SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.

INDEX

CRITERION: 6.5.2

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

2021 - 2022

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राष्ट्रीय प्रत्यायन बोर्ड

चौथा तल, ईस्ट टावर, एन. बी. सी. सी. प्लेस, भीष्म पितामह मार्ग, प्रगति विहार, लोधी रोड, नई दिल्ली -110003

NATIONAL BOARD OF ACCREDITATION

4th Floor, East Tower, NBCC Place, Bhisham Pitamah Marg, Pragati Vihar, Lodhi Road, New Delhi 110003

File No. 33-39/2010-NBA

Date 14-06-2022

To
The Principal
Saranathan College of Engineering,
Venkateswara Nagar, Panjappur,
Edamalaipatti Pudur Post,
Tiruchirapalli-620012,
Tamil Nadu

Subject: Further accreditation status on the basis of Compliance Report of the programs in Tier-II offered by Saranathan College of Engineering, Venkateswara Nagar, Panjappur, Edamalaipatti Pudur Post, Tiruchirapalli-620012, Tamil Nadu.

Sir,

This is regarding Compliance Report submitted by **Saranathan College of Engineering, Venkateswara Nagar, Panjappur, Edamalaipatti Pudur Post, Tiruchirapalli-620012, Tamil Nadu** for the UG Engineering programs which were accredited by NBA in Tier-II for academic years 2018-19 to 2020-21 whose validity of accreditation had expired on 30.06.2021. The programs were granted accreditation for the Academic Year 2021-22 i.e. upto 30/06/2022 on account of present pandemic situation due to Corona Virus.

2. An Expert Team conducted data verification of the programs on 1st May, 2022. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Computer Science & Engineering	Tier-II June 2015 Document	Accredited	Academic Years 2022-2023 to 2024-2025 i.e. upto 30-06-2025	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent Authority, whichever is earlier
2.	Electronics & Communication Engineering		Accredited		
3.	Electrical & Electronics Engineering		Accredited		
4.	Mechanical Engineering		Accredited		
5.	Information Technology		Accredited		
6.	Instrumentation & Control Engineering		Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The programs have been granted accreditation for further 3 years. **Saranathan College of Engineering, Venkateswara Nagar, Panjappur, Edamalaipatti Pudur Post, Tiruchirapalli-620012, Tamil Nadu** should submit fresh online application through eNBA portal at least five months before the expiry of validity of accreditation mentioned above.

Contd./...

5. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to **Saranathan College of Engineering, Venkateswara Nagar, Panjappur, Edamalaipatti Pudur Post, Tiruchirapalli-620012, Tamil Nadu** as a whole. **As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously.** Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

6. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

7. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

8. A copy each of Report of the Visiting Team in respect of the above programs is enclosed.

Yours faithfully,

(Dr. Anil Kumar Nassa)
Member Secretary

Encls: 1.Copy each of Report of the Visiting Team in respect of the programs.

Copy to:

Copy to:

1. The Registrar,
   Anna University, Guindy
   Tamil Nadu-600025

2. The Principal Secretary (Higher Education)
   Government of Tamil Nadu
   N.K.M. Building, 6th Floor, Secretariat
   Chennai-600009
   Tamil Nadu

3. The Commissioner,
   Directorate of Technical Education
   Sardar Patel Road, Guindy
   Chennai-600025, Tamil Nadu

4. Accreditation File

5. Master Accreditation file of the State

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.

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Academic Auditing

Institution has the mechanism for well-planned curriculum delivery and documentation.

2021 - 2022

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Date: 27.07.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2021 – December 2021 (ODD SEMESTER)*

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III, V, VII	18.08.2021	30.11.2021**	02.12.2021	13.12.2021
2.	B.E. / B.Tech (Part-Time)	III, V, VII				
3.	B.Arch. (Full-Time)	III, V, VII, IX				
4.	M.C.A. (Full-Time)	V				
5.	M.Sc (5 Yrs-Integrated)	V, VII, IX				
6.	M.B.A. (5 Yrs-Integrated)	V, VII, IX				

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE - OPENING DAY FOR THE NEXT SEMESTER: 19.01.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following 7 Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	28.08.2021	Friday
2.	11.09.2021	Monday
3.	25.09.2021	Friday
4.	09.10.2021	Thursday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	23.10.2021	Friday
6.	06.11.2021	Tuesday
7.	20.11.2021	Thursday

27.07.2021

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 25.10.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2021 – March 2022 (SEMESTER I)

UG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	08.11.2021	22.11.2021	08.03.2022	10.03.2022	21.03.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 18.04.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 04.03.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

March 2022 – June 2022 (Even Semester – Except Semester II)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	16.03.2022	16.06.2022**	18.06.2022	28.06.2022
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				

RE - OPENING DAY FOR THE NEXT SEMESTER: 10.08.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	19.03.2022	Tuesday
2.	26.03.2022	Wednesday
3.	09.04.2022	Thursday
4.	23.04.2022	Friday
5.	30.04.2022	Tuesday
6.	07.05.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	14.05.2022	Tuesday
8.	21.05.2022	Wednesday
9.	28.05.2022	Thursday
10.	04.06.2022	Friday
11.	11.06.2022	Monday

04/03/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 21.03.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

April 2022 – July 2022 (Semester II)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	04.04.2022	04.07.2022**	06.07.2022	18.07.2022
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.B.A. (Full-Time & Part-Time)	II				
5.	M.B.A. (5 Yrs-Integrated)	II				

RE - OPENING DAY FOR THE NEXT SEMESTER: 22.08.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	09.04.2022	Thursday
2.	23.04.2022	Friday
3.	30.04.2022	Tuesday
4.	07.05.2022	Monday
5.	14.05.2022	Tuesday
6.	21.05.2022	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	28.05.2022	Thursday
8.	04.06.2022	Friday
9.	11.06.2022	Monday
10.	18.06.2022	Tuesday
11.	25.06.2022	Wednesday
12.	02.07.2022	Thursday

21/3/22

DIRECTOR i/c
ACADEMIC COURSES

Date: 21.07.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (ODD SEMESTER – Except Semester III)

UG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	V, VII	10.08.2022	19.11.2022**	21.11.2022	01.12.2022
2.	B.E. / B.Tech (Part-Time)	V, VII				
3.	B.Arch. (Full-Time)	V, VII, IX				

RE - OPENING DAY FOR THE NEXT SEMESTER: 26.12.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.08.2022	Monday
2.	03.09.2022	Friday
3.	17.09.2022	Wednesday
4.	15.10.2022	Tuesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	29.10.2022	Wednesday
6.	05.11.2022	Monday
7.	12.11.2022	Tuesday
8.	19.11.2022	Wednesday

21.07.2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 22.08.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III	22.08.2022	08.12.2022	10.12.2022	21.12.2022
2.	B.Arch. (Full-Time)	III				
3.	B.E. / B.Tech (Part-Time)	III				
4.	M.B.A. (5 Yrs-Integrated)	III				
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	21.12.2022	02.01.2023

RE - OPENING DAY FOR THE NEXT SEMESTER: 30.01.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

22/08/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED			
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday			04	MON		I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE		II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE		I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED		II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE		II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE		II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON		III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED		V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI		II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

Principal

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - First Year UG

NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days	JAN'22	DAY	DETAILS	Day order	working days	FEB'22	DAY	DETAILS	Day order	working days	MAR'22	DAY	DETAILS	Day order	working days
01	MON				01	WED		II	7	01	SAT	New year day			01	TUE		V	50	01	TUE	Model Exam		71
02	TUE				02	THU		III	8	02	SUN	Holiday			02	WED		I	51	02	WED			
03	WED	Holiday			03	FRI		IV	9	03	MON		V	30	03	THU	Founder's day	II	52	03	THU	Model Exam		72
04	THU	Deepavali - Holiday			04	SAT	Holiday			04	TUE		I	31	04	FRI		III	53	04	FRI			
05	FRI	Holiday			05	SUN	Holiday			05	WED		II	32	05	SAT	Holiday			05	SAT	Model Exam		73
06	SAT	Holiday			06	MON		V	10	06	THU	Saranathan Jayanthi	III	33	06	SUN	Holiday			06	SUN			
07	SUN	Holiday			07	TUE	Flag Day	I	11	07	FRI		IV	34	07	MON		IV	54	07	MON	Model Exam		74
08	MON				08	WED		II	12	08	SAT		V	35	08	TUE		V	55	08	TUE			
09	TUE				09	THU		III	13	09	SUN	Holiday			09	WED		I	56	09	WED	Model Exam		75
10	WED				10	FRI		IV	14	10	MON		I	36	10	THU		II	57	10	THU	Univ. Practical Exam commences		
11	THU	National Education Day			11	SAT	Holiday			11	TUE	National Road Safety day	II	37	11	FRI		III	58	11	FRI			
12	FRI				12	SUN	Holiday			12	WED	National Youth day	III	38	12	SAT	Holiday			12	SAT	Holiday		
13	SAT	Holiday			13	MON		V	15	13	THU	Holiday			13	SUN	Holiday			13	SUN	Holiday		
14	SUN	Children's Day - Holiday			14	TUE	International Energy Day	I	16	14	FRI	Pongal			14	MON		IV	59	14	MON			
15	MON	First year Induction programme			15	WED		II	17	15	SAT	Thiruvalluvar day			15	TUE		V	60	15	TUE			
16	TUE				16	THU		III	18	16	SUN	Holiday			16	WED		I	61	16	WED			
17	WED				17	FRI	Margazhi Mahothsavam	IV	19	17	MON	Holiday			17	THU	Feedback(A,B,C,D,E)	II	62	17	THU			
18	THU				18	SAT	Holiday			18	TUE	Thaipusam			18	FRI	Feedback(F,G,H,I,J)	III	63	18	FRI			
19	FRI				19	SUN	Holiday			19	WED		IV	39	19	SAT	Holiday			19	SAT	Holiday		
20	SAT				20	MON	IA Test 1	V	20	20	THU		V	40	20	SUN	Holiday			20	SUN			
21	SUN				21	TUE	IA Test 1	I	21	21	FRI	IA Test 2	I	41	21	MON	IA Test 3	IV	64	21	MON	Univ. Theory Exam commences		
22	MON	I year classes Commences	I	1	22	WED	IA Test 1 National Mathematics Day	II	22	22	SAT	IA Test 2	II	42	22	TUE	IA Test 3	V	65	22	TUE	World water day		
23	TUE		II	2	23	THU	IA Test 1	III	23	23	SUN	Holiday	III	43	23	WED	IA Test 3	I	66	23	WED			
24	WED		III	3	24	FRI	IA Test 1	IV	24	24	MON	IA Test 2 National Girl Child Day	IV	44	24	THU	IA Test 3	II	67	24	THU			
25	THU		IV	4	25	SAT	Christmas			25	TUE	IA Test 2 National Voter's day	V	45	25	FRI	IA Test 3	III	68	25	FRI			
26	FRI				26	SUN	Holiday			26	WED	Republic day			26	SAT		IV	69	26	SAT	Holiday		
27	SAT				27	MON		V	25	27	THU	IA Test 2	I	46	27	SUN	Holiday			27	SUN	Holiday		
28	SUN	Holiday			28	TUE		I	26	28	FRI		II	47	28	MON	Syllabus completion National Science day	V	70	28	MON			
29	MON		V	5	29	WED		II	27	29	SAT		III	48						29	TUE			
30	TUE		I	6	30	THU	Feedback(A,B,C,D,E)	III	28	30	SUN	Martyrs day - Holiday								30	WED			
					31	FRI	Feedback(F,G,H,I,J)	IV	29	31	MON	National Unity Day	IV	49						31	THU			
				6					23					20					21					5

Total No.of working days for the semester : 75

Principal

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR'22	DAY	DETAILS	Day order	working days	APR'22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON		IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Holiday			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Holiday			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				28	32				22	54				14	68
																	Total No.of working days for the semester :	68	

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Department of Civil Engineering- Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED			
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday			04	MON		I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE	Guest Lecture - II year	II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE		I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED	Guest Lecture - III year	II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE		II	37	12	FRI	Thitd review - IV YEAR	IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE	Guest Lecture - IV year	II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI	First review - IV YEAR	V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON		III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE	zeroth review - IV YEAR	IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED		V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI	Second review - IV YEAR	II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012.
Department of Civil Engineering
WORKLOAD -ALLOCATION FOR THE ACADEMIC YEAR 2021-2022(ODD)

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY / LAB	HOURS	TOTAL HOURS
1	Dr. A. Belin Jude HoD & Asst. Prof.	Estimation, Costing and Valuation Engineering	CE8701	IV / VII	THEORY	6	11
		Disaster Management	GE8071	III / V	THEORY	5	
2	Ms. K.Sathya Prabha Asst. Prof.	Water Supply Engineering	EN8491	III / V	THEORY	5	17
		Municipal Solid Waste Management	EN8591	IV / VII	THEORY	5	
		Environment & Agriculture	OAI551	III / V	THEORY	4	
		Water and Waste Water Analysis Laboratory	CE8512	III / V	LAB	3	
3	Mr. C. Kesava Raja Asst. Prof.	Strength of Materials I	CE8302	II / III	THEORY	6	19
		Engineering Geology	CE8392	II / III	THEORY	4	
		Water and Waste Water Analysis Laboratory(Assist)	CE8512	III / V	LAB	3	
		Railways,Airports and Harbour Engineering	CE8702	IV / VII	THEORY	6	
4	Mr. A. Anandraj Asst. Prof.	Fluid Mechanics	CE8302	II / III	THEORY	5	14
		Industrial Safety	OME754	IV / VII	THEORY	5	
		Construction Materials Laboratory	CE8311	II / III	LAB	3	
		Training and Placement	-	IV / VII	Theory & Lab	1	
5	Mr. S. Kannan Asst. Prof.	Surveying	CE8351	II / III	THEORY	5	13
		Foundation Engineering	CE8591	III / V	THEORY	5	
		Surveying Laboratory	CE8361	II / III	LAB	3	
		Survey Camp	CE8513	III / V	LAB	-	
		Training and Placement	-	IV / VII	Theory & Lab	1	
6	Mr. G. Venkatesan Asst. Prof.	Design of Reinforced Cement Concrete Elements	CE8501	III / V	THEORY	5	19
		Design of Reinforced Cement Concrete Elements	CE8501	III / V	TUTORIAL	1	
		Construction Materials	CE8391	II / III	THEORY	4	
		Creative and Innovative Project	CE8711	IV / VII	LAB	6	
		Soil Mechanics Laboratory	CE8511	III / V	LAB	3	
		Structural Analysis I	CE8502	III / V	THEORY	5	

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY / LAB	HOURS	TOTAL HOURS
7	Ms. P. Vaishali Asst. Prof.	Structural Design and Drawing	CE8703	IV / VII	THEORY	6	14
		Industrial Training	CE8712	IV / VII	LAB	-	
		Creative and Innovative Project	CE8711	IV / VII	LAB	6	
		Structural Design and Drawing	CE8703	IV / VII	PRACTICAL	2	

HoD/Civil

Principal

SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012
Department of Civil Engineering
WORKLOAD - ALLOCATION FOR THE ACADEMIC YEAR 2021-2022(EVEN)

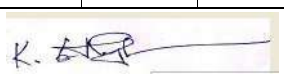
S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY / LAB	HOURS	TOTAL HOURS
1	Dr. A. Belin Jude HoD & Asst. Prof.	Design of Steel Structural Elements	CE8601	III / VI	THEORY	4	4
		Project Work	CE8811	IV / VIII	LAB	-	
2	Ms. K. Sathya Prabha Asst. Prof.	Concrete Technology	CE8404	II / IV	THEORY	3	9
		Structural Analysis II	CE8602	III / VI	THEORY	4	
		Basic Civil and Mechanical Engineering	BE3255	I / II	THEORY	2	
3	Mr. C. Kesava Raja Asst. Prof.	Strength of Materials II	CE8402	II / IV	THEORY	3	12
		Air Pollution and Control Engineering	CE8005	III / VI	THEORY	3	
		Strength of Materials Laboratory	CE8481	II / IV	LAB	6	
4	Mr. A. Anandraj Asst. Prof.	Applied Hydraulic Engineering	CE8403	II / IV	THEORY	3	14
		Highway Engineering	CE8604	III / VI	THEORY	3	
		Hydraulic Engineering Laboratory	CE8461	II / IV	LAB	6	
		Maintenance, Repair and Rehabilitation of Structures	CE8020	IV / VIII	THEORY	2	
5	Mr. S. Kannan Asst. Prof.	Construction Techniques and Practices	CE8401	II / IV	THEORY	3	14
		Wastewater Engineering	EN8592	III / VI	THEORY	4	
		Highway Engineering Laboratory	CE8611	III / VI	LAB	6	
		Training and Placement	T&P	III / VI	THEORY	1	
6	Mr. G. Venkatesan Asst. Prof.	Soil Mechanics	CE8491	II / IV	THEORY	4	13
		Irrigation Engineering	CE8603	III / VI	THEORY	3	
		Irrigation and Environmental Engineering Drawing	CE8612	III / VI	LAB	6	

HoD / Civil Engineering

PRINCIPAL

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF CIVIL ENGINEERING

REVIEW OF COURSE FILE

S.No.	Details Date:	R-I-*	R-II-#	R-III-$	R-IV-&	R-V-@
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy *	√				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities*	√				
3.	Syllabus signed by staff & HoD*	√				
4.	Lecture Schedule signed by staff & HoD*	√				
5.	Course Committee meeting circular and minutes*					
6.	Identification of Curricular gap and Content Beyond the syllabus*	√				
7.	Previous AU Question papers (at least 5)*	√				
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers*	√				
9.	Unit wise course material *	√				
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry #$&					
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry #$&					
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry#$&		√	√	√	
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis. #$&		√	√	√	
14.	Makeup Test –Q paper-Attendance-marks - sample answer papers#$&					
15.	Remedial Test–Q paper-Attendance-marks - sample answer papers#$&					
16.	AU Web portal entry sheet#$&		√	√	√	
17.	Very poor performance in first two tests-action taken - communication to parents-evidence.#$					
18.	Absence for two tests-action taken-communication to parents-evidence. #$					
19.	Indiscipline of student reported, if any #$&					
20.	Special class/coaching class/remedial class/attendance-CAP #$&					
21.	Conduct of Seminar, Quizzes - proof#$&					
22.	Content beyond the syllabus – proof #$&		√			
23.	Course end survey &				√	
24.	Internal Assessment sheet &				√	
25.	AU question paper with students feedback @					
26.	Discrepancy of the question paper and correspondence, if any @					
27.	AU result analysis-Details of arrear students. @					
28.	AU grade sheet @					
29.	CO – PO & PSO attainment sheet @					
	Signature of Course handling faculty					
	Signature of HoD					

Vision of the Department

VISION

The program has been started with the noble vision of producing innovative engineers with social consciousness, who can richly contribute towards creating a more ecologically friendly environment.

Mission of the Department

MISSION

- To provide essential knowledge & skill to the students and enhance their employability potential and entrepreneurial capabilities.
- Produce graduates of high professional and ethical standards.
- Carry out high quality construction projects which are beneficial to the society.

Program Educational Objectives (PEOs)

- To prepare students for successful careers in Civil Engineering field that meets the needs of Indian and multinational companies.
- To develop the confidence and ability among students to synthesize data and technical concepts and thereby apply it in real world problems.
- To provide students with a sound foundation in mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate studies.
- To promote students to work collaboratively on multi-disciplinary projects and make them engage in life-long learning process throughout their professional life.

Program Specific Outcomes (PSOs)

- To accomplish an elevated level of technical expertise to shine in higher education / profession by attaining knowledge in basic sciences, design and drawing and engineering principles.
- To explore and relate the modern engineering tools for planning, design, execution and maintenance of works that is technically feasible, economically and socially acceptable.
- To enhance good communication skills, team work in their responsibilities with excellence and to be prepared to take up challenges in the present scenario.

Course Outcomes (COs)

C214.1	THE VARIOUS REQUIREMENTS OF CEMENT, AGGREGATES AND WATER FOR MAKING CONCRETE
C214.2	THE EFFECT OF ADMIXTURES ON PROPERTIES OF CONCRETE
C214.3	THE CONCEPT AND PROCEDURE OF MIX DESIGN AS PER IS METHOD
C214.4	THE PROPERTIES OF CONCRETE IN FRESH STATE
C214.5	THE PROPERTIES OF CONCRETE IN HARDENED STATE
C214.6	THE IMPORTANCE AND APPLICATION OF SPECIAL CONCRETE

NBA Code : 214.

COs	Programme Outcomes												PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	I	II	III	IV
C214.1	3	2	2	-	2	-	-	-	1	-	1	1	3	2	-	
C214.2	2	2	2	-	2	-	-	-	1	-	1	1	1	2	-	
C214.3	2	3	3	-	2	-	-	-	1	-	1	1	3	2	-	
C214.4	2	2	2	-	2	-	-	-	1	-	1	1	1	2	-	
C214.5	3	2	2	-	2	-	-	-	1	-	1	1	2	2	-	
C214.6	3	2	2	-	2	-	-	-	1	-	1	1	2	2	-	

SYLLABUS

	SARANATHAN COLLEGE OF ENGINEERING DEPARTMENT OF CIVIL ENGINEERING	
	SYLLABUS	LP – CE8404 Regulation 2017 Date: 14-03-2022
	Sub Code & Name : CE 8404 Concrete Technology Branch: Civil Engineering Semester: IV	

CE8404 CONCRETE TECHNOLOGY

L T P C
3 0 0 3

OBJECTIVE:

To impart knowledge to the students on the properties of materials for concrete by suitable tests, mix design for concrete and special concretes.

UNIT I CONSTITUENT MATERIALS **9**

Cement - Different types - Chemical composition and Properties – Hydration of cement - Tests on cement - IS Specifications - Aggregates – Classification - Mechanical properties and tests as per BIS - Grading requirements – Water - Quality of water for use in concrete.

UNIT II CHEMICAL AND MINERAL ADMIXTURES **9**

Accelerators – Retarders - Plasticizers - Super plasticizers - Water proofers - Mineral Admixtures like Fly Ash, Silica Fume, Ground Granulated Blast Furnace Slag and Metakaoline - Effects on concrete properties.

UNIT III PROPORTIONING OF CONCRETE MIX **9**

Principles of Mix Proportioning - Properties of concrete related to Mix Design - Physical properties of materials required for Mix Design - Design Mix and Nominal Mix - BIS Method of Mix Design - Mix Design Examples

UNIT IV FRESH AND HARDENED PROPERTIES OF CONCRETE **9**

Workability - Tests for workability of concrete - Segregation and Bleeding - Determination of strength Properties of Hardened concrete - Compressive strength – split tensile strength - Flexural strength - Stress-strain curve for concrete - Modulus of elasticity – durability of concrete – water absorption – permeability – corrosion test – acid resistance.

UNIT V SPECIAL CONCRETES **9**

Light weight concretes - foam concrete- self compacting concrete – vacuum concrete - High strength concrete - Fibre reinforced concrete – Ferrocement - Ready mix concrete – SIFCON - Shotcrete – Polymer concrete - High performance concrete - Geopolymer Concrete

TOTAL: 45 PERIODS

OUTCOMES:

Students will be able to understand

1. The various requirements of cement, aggregates and water for making concrete
2. The effect of admixtures on properties of concrete
3. The concept and procedure of mix design as per IS method
4. The properties of concrete at fresh and hardened state
5. The importance and application of special concretes.

TEXTBOOKS:

1. Gupta.B.L., Amit Gupta, "Concrete Technology", Jain Book Agency, 2010.
2. Shetty,M.S, "Concrete Technology", S.Chand and Company Ltd, New Delhi, 2003
3. Bhavikatti.S.S, " Concrete Technology", I.K.International Publishing House Pvt. Ltd., New Delhi, 2015
4. Santhakumar. A.R., "Concrete Technology", Oxford University Press India, 2006.

REFERENCES:

1. Neville, A.M; "Properties of Concrete", Pitman Publishing Limited, London, 1995
2. Gambhir, M.L; "Concrete Technology", 3rd Edition, Tata McGraw Hill Publishing Co Ltd, New Delhi, 2007
3. IS10262-2009 Recommended Guidelines for Concrete Mix Design, Bureau of Indian Standards, New Delhi, 1998.
4. Job Thomas, "Concrete Technology", Cengage Learning India Pvt. Ltd., Delhi, 2015
5. Kumar P Mehta., Paulo J M Monterio., "Concrete - Microstructure, Properties and Materials", McGraw Hill Education (India) Private Limited, New Delhi, 201

Staff In-charge

HOD/Civil

LESSON PLAN

UNIT I CONSTITUENT MATERIALS

Session No.	Topics to be covered	Time (Min)	Ref.	Teaching Method
1	Cement - Types	50	T2,T4	BB
2	Chemical composition and properties of cement	50	T2,T4	BB
3	Test on cement	50	T2,T4	BB
4	Test on cement	50	T2,T4	BB
5	Aggregate - Classification	50	T2,T4	BB
6	Mechanical properties of aggregate	50	T2,T4	BB
7	Tests on aggregates	50	T2,T4	BB
8	Tests on aggregates	50	T2,T4	BB
9	Water- Quality of water for use in concrete	50	T2,T4	BB
	Unit Total	**9 Periods**		

UNIT II CHEMICAL AND MINERAL ADMIXTURES

Session No.	Topics to be covered	Time (Min)	Ref.	Teaching Method
10	Accelerators-Retarders- Plasticizers	50	T2,T4	BB
11	Accelerators-Retarders- Plasticizers	50	T2,T4	BB
12	Super plasticizers- Water proofers	50	T2,T4	BB
13	Mineral Admixtures like Fly Ash, Silica Fume, Ground Granulated Blast Furnace Slag and Metakaolin	50	T2,T4	BB
14	Mineral Admixtures like Fly Ash, Silica Fume, Ground Granulated Blast Furnace Slag and Metakaolin	50	T2,T4	BB
15	Mineral Admixtures like Fly Ash, Silica Fume, Ground Granulated Blast Furnace Slag and Metakaolin	50	T2,T4	BB
16	Effects of mineral admixtures on concrete properties	50	T2,T4	BB
17	Effects of mineral admixtures on concrete properties	50	T2,T4	BB
18	Effects of mineral admixtures on concrete properties	50	T2,T4	BB
	Unit Total	**9 Periods**		

UNIT III PROPORTIONING OF CONCRETE MIX

Session No.		Time (Min)	Ref.	Teaching Method
19	Principles of Mix Proportioning	50	T2, R3	BB
20	Principles of Mix Proportioning	50	T2, R3	BB
21	Properties of concrete related to Mix Design	50	T2, R3	BB
22	Properties of concrete related to Mix Design	50	T2, 33	BB
23	Physical properties of Materials required for Mix Design	50	T2, R4	BB
24	Design Mix and Nominal Mix	50	T2, R3	BB
25	BIS Method of Mix Design - Mix Design Examples	50	T2, R3	BB
26	BIS Method of Mix Design - Mix Design Examples	50	T2, R3	BB
27	BIS Method of Mix Design - Mix Design Examples	50	T2, R3	BB
		9 Periods		

LESSON PLAN

UNIT IV **FRESH AND HARDENED PROPERTIES OF CONCRETE**

Session No.	Topics to be covered	Time (Min)	Ref.	Teaching Method
28	Workability-Tests for workability of concrete-Slump Test and Compacting factor Test	50	T2,T4	BB
29	Workability-Tests for workability of concrete-Slump Test and Compacting factor Test	50	T2,T4	BB
30	Segregation and Bleeding of concrete	50	T2,T4	BB
31	Determination of Compressive and Flexural strength as per BIS	50	T2,T4	BB
32	Determination of Compressive and Flexural strength as per BIS	50	T2,T4	BB
33	Properties of Hardened concrete	50	T2,T4	BB
34	Stress-strain curve for Concrete	50	T2,T4	BB
35	Stress-strain curve for Concrete	50	T2,T4	BB
36	Determination of Young's modulus of concrete	50	T2,T4	BB
	Unit Total	**9 Periods**		

UNIT V **SPECIAL CONCRETES**

Session No.	Topics to be covered	Time (Min)	Ref.	Teaching Method
37	Light weight concrete	50	T2,T4	BB
38	Foam Concrete	50	T2,T4	BB
39	Vacuum Concrete	50	T2,T4	BB
40	Fiber reinforced concrete, shortcrete	50	T2,T4	BB
41	High strength concrete	50	T2,T4	BB
42	Ferro cement	50	T2,T4	BB
43	Ready mix concrete	50	T2,T4	BB
44	SIFCON-Concrete – Polymer concrete	50	T2,T4	BB
45	High performance concrete- Geo polymer Concrete	50	T2,T4	BB
	Unit Total	**9 Periods**		

Note: T1 refers to Text book 1, T3 refers to Text book 3, R1 refers to Reference Book 1 suggested in Page 1 of Lesson Plan. BB refers to teaching with Black Board.

COURSE DELIVERY PLAN:

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Units		I		II			III			IV			V	Revision

	Prepared by	Approved by
Signature		
Name	K.Sathya Prabha	Dr.A.Belin Jude
Designation	Asst. Professor	Asst. Professor and Head
Date	14/03/2022	14/03/2022

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CIVIL ENGINEERING

Assignment – 01			**Date of Issue:**	02.11..2021	**Marks**	10
Course code	EN8491	**Course Title**	Water Supply Engineering			
Year	III	**Semester**	V	**Date of Submission:**	15.11.2021	

Q.No	**Questions**	**CO**	**PO**	**PSO**
1	For water of a town, water is pumped from river 3 km away from a reservoir. The maximum difference 0 levels of water in river and the reservoir is 20 m. The population of the town is 50,000 and per capita water demand is 120 litres / day. If the pumps are to operate for a total of 8 hr and the efficiency of pumps is 80%. Determine the horse power of the pumps. Assume friction factor as 0.03, the velocity of flow as 2 m/s, and maximum daily demand as 1.5 times the average daily demand.	C303.4	1,2,3	1,2

Staff In-charge

HOD/Civil

For water supply of a town, water is pumped from a river 3 km away from a reservoir. The maximum difference of levels of water in river and the reservoir is 20 m. The population of the town is 50,000 and per capita water demand is 120 litres per day. If the pumps are to operate for a total of 8 hours and the efficiency of pumps is 80%. Estimate the power requirement. Assume friction factor as 0.03. the water main being designed as economical diameter main and the maximum daily demand as 1.5 times the average daily demand. [Nov./Dec.2010]

Given:

Per capita water demand = 120 lpcd

Population = 50,000 persons

Peak factor = 1.5

Friction factor, f = 0.03

Length, L = 3 km = 3000 m

Head difference = 20 m

To find:

Power requirement (Brake horse power) - H.P = ?

Economical dia of pipe, d = ?

Solution:

1. To calculate maximum daily water demand

Average daily water demand = Population × Per capita demand

$$= 50000.c \times 120 \frac{\ell}{c} d$$

$$= 6000000 \frac{\ell}{d}$$

$$= 6 \text{ MLd.}$$

Given that maximum demand to be 1.5 times the average annual demand.

Maximum water demand = 1.5×6 MLd

$$= 9 \text{ MLd.}$$

$$= 9 \times 10^6 \frac{\ell}{d} \times \frac{1 m^3}{1000 \ell} \times \frac{1 d}{24 \times 60 \times 60 \text{ sec}}$$

$$\boxed{Q_{max} = 0.1042 \ m^3/sec}$$

2. To calculate maximum water demand for which the supply main is to be designed

⇒ Pumps are working for 8 hours a day to supply full day demand.

$$\therefore \frac{24}{8} \times 0.1042 \ m^3/sec$$

$$\boxed{Q = 0.3126 \ m^3/sec}$$

3. To calculate economic diameter of main.

Assume flow velocity through the pressure pipe to be 1.5 m/sec

∴ Area of the pipe required,

$$A = \frac{Q}{V}$$

$$= \frac{0.3126}{1.5} \frac{m^3}{sec} \times \frac{sec}{m}$$

$$A = 0.2084 \, m^2$$

$$\Rightarrow \quad \frac{\pi}{4} d^2 = A$$

$$d^2 = 0.2084 \times \frac{4}{\pi}$$

$$d = \sqrt{0.2655}$$

$$d = 0.515 \, m \simeq 0.52 \, m$$

4. To calculate Head loss, H_L

Using Darcy's formula.

$$H_L = \frac{f' L}{d} \frac{V^2}{2g}$$

$$= \frac{0.03 \times 3000 \times (1.5)^2}{0.52 \times 2 \times 9.81}$$

$$H_L = 19.85 \, m$$

Given that actual lift level, $L = 20 \, m$

∴ Total lift required, H = Actual lift level + Calculated Head loss

$$= 20 + 19.85$$

$$\boxed{H = 39.85 \, m}$$

5. To calculate Brake horse power of pumps (H-P)

Horse power of pump $= \frac{\gamma_w \cdot Q \cdot H}{0.735 \cdot \eta}$

Here, γ_w = unit weight of water, $9.81\ kN/m^3$

Q = discharge = $0.3126\ m^3/sec$

H = Total head lift = $39.85\ m$

η = Efficiency = $80\ \%$

$\Rightarrow$ $= \frac{9.81 \times 0.3126 \times 39.85}{0.735 \times 0.80}$

$= 207.83$

$\simeq 208\ HP$

Horse power of pump = 208 H-P

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CIVIL ENGINEERING

Assignment – 02			**Date of Issue:**	04.11.2021	**Marks**	10
Course code	EN8491	**Course Title**	Water Supply Engineeering			
Year	III	**Semester**	VII	**Date of Submission:**	08.11.2021	

Q.No	**Questions**
1	Design the slow sand filter beds from the following data. Population to be served = 50000 persons. Per capita demand = 150 lit/h/day, Rate of filtration =180 lt/hr/sq.m. Length of each bed = twice the breadth. Assume max demand as 1.8 times the average daily demand. Also assume that one unit, out of 6 will be kept as standby.
2	Design the approximate dimensions of a set of rapid sand gravity filters for treating water required for a population of 50000. The rate of supply being 180lt/day/person. The filters are rated to work 5000lt/hr/sq.m. Assume missing datas.

Staff In-charge

HOD/Civil

Design six slow sand filter beds for the following data.

Population to be served = 50000 Persons

Per Capita demand = 150 lit/h/day.

Rate of filteration = 180 lit/hr/sq.m

Length of each bed = twice the breadth

Assume max. demand as 1.8 times the average daily demand. Also assume that one unit out of six, will be kept as stand by.

Soln:

Average daily demand = Population × Per capita demand

$= 50000 \times 150 \text{ lit/day}$

$= 7.5 \times 10^6 \text{ lt/day}$

Max. daily demand

$= 1.8 \times 7.5 \times 10^6$

$= 13.5 \times 10^6 \text{ lt/day}$.

Rate of filteration Per/day $= 180 \times 24 \text{ lt/sq.m/day}$.

Total surface area of filters required.

$$= \frac{\text{Max. daily demand}}{\text{Rate of filteration per day}}$$

$$= \frac{13.5 \times 10^6}{180 \times 24}$$

$$= 3.125 \times 10^3 \text{ sq/m}$$

Six units are to be used, out of them, one is to be kept as stand by and hence only 5 units should provide the necessary area of filter required.

The area of each filter

$$= 1/5 \times \text{total area required}$$

$$= 1/5 \times 3125$$

$$= 625 \text{ sq.m.}$$

Now, if L is the length and B is the breadth of each unit.

then $L = 2B$

$$2B \times B = 625 \text{ sq.m}$$

$$B^2 = 312.5 \text{ sq.m}$$

$$B = 17.7 \text{ m} \quad \text{say } 18\text{m}.$$

$$L = 36\text{m}.$$

Design the approximate dimensions of a set of rapid gravity filters for treating water required for a population of 50000. The rate of supply being 180 lt/day/person. The filters are rated to work 5000 lt/hr/sq.m. Assume whether data are necessary and not given

Soln:

The drainage water demand } = Population x Per capita demand.

$= 50000 \times 180$

$= 9 \times 10^6$ lit.

$= \cancel{9 \times 10^6} \times \cancel{9 \times 10^6}$ lt.

Max daily demand $= 1.8 \times 9 \times 10^6 \times$ lt

$= 16.2 \times 10^6$ lt/day

water demand per hour

$= \frac{16.2 \times 10^6 \text{ lt/hr}}{24}$

$= 6.75 \times 10^3$ lt/hrs.

Rate of filteration $= 5000$ lt/hr/sq.m.

Area of filter beds required $= \frac{\text{water demand}}{\text{Rate of filteration}}$

$$= \frac{6.75 \times 10^3}{5000} \text{ sq.m}$$

$$= 135 \text{ sq.m.}$$

Since two units are required to be designed.

The area of each unit $= \frac{135}{2}$

$= 67.5$ sq.m.

Assuming $L = 1.5 \times B$

$$1.5B \times B = 67.5$$

$$B^2 = \frac{67.5}{1.5}$$

$$B = 6.75$$

$L = 10$ m.

One ~~second~~ addition unit as stand by may also be Provided for breakdown, repairs & cleaning Operations.

Subject Code: CE8601

Subject Name: Design of Steel Structural Elements

Tutorial Hour Details : 5th Day Order 2nd Hour

Sl.No.	Date	Content Teaching
1	05.04.2022	Design of Tension Members (Working Stress Method) - Problems
		1. Calculate the design tensile strength of a platein rupture, if it is connected to a gusset plate by welding. The plate size is 300mm x 10mm. Take fu = 410 N/ mm^2, fy = 250 N/ mm^2. 2. Design a hot rolled section beam of span 4.9m, 6m and 4.9m carrying a UDL of 32.5 kN/m and the beam is laterally supported.
2	12.04.2022	Determine the load carrying capacity of Beams - Working Stress Method
		Determine the loadf carrying capacity of a 3.5m high stanchion consisting of an ISHB 300@58.5kg/m section of grade Fe410. the section effectively held in position and restrained against rotation at both ends.
3	22.04.2022	Design of Bolted Joints - Problem
		Design a Lap Joint between 2 Plates each of width 120mm, if the thickness of one plate is 16mm and the other 12mm. The joint to transfer a design load of 160kN. The Plates are Fe410 grade. Use bearing Bolts for connections.
4	09.05.2022	Design of Welded Tension members - Problem (Limit state Method)
		A tie Member constist of 2Nos of ISMC 250 channels. The channels are connected on either side of 12mm thick gusset plate. Design the welded joint to develop the full strength of the tie. The overlap is limited to 400mm.
5	14.05.2022	Design of Built up section - Problem
		Design a single angle section for a tension member of a truss member to carry a factored load of 225 kN. The member is subjected to the possible reversal of stress due to the action of wind. The length of the member is 3m. Use 20mm shop bolt of grade 4.6 for the connection.
6	20.05.2022	Design of Compression Members - Problem
		Design a column to support a factored load of 1050kN. The column has a effective length of 7m with respect to Z axis and 5m with respect to the Y axis. Use steel grade Fe410.
7	27.05.2022	Design of Built up Column Section - Problem
		A Column 4m long has to support a factored load 6000kN. The column is effectively held at both ends and restrained against in direction at one of the ends. Design the column using Beam section and plates.
8	02.06.2022	Laterally Supported beams - Problem
		A simply supported beam of 5m span carries a UDL of 40kN/m. Inaddition with the beam carries a central point load of 50kN. The beam is laterally supported. Design the section and check the section for shear and deflection.

Faculty Incharge

HoD / Civil

List of Experiments

CE8611 HIGHWAY ENGINEERING LABORATORY **L T P C 0 0 4 2**

OBJECTIVE :

- To learn the principles and procedures of testing of highway materials

EXCERCISES :

I TEST ON AGGREGATES

a) Specific Gravity
b) Los Angeles Abrasion Test
c) Water Absorption of Aggregates

II TEST ON BITUMEN

a) Specific Gravity of Bitumen
b) Penetration Test
c) Viscosity Test
d) Softening Point Test
e) Ductility Test

III TESTS ON BITUMINOUS MIXES

a) Stripping Test
b) Determination of Binder Content
c) Marshall Stability and Flow Values

IV DEMONSTRATION OF ANY ONE FIELD TESTING EQUIPMENT LIKE SKID RESISTANCE TESTER/ BENKELMAN BEAM ETC

OUTCOME: **TOTAL: 60 PERIODS**

- Student knows the techniques to characterize various pavement materials through relevant tests.

REFERENCES:

1. Highway Materials and Pavement Testing, Nem Chand and Bros., Roorkee, Revised Fifth Edition, 2009
2. Methods for testing tar and bituminous materials, IS 1201–1978 to IS 1220– 1978, Bureau of Indian Standards
3. Methods of test for aggregates, IS 2386 – 1978, Bureau of Indian Standards
4. Mix Design Methods Asphalt Institute Manual Series No. 2, Sixth Edition,1997, Lexington, KY, USA.

Vision of the Department

The program has been started with the noble vision of producing innovative engineers with social consciousness, who can richly contribute towards creating a more ecological' friendly environment.

Mission of the Department

- To provide essential knowledge & skill to the students and enhance their employability potential and entrepreneurial capabilities.
- Produce graduates of high professional and ethical standards.
- Carry out high quality construction projects which are beneficial to the society.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) :

- To prepare students for successful careers in Civil Engineering field that meets the needs of Indian and multinational companies.
- To develop the confidence and ability among students to synthesize data and technical concepts and thereby apply it in real world problems.
- To provide students with a sound foundation in mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems and to prepare them for graduate studies.
- To promote students to work collaboratively on multi-disciplinary projects and make them engage in life-long learning process throughout their professional life.

PROGRAMME SPECIFIC OUTCOME (PSO)

- To accomplish an elevated level of technical expertise to shine in higher education / profession by attaining knowledge in basic sciences, design and drawing and engineering principles.
- To explore and relate the modern engineering tools for planning, design, execution and maintenance of works that is technically feasible, economically and socially acceptable.
- To enhance good communication skills, team work in their responsibilities with excellence and to be prepared to take up challenges in the present scenario.

Course Outcomes (COs)

At the end of this course, Student will be able to	
CO-Code	Course outcome Description
C316.1	Students will be able to knows the techniques to characterize various pavement materials through aggregate test
C316.2	Students will be able to knows the techniques to characterize various pavement materials through bitumen test
C316.3	Students will be able to knows the techniques to characterize various pavement materials through bituminous mixes test
C316.4	Students will be able to knows the techniques to characterize various pavement materials through skid resistance test
C316.5	Students will be able to knows the techniques to characterize various pavement materials through benkelman beam test
C316.6	Students will be able to knows the techniques to characterize various pavement materials through relavant test

COs	Programme Outcomes												PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	I	II	III	IV
C316.1	1	3	2	-	2	1	1	2	1	1	1	2	3	2	2	
C316.2	1	3	2	-	2	1	1	2	1	1	1	2	3	1	2	
C316.3	1	3	2	-	2	1	1	2	1	1	1	2	3	2	1	
C316.4	1	3	2	-	2	1	1	1	1	1	1	2	1	1	1	
C316.5	1	3	2	-	2	1	1	2	1	1	1	2	1	2	2	
C316.6	1	3	2	-	2	1	1	2	1	1	1	2	1	1	1	

COURSE LOG

Branch: CIVIL ENGINGERING

Subject: CE8611- HIGHWAY ENGINEERING LABORATORY

Date	Day Order	Period	Particulars of Portions Covered	Remarks
29.03.2022	5	4,5,6	SPECIFIC GRAVITY TEST ON AGGREGATE	BATCH-I & II
30.03.2022	1	4,5,6	LOS ANGELES ABRASION TEST	BACTCH-I & II
04.04.2022	4	4,5,6	WATER ABSORPTION OF AGGREGATES	BATCH-I & II
11.04.2022	4	4,5,6	SPECIFIC GRAVITY OF BITUMEN	BATCH-I
12.04.2022	5	4,5,6	SPECIFIC GRAVITY OF BITUMEN	BATCH-II
21.04.2022	4	4,5,6	PENETRATION VALUE OF BITUMEN	BATCH-I
22.04.2022	5	4,5,6	PENETRATION VALUE OF BITUMEN	BATCH-II
27.04.2022	4	4,5,6	VISCOSITY TEST FOR BITUMEN	BATCH-I
28.04.2022	5	4,5,6	VISCOSITY TEST FOR BITUMEN	BATCH-II
			~~DUCTILITY TEST ON BITUMEN~~	
07.05.2022	4	4,5,6	SOFTENING POINT TEST ON BITUMEN	BATCH-I
09.05.2022	5	4,5,6	SOFTENING POINT TEST ON BITUMEN	BATCH-II
14.05.2022	5	4,5,6	DUCTILITY TEST ON BITUMEN	BATCH-I & II
19.05.2022	4	4,5,6	STRIPPING TEST ON BITUMINOUS MIXES	BATCH-I
20.05.2022	5	4,5,6	STRIPPING TEST ON - BITUMINOUS MIXES.	BATCH-II
26.05.2022	4	4,5,6	DETERMINATION OF BINDER -CONTENT ON BITUMINOUS MIXES	BATCH-I
27.05.2022	5	4,5,6	DETERMINATION OF BINDER -CONTENT ON BITUMINOUS MIXES	BATCH-II
01.06.2022	4	4,5,6	MARSHALL STABILITY AND FLOW VALUE ON BITUMINOUS MIXES	BATCH-I
02.06.2022	5	4,5,6	MARSHALL STABILITY AND FLOW VALUES ON BITUMINOUS MIXES	BATCH-I & II

HOD/CIVIL

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 21.11.2021

Ref : SCE/Syllabus/Laboratory/2021-22- Odd sem/ CE8511 – Soil Mechanics Laboratory

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature : G. Venkatesan

Name : G.VENKATESAN

Designation : ASSISTANT PROF

Department : CIVIL

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

CE8511 – Soil Mechanics Laboratory

LABORATORY EXPERIMENT CYCLE

1. DETERMINATION OF INDEX PROPERTIES

a. Specific gravity of soil solids
b. Grain size distribution – Sieve analysis
c. Grain size distribution - Hydrometer analysis
d. Liquid limit and Plastic limit tests
e. Shrinkage limit and Differential free swell tests.

2. DETERMINATION OF INSITU DENSITY AND COMPACTION CHARACTERISTICS

a. Field density Test (Sand replacement method and core cutter method)
b. Determination of moisture – density relationship using standard Proctor compaction test.
c. Determination of relative density (Demonstration only)

3. DETERMINATION OF ENGINEERING PROPERTIES

a. Permeability determination (constant head and falling head methods)
b. One dimensional consolidation test (Determination of Co-efficient of consolidation only)
c. Direct shear test in cohesionless soil
d. Unconfined compression test in cohesive soil
e. Laboratory vane shear test in cohesive soil
f. Tri-axial compression test in cohesionless soil (Demonstration only)
g. California Bearing Ratio Test

Signature : G. Venkatesan

Name : G. VENKATESAN

Designation : ASSISTANT PROFESSOR

Department : CIVIL ENGINEERING

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 18.06.2022

Ref : SCE/Syllabus/Laboratory/2021-22- Even sem/ CE8612 – Irrigation and Environmental Engineering Drawing

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	: G. Venkatesan		Signature	:
Name	: G. VENKATESAN		Name	:
Designation	: ASSISTANT PROFESSOR		Designation	:
Department	: CIVIL			
		Signature of HoD	:	
		Principal	:	

Note: List of the students who have not got bonafide, if any, to be enclosed.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

CE8612 – Irrigation and Environmental Engineering Drawing

LABORATORY EXPERIMENT CYCLE

PART A: IRRIGATION ENGINEERING

I. TANK COMPONENTS

1.Fundamentals of design - Tank surplus weir
2.Tank sluice with tower head - Drawings showing foundation details, plan and elevation

II. IMPOUNDING STRUCTURES

3.Design principles - Earth dam
4.Profile of Gravity Dam

III. CROSS DRAINAGE WORKS

5.General design principles - Aqueducts
6.Syphon aqueduct (Type III) –
7.Canal drop (Notch Type) – Drawing showing plan, elevation and foundation details.

IV. CANAL REGULATION STRUCTURES

8.General Principles - Direct Sluice
9.Canal regulator - Drawing showing detailed plan, elevation and foundation details.

PART B: ENVIRONMENTAL ENGINEERING

V.WATER SUPPLY AND TREATMENT

10.Design and Drawing of flash mixer with flocculator
11.Design and Drawing of clarifier
12. Design and Drawing of Rapid sand filter
13. Design and Drawing of Service reservoirs with Pumping station
14.House service connection for water supply and drainage.

VI. SEWAGE TREATMENT & DISPOSAL

15.Design and Drawing of screen chamber
16. Design and Drawing of Grit channel
17. Design and Drawing of Primary clarifier
18. Design and Drawing of Activated sludge process
19. Design and Drawing of Aeration tank
20. Design and Drawing of Trickling filter
21. Design and Drawing of Sludge digester
22. Design and Drawing of Sludge drying beds
23. Design and Drawing of Septic tanks and disposal arrangements.

Signature : G. Venkatesan

Name : G. VENKATESAN

Designation : ASSISTANT PROFESSOR

Department : CIVIL ENGINEERING

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **CE8301** NBA Code : **C202** Title **STRENGTH OF MATERIALS I**
Faculty: Mr.C.Kesava Raja

Cos	CO Description	Attained Level	%
C202.1	Students will be able to understand the concepts of stress and strain, principal stresses and principal plane	2.38	79.33
C202.2	Students will be able to determine the shear force and bending moment in beams and understand the concepts of theory of simple bending	2.46	82.00
C202.3	Students will be able to calculate the deflection of beams by different methods and selection of methods for slope and deflection	2.58	86.00
C202.4	Students will be able to apply basic equation of torsion in design of circular shaft and helical springs	2.65	88.33
C202.5	Students will be able to analyze the pin jointed stress by the method of joint	2.46	82.00
C202.6	Students will be able to analyze the pin jointed stress by the method of section and tension coefficient method	2.54	84.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 26

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
237001	CE8301	3	3	3	2	2	2	30/03/2022	CIVIL	3
237002	CE8301	2	2	3	2	2	3	30/03/2022	CIVIL	3
237003	CE8301	2	2	2	2	3	2	30/03/2022	CIVIL	3
237004	CE8301	2	2	3	2	2	2	30/03/2022	CIVIL	3
237005	CE8301	2	3	3	3	2	2	30/03/2022	CIVIL	3
237006	CE8301	2	3	2	3	2	3	30/03/2022	CIVIL	3
237007	CE8301	2	3	3	2	3	3	30/03/2022	CIVIL	3
237008	CE8301	3	2	2	3	2	2	30/03/2022	CIVIL	3
237009	CE8301	2	2	2	3	2	3	30/03/2022	CIVIL	3
237010	CE8301	3	2	3	2	3	3	30/03/2022	CIVIL	3
237011	CE8301	2	3	3	3	3	3	30/03/2022	CIVIL	3
237012	CE8301	3	2	3	2	3	2	30/03/2022	CIVIL	3
237013	CE8301	2	2	2	3	3	3	30/03/2022	CIVIL	3
237014	CE8301	3	2	2	3	2	3	30/03/2022	CIVIL	3
237015	CE8301	3	3	3	3	2	2	30/03/2022	CIVIL	3
237016	CE8301	3	2	2	3	3	2	30/03/2022	CIVIL	3
237017	CE8301	2	3	3	3	3	3	30/03/2022	CIVIL	3
237018	CE8301	3	3	2	3	2	3	30/03/2022	CIVIL	3
237020	CE8301	2	2	2	3	2	3	30/03/2022	CIVIL	3
237021	CE8301	2	3	3	3	3	3	30/03/2022	CIVIL	3

237022	CE8301	3	3	3	3	3	2	30/03/2022	CIVIL	3
237023	CE8301	3	3	3	3	2	3	30/03/2022	CIVIL	3
237024	CE8301	2	2	3	3	3	2	30/03/2022	CIVIL	3
237025	CE8301	2	3	2	2	2	2	30/03/2022	CIVIL	3
237026	CE8301	2	2	3	3	2	2	30/03/2022	CIVIL	3
237027	CE8301	2	2	2	2	3	3	30/03/2022	CIVIL	3
Attained Level		2.38	2.46	2.58	2.65	2.46	2.54			
%		79.33	82.00	86.00	88.33	82.00	84.67			

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Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **CE8302** NBA Code : **C203** Title **FLUID MECHANICS**
Faculty: Mr.A.Anand Raj

Cos	CO Description	Attained Level	%
C203.1	Students will be able to get basic knowledge of fluids in static, kinematic and dynamic equilibrium.	2.42	80.67
C203.2	Students will be able to understand and solve the problems related to equation of motion.	2.54	84.67
C203.3	Students will be able to gain knowledge about dimensional and model analysis.	2.54	84.67
C203.4	Students will be able to learn types of flow and losses of flow in pipes.	2.5	83.33
C203.5	Students will be able to understand the boundary layer concepts.	2.62	87.33
C203.6	Students will be able to solve the boundary	2.65	88.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 26

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
237001	CE8302	3	3	3	2	3	3	30/03/2022	CIVIL	3
237002	CE8302	2	2	3	2	3	3	30/03/2022	CIVIL	3
237003	CE8302	3	3	2	3	2	2	30/03/2022	CIVIL	3
237004	CE8302	3	2	2	3	3	2	30/03/2022	CIVIL	3
237005	CE8302	3	3	2	3	3	2	30/03/2022	CIVIL	3
237006	CE8302	2	3	2	3	3	3	30/03/2022	CIVIL	3
237007	CE8302	2	3	2	3	3	3	30/03/2022	CIVIL	3
237008	CE8302	2	2	2	2	2	3	30/03/2022	CIVIL	3
237009	CE8302	3	2	3	3	3	2	30/03/2022	CIVIL	3
237010	CE8302	2	2	3	3	3	3	30/03/2022	CIVIL	3
237011	CE8302	2	3	2	2	2	3	30/03/2022	CIVIL	3
237012	CE8302	2	3	2	2	2	3	30/03/2022	CIVIL	3
237013	CE8302	3	2	2	2	3	2	30/03/2022	CIVIL	3
237014	CE8302	3	3	3	3	3	2	30/03/2022	CIVIL	3
237015	CE8302	3	3	3	3	2	3	30/03/2022	CIVIL	3
237016	CE8302	3	3	3	3	2	3	30/03/2022	CIVIL	3
237017	CE8302	3	3	3	2	3	2	30/03/2022	CIVIL	3
237018	CE8302	3	2	3	2	3	3	30/03/2022	CIVIL	3
237020	CE8302	2	2	3	3	2	3	30/03/2022	CIVIL	3
237021	CE8302	2	2	3	2	3	2	30/03/2022	CIVIL	3
237022	CE8302	2	3	3	2	3	3	30/03/2022	CIVIL	3

237023	CE8302	2	3	3	3	2	3	30/03/2022	CIVIL	3
237024	CE8302	2	2	3	2	3	3	30/03/2022	CIVIL	3
237025	CE8302	2	2	2	3	2	3	30/03/2022	CIVIL	3
237026	CE8302	2	3	2	2	3	2	30/03/2022	CIVIL	3
237027	CE8302	2	2	2	2	2	3	30/03/2022	CIVIL	3
Attained Level		2.42	2.54	2.54	2.5	2.62	2.65			
%		80.67	84.67	84.67	83.33	87.33	88.33			

217024	OME754	2	2	3	3	3	3	30/03/2022	CIVIL	7
217025	OME754	3	2	2	3	2	2	30/03/2022	CIVIL	7
217026	OME754	3	3	3	2	2	3	30/03/2022	CIVIL	7
217027	OME754	3	3	2	3	3	3	30/03/2022	CIVIL	7
217028	OME754	2	3	3	3	3	2	30/03/2022	CIVIL	7
217029	OME754	2	2	3	3	3	2	30/03/2022	CIVIL	7
217031	OME754	2	3	2	2	3	3	30/03/2022	CIVIL	7
217032	OME754	2	2	3	3	2	2	30/03/2022	CIVIL	7
217033	OME754	3	3	3	2	2	3	30/03/2022	CIVIL	7
217034	OME754	3	2	2	3	3	2	30/03/2022	CIVIL	7
217035	OME754	2	2	3	2	2	2	30/03/2022	CIVIL	7
217037	OME754	2	3	3	3	3	3	30/03/2022	CIVIL	7
217038	OME754	2	3	2	2	2	3	30/03/2022	CIVIL	7
217039	OME754	2	2	3	3	3	3	30/03/2022	CIVIL	7
217040	OME754	2	3	3	3	3	2	30/03/2022	CIVIL	7
217041	OME754	2	2	2	3	3	3	30/03/2022	CIVIL	7
217042	OME754	3	3	2	3	3	3	30/03/2022	CIVIL	7
217043	OME754	2	2	3	3	2	2	30/03/2022	CIVIL	7
217044	OME754	2	3	3	3	2	2	30/03/2022	CIVIL	7
217045	OME754	3	2	3	3	2	3	30/03/2022	CIVIL	7
217046	OME754	3	2	2	3	3	2	30/03/2022	CIVIL	7
217047	OME754	3	2	3	2	3	2	30/03/2022	CIVIL	7
217048	OME754	3	2	2	2	2	2	30/03/2022	CIVIL	7
217049	OME754	2	2	2	2	3	2	30/03/2022	CIVIL	7
217050	OME754	3	3	2	3	2	3	30/03/2022	CIVIL	7
217051	OME754	3	2	2	2	2	2	30/03/2022	CIVIL	7
217052	OME754	2	3	2	2	3	2	30/03/2022	CIVIL	7
217053	OME754	3	2	3	3	2	3	30/03/2022	CIVIL	7
217054	OME754	2	3	2	3	3	3	30/03/2022	CIVIL	7
217055	OME754	2	2	2	2	2	3	30/03/2022	CIVIL	7
217056	OME754	3	2	3	3	3	2	30/03/2022	CIVIL	7
217057	OME754	3	3	3	2	3	2	30/03/2022	CIVIL	7
217058	OME754	2	3	2	3	2	3	30/03/2022	CIVIL	7
217059	OME754	3	3	3	3	3	2	30/03/2022	CIVIL	7
Attained Level		2.52	2.5	2.59	2.57	2.5	2.45			
%		84.00	83.33	86.33	85.67	83.33	81.67			

217025	CE8703	3	2	2	2	3	2	30/03/2022	CIVIL	7
217026	CE8703	2	3	2	2	3	3	30/03/2022	CIVIL	7
217027	CE8703	2	2	2	2	2	2	30/03/2022	CIVIL	7
217028	CE8703	3	2	2	2	3	3	30/03/2022	CIVIL	7
217029	CE8703	3	2	3	2	2	3	30/03/2022	CIVIL	7
217031	CE8703	2	2	3	2	3	3	30/03/2022	CIVIL	7
217032	CE8703	3	3	2	2	2	2	30/03/2022	CIVIL	7
217033	CE8703	2	3	3	2	2	3	30/03/2022	CIVIL	7
217034	CE8703	2	2	3	2	2	3	30/03/2022	CIVIL	7
217035	CE8703	2	3	2	2	2	3	30/03/2022	CIVIL	7
217037	CE8703	3	2	3	3	3	3	30/03/2022	CIVIL	7
217038	CE8703	3	2	2	2	2	2	30/03/2022	CIVIL	7
217039	CE8703	3	2	3	2	2	3	30/03/2022	CIVIL	7
217040	CE8703	2	2	2	2	2	3	30/03/2022	CIVIL	7
217041	CE8703	2	3	3	2	3	2	30/03/2022	CIVIL	7
217042	CE8703	3	2	2	3	3	3	30/03/2022	CIVIL	7
217043	CE8703	2	3	3	2	2	3	30/03/2022	CIVIL	7
217044	CE8703	2	3	2	2	2	3	30/03/2022	CIVIL	7
217045	CE8703	3	3	3	3	2	2	30/03/2022	CIVIL	7
217046	CE8703	2	3	3	2	3	3	30/03/2022	CIVIL	7
217047	CE8703	3	2	3	3	2	2	30/03/2022	CIVIL	7
217048	CE8703	2	3	3	3	2	3	30/03/2022	CIVIL	7
217049	CE8703	2	3	3	2	3	3	30/03/2022	CIVIL	7
217050	CE8703	2	2	2	2	3	3	30/03/2022	CIVIL	7
217051	CE8703	2	3	2	3	2	2	30/03/2022	CIVIL	7
217052	CE8703	2	2	3	3	3	3	30/03/2022	CIVIL	7
217053	CE8703	3	3	3	2	2	3	30/03/2022	CIVIL	7
217054	CE8703	2	2	2	3	3	2	30/03/2022	CIVIL	7
217055	CE8703	2	2	3	2	3	2	30/03/2022	CIVIL	7
217056	CE8703	3	2	2	3	3	3	30/03/2022	CIVIL	7
217057	CE8703	2	3	3	3	2	3	30/03/2022	CIVIL	7
217058	CE8703	2	2	2	2	3	3	30/03/2022	CIVIL	7
217059	CE8703	2	2	2	3	3	3	30/03/2022	CIVIL	7
Attained Level		2.38	2.39	2.46	2.41	2.39	2.7			
%		79.33	79.67	82.00	80.33	79.67	90.00			

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Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **CE8391** NBA Code : **C205** Title **CONSTRUCTION MATERIALS**
Faculty: Mr.G.Venkatesan

Cos	CO Description	Attained Level	%
C205.1	Compare the properties of most common and advanced building materials.	2.31	77.00
C205.2	Understand the typical and potential applications of lime and cement.	2.38	79.33
C205.3	Understand the typical and potential applications of fine and coarse aggregate.	2.46	82.00
C205.4	Know the production of concrete and also the method of placing and making concrete elements.	2.42	80.67
C205.5	Understand the application of timber and other materials.	2.58	86.00
C205.6	Understand the importance of modern material for construction.	2.35	78.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 26

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
237001	CE8391	2	3	3	2	2	2	30/03/2022	CIVIL	3
237002	CE8391	2	3	3	2	3	2	30/03/2022	CIVIL	3
237003	CE8391	2	3	3	2	3	2	30/03/2022	CIVIL	3
237004	CE8391	3	2	2	3	3	2	30/03/2022	CIVIL	3
237005	CE8391	3	3	2	2	3	3	30/03/2022	CIVIL	3
237006	CE8391	2	2	2	3	2	2	30/03/2022	CIVIL	3
237007	CE8391	2	3	2	3	3	2	30/03/2022	CIVIL	3
237008	CE8391	2	3	2	3	3	3	30/03/2022	CIVIL	3
237009	CE8391	2	2	3	2	2	3	30/03/2022	CIVIL	3
237010	CE8391	2	2	3	3	3	2	30/03/2022	CIVIL	3
237011	CE8391	2	2	2	2	2	2	30/03/2022	CIVIL	3
237012	CE8391	3	2	2	3	2	2	30/03/2022	CIVIL	3
237013	CE8391	2	2	2	2	2	3	30/03/2022	CIVIL	3
237014	CE8391	2	3	2	3	3	2	30/03/2022	CIVIL	3
237015	CE8391	2	2	2	3	3	3	30/03/2022	CIVIL	3
237016	CE8391	3	2	3	2	2	2	30/03/2022	CIVIL	3
237017	CE8391	2	2	2	2	2	2	30/03/2022	CIVIL	3
237018	CE8391	2	2	3	3	3	3	30/03/2022	CIVIL	3
237020	CE8391	2	2	2	3	3	2	30/03/2022	CIVIL	3
237021	CE8391	2	2	2	2	2	3	30/03/2022	CIVIL	3
237022	CE8391	3	3	3	2	3	3	30/03/2022	CIVIL	3
237023	CE8391	2	2	3	2	3	2	30/03/2022	CIVIL	3

237024	CE8391	3	3	3	2	2	2	30/03/2022	CIVIL	3
237025	CE8391	3	3	3	2	3	2	30/03/2022	CIVIL	3
237026	CE8391	2	2	2	2	2	3	30/03/2022	CIVIL	3
237027	CE8391	3	2	3	3	3	2	30/03/2022	CIVIL	3
Attained Level		2.31	2.38	2.46	2.42	2.58	2.35			
%		77.00	79.33	82.00	80.67	86.00	78.33			

Saranathan College of Engineering
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Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **EN8491** NBA Code : **C303** Title **WATER SUPPLY ENGINEERING**
Faculty: Ms.K.Sathya Prabha

Cos	CO Description	Attained Level	%
C303.1	Students will have an insight into the structure of drinking water supply systems	2.61	87.00
C303.2	Students will have an understanding of water quality criteria and standards, and their relation to public health	2.5	83.33
C303.3	Students will have an insight into the structure of water transport, treatment and distribution	2.39	79.67
C303.4	Students will have the knowledge in various unit operations and processes in water treatment	2.5	83.33
C303.5	Students will have an ability to design the various functional units in water treatment	2.55	85.00
C303.6	Students will have the ability to design and evaluate water supply project alternatives on basis of chosen criteria	2.45	81.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 38

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
227001	EN8491	3	2	2	2	2	2	30/03/2022	CIVIL	5
227002	EN8491	2	2	2	3	3	2	30/03/2022	CIVIL	5
227003	EN8491	2	2	2	2	2	3	30/03/2022	CIVIL	5
227004	EN8491	2	2	2	3	3	3	30/03/2022	CIVIL	5
227005	EN8491	3	2	2	3	2	2	30/03/2022	CIVIL	5
227006	EN8491	3	2	3	2	2	3	30/03/2022	CIVIL	5
227007	EN8491	2	2	3	2	3	3	30/03/2022	CIVIL	5
227008	EN8491	2	3	3	3	2	2	30/03/2022	CIVIL	5
227009	EN8491	2	3	2	2	3	3	30/03/2022	CIVIL	5
227010	EN8491	3	3	3	2	3	2	30/03/2022	CIVIL	5
227011	EN8491	2	2	3	3	3	3	30/03/2022	CIVIL	5
227012	EN8491	3	3	2	3	2	3	30/03/2022	CIVIL	5
227013	EN8491	3	3	2	2	2	2	30/03/2022	CIVIL	5
227014	EN8491	2	3	2	2	3	3	30/03/2022	CIVIL	5
227016	EN8491	2	2	2	3	3	2	30/03/2022	CIVIL	5
227017	EN8491	2	2	2	2	3	2	30/03/2022	CIVIL	5
227018	EN8491	3	2	2	3	3	3	30/03/2022	CIVIL	5
227019	EN8491	2	2	2	2	2	3	30/03/2022	CIVIL	5
227020	EN8491	3	3	3	3	3	3	30/03/2022	CIVIL	5

227021	EN8491	2	2	2	3	3	3	30/03/2022	CIVIL	5
227022	EN8491	3	2	3	2	2	2	30/03/2022	CIVIL	5
227023	EN8491	2	3	2	2	2	2	30/03/2022	CIVIL	5
227024	EN8491	3	2	3	3	2	3	30/03/2022	CIVIL	5
227025	EN8491	3	3	3	2	3	3	30/03/2022	CIVIL	5
227026	EN8491	3	3	2	3	3	3	30/03/2022	CIVIL	5
227027	EN8491	3	3	2	2	2	2	30/03/2022	CIVIL	5
227028	EN8491	3	2	3	3	3	3	30/03/2022	CIVIL	5
227030	EN8491	3	2	2	3	3	2	30/03/2022	CIVIL	5
227031	EN8491	3	3	2	3	2	3	30/03/2022	CIVIL	5
227032	EN8491	3	3	2	2	2	2	30/03/2022	CIVIL	5
227033	EN8491	2	3	2	3	3	2	30/03/2022	CIVIL	5
227034	EN8491	3	3	2	3	2	2	30/03/2022	CIVIL	5
227035	EN8491	3	3	3	2	3	2	30/03/2022	CIVIL	5
227036	EN8491	3	3	3	2	3	2	30/03/2022	CIVIL	5
227038	EN8491	3	2	3	2	2	2	30/03/2022	CIVIL	5
227039	EN8491	3	3	2	2	3	2	30/03/2022	CIVIL	5
227040	EN8491	3	3	3	3	2	2	30/03/2022	CIVIL	5
227042	EN8491	2	2	3	3	3	2	30/03/2022	CIVIL	5
Attained Level		2.61	2.5	2.39	2.5	2.55	2.45			
%		87.00	83.33	79.67	83.33	85.00	81.67			

Saranathan College of Engineering
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Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **CE8502** NBA Code : **C302** Title **STRUCTURAL ANALYSIS I**
Faculty: Ms.P.Vaishali

Cos	CO Description	Attained Level	%
C302.1	Analyze continuous beams, pin-jointed indeterminate plane frames and rigid frames by strain energy method.	2.61	87.00
C302.2	Analyze continuous beams by slope deflection method.	2.45	81.67
C302.3	Analyze plane and inclined rigid frames by slope deflection method.	2.42	80.67
C302.4	Understand the concept of moment distribution and analysis of continuous beams and rigid frames with and without sway.	2.34	78.00
C302.5	Analyze the indeterminate pin-jointed plane frames, continuous beams and rigid frames using matrix flexibility method.	2.63	87.67
C302.6	Understand the concept of matrix stiffness method and analysis of continuous beams, pin-jointed truss and rigid plane frames.	2.53	84.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 38

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
227001	CE8502	2	3	2	2	2	2	30/03/2022	CIVIL	5
227002	CE8502	3	2	3	3	2	2	30/03/2022	CIVIL	5
227003	CE8502	3	2	3	2	2	3	30/03/2022	CIVIL	5
227004	CE8502	2	2	2	2	2	2	30/03/2022	CIVIL	5
227005	CE8502	2	3	3	3	3	3	30/03/2022	CIVIL	5
227006	CE8502	2	2	2	3	2	2	30/03/2022	CIVIL	5
227007	CE8502	3	3	3	2	2	3	30/03/2022	CIVIL	5
227008	CE8502	2	3	2	2	3	3	30/03/2022	CIVIL	5
227009	CE8502	3	2	2	2	2	2	30/03/2022	CIVIL	5
227010	CE8502	3	3	2	2	3	3	30/03/2022	CIVIL	5
227011	CE8502	2	2	3	2	3	3	30/03/2022	CIVIL	5
227012	CE8502	2	2	2	2	3	3	30/03/2022	CIVIL	5
227013	CE8502	3	2	2	3	3	2	30/03/2022	CIVIL	5
227014	CE8502	2	2	3	2	2	2	30/03/2022	CIVIL	5
227016	CE8502	2	2	3	2	3	3	30/03/2022	CIVIL	5
227017	CE8502	3	3	3	3	2	3	30/03/2022	CIVIL	5
227018	CE8502	3	2	3	3	3	3	30/03/2022	CIVIL	5
227019	CE8502	3	2	3	3	3	2	30/03/2022	CIVIL	5
227020	CE8502	3	2	2	2	3	3	30/03/2022	CIVIL	5
227021	CE8502	2	2	2	2	3	2	30/03/2022	CIVIL	5

227022	CE8502	2	2	3	3	3	3	30/03/2022	CIVIL	5
227023	CE8502	2	2	2	3	3	3	30/03/2022	CIVIL	5
227024	CE8502	3	2	2	2	3	2	30/03/2022	CIVIL	5
227025	CE8502	3	3	2	2	2	2	30/03/2022	CIVIL	5
227026	CE8502	3	3	2	3	3	2	30/03/2022	CIVIL	5
227027	CE8502	3	2	3	2	2	3	30/03/2022	CIVIL	5
227028	CE8502	3	2	3	3	3	3	30/03/2022	CIVIL	5
227030	CE8502	2	3	2	3	3	2	30/03/2022	CIVIL	5
227031	CE8502	3	2	2	2	2	2	30/03/2022	CIVIL	5
227032	CE8502	3	3	3	2	3	3	30/03/2022	CIVIL	5
227033	CE8502	3	3	2	2	3	2	30/03/2022	CIVIL	5
227034	CE8502	3	3	2	2	3	3	30/03/2022	CIVIL	5
227035	CE8502	2	3	2	2	2	3	30/03/2022	CIVIL	5
227036	CE8502	2	3	2	2	3	2	30/03/2022	CIVIL	5
227038	CE8502	3	3	3	2	3	2	30/03/2022	CIVIL	5
227039	CE8502	3	3	2	2	3	3	30/03/2022	CIVIL	5
227040	CE8502	3	3	3	3	2	2	30/03/2022	CIVIL	5
227042	CE8502	3	2	2	2	3	3	30/03/2022	CIVIL	5
Attained Level		2.61	2.45	2.42	2.34	2.63	2.53			
%		87.00	81.67	80.67	78.00	87.67	84.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **CE8501** NBA Code : **C301** Title **DESIGN OF REINFORCED CEMENT CONCRETE ELEMENTS**
Faculty: Mr.G.Venkatesan

Cos	CO Description	Attained Level	%
C301.1	1. To introduce the various design Philosophies for the design of RC Elements.	2.45	81.67
C301.2	2. To practice more problems on Rectangular sections by Working Stress Method and Limit State Method.	2.5	83.33
C301.3	3. To understand the Analysis and Design the Flanged beams for Shear and Torsion by Limit State Method.	2.53	84.33
C301.4	4. To Design the various types of Slabs and Staircase by Limit State Method.	2.55	85.00
C301.5	5. To Design the Columns for Axial, Uniaxial and Biaxial Eccentric Loadings by Limit State Method.	2.34	78.00
C301.6	6. To Design Footing by Limit State Method.	2.58	86.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 38

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
227001	CE8501	3	2	2	3	2	2	30/03/2022	CIVIL	5
227002	CE8501	2	3	3	3	3	3	30/03/2022	CIVIL	5
227003	CE8501	3	2	2	3	2	2	30/03/2022	CIVIL	5
227004	CE8501	3	2	3	2	2	2	30/03/2022	CIVIL	5
227005	CE8501	3	3	2	3	2	2	30/03/2022	CIVIL	5
227006	CE8501	3	3	2	3	2	2	30/03/2022	CIVIL	5
227007	CE8501	3	2	3	2	3	3	30/03/2022	CIVIL	5
227008	CE8501	3	2	3	3	2	3	30/03/2022	CIVIL	5
227009	CE8501	2	3	3	3	2	3	30/03/2022	CIVIL	5
227010	CE8501	3	2	3	2	2	2	30/03/2022	CIVIL	5
227011	CE8501	2	3	3	3	2	2	30/03/2022	CIVIL	5
227012	CE8501	2	2	2	3	2	2	30/03/2022	CIVIL	5
227013	CE8501	2	2	3	2	3	3	30/03/2022	CIVIL	5
227014	CE8501	2	3	2	2	2	2	30/03/2022	CIVIL	5
227016	CE8501	3	2	3	3	3	3	30/03/2022	CIVIL	5
227017	CE8501	2	3	2	2	2	2	30/03/2022	CIVIL	5
227018	CE8501	3	2	3	2	3	3	30/03/2022	CIVIL	5
227019	CE8501	2	2	3	3	2	3	30/03/2022	CIVIL	5
227020	CE8501	2	3	3	2	2	3	30/03/2022	CIVIL	5
227021	CE8501	2	2	2	3	3	2	30/03/2022	CIVIL	5

227022	CE8501	3	3	2	3	2	2	30/03/2022	CIVIL	5
227023	CE8501	3	2	2	2	2	3	30/03/2022	CIVIL	5
227024	CE8501	2	2	2	2	3	3	30/03/2022	CIVIL	5
227025	CE8501	2	2	3	3	2	3	30/03/2022	CIVIL	5
227026	CE8501	2	3	3	2	3	3	30/03/2022	CIVIL	5
227027	CE8501	3	3	3	3	3	3	30/03/2022	CIVIL	5
227028	CE8501	3	3	3	2	3	3	30/03/2022	CIVIL	5
227030	CE8501	2	3	3	2	2	3	30/03/2022	CIVIL	5
227031	CE8501	2	2	2	3	3	3	30/03/2022	CIVIL	5
227032	CE8501	2	3	2	2	2	3	30/03/2022	CIVIL	5
227033	CE8501	2	2	3	2	2	2	30/03/2022	CIVIL	5
227034	CE8501	2	2	2	3	3	3	30/03/2022	CIVIL	5
227035	CE8501	2	3	3	3	2	3	30/03/2022	CIVIL	5
227036	CE8501	3	3	2	2	2	2	30/03/2022	CIVIL	5
227038	CE8501	3	3	2	3	2	3	30/03/2022	CIVIL	5
227039	CE8501	2	2	2	3	2	2	30/03/2022	CIVIL	5
227040	CE8501	3	3	3	3	2	2	30/03/2022	CIVIL	5
227042	CE8501	2	3	2	2	3	3	30/03/2022	CIVIL	5
Attained Level		2.45	2.5	2.53	2.55	2.34	2.58			
%		81.67	83.33	84.33	85.00	78.00	86.00			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **OME754** NBA Code : **C405** Title **INDUSTRIAL SAFETY**
Faculty: Mr.A.Anand Raj

Cos	CO Description	Attained Level	%
C405.1	Students will be able to understand and prevent the problems related to fire safety.	2.52	84.00
C405.2	Students must be able to identify and prevent chemical hazards.	2.5	83.33
C405.3	Students must be able to recognize and prevent environmental hazards.	2.59	86.33
C405.4	Students will be able to learn various methods of hazard analysis.	2.57	85.67
C405.5	Students will obtain knowledge on various safety regulations.	2.5	83.33
C405.6	Students must be able to apply proper safety techniques on safety engineering and management.	2.45	81.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 56

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
217001	OME754	3	3	3	3	3	3	30/03/2022	CIVIL	7
217002	OME754	2	3	3	2	3	2	30/03/2022	CIVIL	7
217003	OME754	2	2	2	3	3	3	30/03/2022	CIVIL	7
217004	OME754	3	2	2	3	3	2	30/03/2022	CIVIL	7
217006	OME754	3	2	2	2	3	2	30/03/2022	CIVIL	7
217007	OME754	3	3	2	2	2	2	30/03/2022	CIVIL	7
217008	OME754	2	3	3	3	2	2	30/03/2022	CIVIL	7
217009	OME754	3	2	3	3	2	2	30/03/2022	CIVIL	7
217010	OME754	3	2	3	2	2	3	30/03/2022	CIVIL	7
217011	OME754	2	3	3	2	2	2	30/03/2022	CIVIL	7
217012	OME754	3	2	2	3	3	3	30/03/2022	CIVIL	7
217013	OME754	2	3	3	3	2	2	30/03/2022	CIVIL	7
217014	OME754	2	3	2	2	2	2	30/03/2022	CIVIL	7
217015	OME754	3	3	2	2	2	3	30/03/2022	CIVIL	7
217016	OME754	3	3	3	2	3	2	30/03/2022	CIVIL	7
217017	OME754	3	2	3	2	3	2	30/03/2022	CIVIL	7
217018	OME754	3	2	3	3	3	3	30/03/2022	CIVIL	7
217019	OME754	3	2	3	2	2	2	30/03/2022	CIVIL	7
217020	OME754	2	3	3	3	2	3	30/03/2022	CIVIL	7
217021	OME754	2	3	3	2	2	2	30/03/2022	CIVIL	7
217022	OME754	3	2	3	3	2	3	30/03/2022	CIVIL	7
217023	OME754	2	3	3	2	2	3	30/03/2022	CIVIL	7

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **CE8703** NBA Code : **C403** Title **STRUCTURAL DESIGN DRAWING**
Faculty: Ms.P.Vaishali

Cos	CO Description	Attained Level	%
C403.1	Design and draw reinforced concrete Cantilever and Counterfort Retaining Walls.	2.38	79.33
C403.2	Design and draw flat slab as per codal provisions.	2.39	79.67
C403.3	Design and draw reinforced concrete bridges and water tanks.	2.46	82.00
C403.4	Design and draw steel bridges and water tanks.	2.41	80.33
C403.5	Design and detail the various steel trusses.	2.39	79.67
C403.6	Design and detail plate girder and gantry girder.	2.7	90.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 56

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
217001	CE8703	3	2	3	3	3	2	30/03/2022	CIVIL	7
217002	CE8703	2	3	3	2	2	2	30/03/2022	CIVIL	7
217003	CE8703	3	3	2	3	3	2	30/03/2022	CIVIL	7
217004	CE8703	2	3	2	2	2	3	30/03/2022	CIVIL	7
217006	CE8703	2	3	2	2	3	3	30/03/2022	CIVIL	7
217007	CE8703	3	2	3	3	3	3	30/03/2022	CIVIL	7
217008	CE8703	3	2	2	3	2	2	30/03/2022	CIVIL	7
217009	CE8703	3	2	3	3	2	3	30/03/2022	CIVIL	7
217010	CE8703	2	2	2	2	2	3	30/03/2022	CIVIL	7
217011	CE8703	2	3	2	3	2	3	30/03/2022	CIVIL	7
217012	CE8703	2	2	2	3	2	2	30/03/2022	CIVIL	7
217013	CE8703	3	2	2	2	2	2	30/03/2022	CIVIL	7
217014	CE8703	3	2	2	2	3	3	30/03/2022	CIVIL	7
217015	CE8703	2	3	3	3	2	3	30/03/2022	CIVIL	7
217016	CE8703	2	2	3	3	3	3	30/03/2022	CIVIL	7
217017	CE8703	2	3	2	2	2	3	30/03/2022	CIVIL	7
217018	CE8703	3	3	3	3	2	2	30/03/2022	CIVIL	7
217019	CE8703	2	2	2	2	2	3	30/03/2022	CIVIL	7
217020	CE8703	2	2	2	2	2	3	30/03/2022	CIVIL	7
217021	CE8703	2	2	2	3	2	3	30/03/2022	CIVIL	7
217022	CE8703	3	2	2	3	2	3	30/03/2022	CIVIL	7
217023	CE8703	2	2	3	2	2	3	30/03/2022	CIVIL	7
217024	CE8703	2	2	3	2	2	3	30/03/2022	CIVIL	7

Saranathan College of Engineering
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FeedBack Report : CIVIL Month&Year: 1ST FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	kesavaraja-ce	CIVIL-A/3	21	CE8301/Strength Of Materials I	14.14	13.71	7.09	10.97	10.74	10.97	3.62	5.71	7.39	7.47	91.82
2	anandraj-ce	CIVIL-A/3	21	CE8302/Fluid Mechanics	14.29	14.14	7.62	11.43	10.97	11.09	3.77	5.83	7.54	7.70	94.37
3	kannan-ce	CIVIL-A/3	21	CE8351/Surveying	14.43	14.57	7.09	10.86	11.20	11.54	3.70	5.66	7.77	7.47	94.28
4	venkatesan-ce	CIVIL-A/3	21	CE8391/Construction Materials	13.71	13.86	7.09	10.86	10.97	10.97	3.62	5.54	7.39	7.31	91.32
5	kesavaraja-ce	CIVIL-A/3	21	CE8392/Engineering Geology	14.00	14.00	7.62	11.09	11.09	10.74	3.66	5.71	7.62	7.47	92.99
6	venkatesan-ce	CIVIL-A/5	28	CE8501/Design Of Reinforced Cement Concrete Elements	12.43	11.79	6.69	9.60	9.09	9.09	3.11	4.93	6.23	6.51	79.46
7	vaishali-ce	CIVIL-A/5	24	CE8502/Structural Analysis I	11.75	12.00	6.00	9.00	9.00	9.50	3.10	4.75	6.33	6.33	77.77
8	kannan-ce	CIVIL-A/5	25	CE8591/Foundation Engineering	12.36	12.24	6.46	9.98	9.70	9.70	3.20	4.75	6.34	6.59	81.32
9	sathyaprabha-ce	CIVIL-A/5	23	EN8491/Water Supply Engineering	11.87	12.00	6.54	9.70	9.60	9.18	3.27	4.85	6.33	6.47	79.82
10	belin-ce	CIVIL-A/5	22	GE8071/Disaster Management	12.55	12.41	6.84	10.47	10.36	10.47	3.42	5.18	6.84	6.84	85.37
11	sathyaprabha-ce	CIVIL-A/5	20	OAI551/Environment And Agriculture	11.40	11.10	6.24	9.36	8.76	9.24	3.08	4.50	6.00	6.08	75.76
12	belin-ce	CIVIL-A/7	51	CE8701/Estimation, Costing And	12.71	12.12	6.56	9.69	9.65	9.98	3.31	4.92	6.31	6.87	82.10

				Valuation Engineering											
13	kesavaraja-ce	CIVIL-A/7	47	CE8702/Railways Airports And Harbour Engineering	12.26	12.00	6.40	9.45	9.50	9.40	3.10	4.75	6.26	6.37	79.47
14	vaishali-ce	CIVIL-A/7	52	CE8703/Structural Design Drawing	12.75	12.17	6.37	9.55	9.65	9.60	3.28	4.96	6.62	6.68	81.62
15	sathyaprabha-ce	CIVIL-A/7	49	EN8591/Municipal Solid Waste Management	12.61	12.37	6.43	10.04	9.65	9.60	3.30	4.90	6.53	6.47	81.89
16	anandraj-ce	CIVIL-A/7	48	OME754/Industrial Safety	12.62	12.69	6.83	10.20	10.35	10.20	3.47	5.12	6.83	6.77	85.09

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CIVIL Month&Year: 2ND FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	kesavaraja-ce	CIVIL-A/3	22	CE8301/Strength Of Materials I	14.73	14.59	7.05	11.13	10.91	10.69	3.60	5.56	7.35	7.42	93.03
2	anandraj-ce	CIVIL-A/3	20	CE8302/Fluid Mechanics	14.70	14.85	7.52	11.28	11.40	11.28	3.76	5.64	7.52	7.60	95.55
3	kannan-ce	CIVIL-A/3	22	CE8351/Surveying	14.86	14.86	7.27	11.13	10.80	11.24	3.78	5.62	7.49	7.49	94.55
4	venkatesan-ce	CIVIL-A/3	22	CE8391/Construction Materials	14.73	14.86	7.49	11.24	11.02	10.69	3.75	5.56	7.35	7.42	94.10
5	kesavaraja-ce	CIVIL-A/3	23	CE8392/Engineering Geology	14.74	14.87	7.37	10.96	11.17	11.06	3.76	5.63	7.44	7.37	94.37
6	venkatesan-ce	CIVIL-A/5	21	CE8501/Design Of Reinforced Cement Concrete Elements	14.00	13.86	6.17	9.26	8.91	8.80	3.16	4.80	6.02	5.87	80.85
7	vaishali-ce	CIVIL-A/5	17	CE8502/Structural Analysis I	13.94	13.59	6.31	9.46	9.46	9.88	3.06	4.80	6.40	6.02	82.92
8	kannan-ce	CIVIL-A/5	17	CE8591/Foundation Engineering	14.29	14.12	6.68	10.02	9.88	10.02	3.34	5.08	6.78	6.59	86.81
9	sathyaprabha-ce	CIVIL-A/5	17	EN8491/Water Supply Engineering	13.76	13.59	6.21	9.60	9.74	9.32	3.20	4.73	6.31	6.59	83.05
10	belin-ce	CIVIL-A/5	15	GE8071/Disaster Management	14.20	14.20	6.61	10.24	10.08	9.92	3.25	4.88	6.51	6.40	86.29
11	sathyaprabha-ce	CIVIL-A/5	15	OAI551/Environment And Agriculture	14.40	14.60	6.61	10.40	10.24	9.92	3.36	5.04	6.83	6.61	88.01
12	belin-ce	CIVIL-A/7	36	CE8701/Estimation, Costing And	14.17	14.17	6.58	9.67	9.87	9.80	3.24	4.93	6.58	6.53	85.53

				Valuation Engineering											
13	kesavaraja-ce	CIVIL-A/7	38	CE8702/Railways Airports And Harbour Engineering	14.05	14.05	6.27	9.66	9.54	9.73	3.20	4.77	6.48	6.27	84.03
14	vaishali-ce	CIVIL-A/7	38	CE8703/Structural Design Drawing	14.13	14.21	6.57	9.98	9.60	9.92	3.35	4.93	6.61	6.69	85.98
15	sathyaprabha-ce	CIVIL-A/7	34	EN8591/Municipal Solid Waste Management	14.29	14.29	6.45	9.67	9.67	9.81	3.29	4.84	6.64	6.59	85.54
16	anandraj-ce	CIVIL-A/7	36	OME754/Industrial Safety	14.42	14.50	6.89	10.33	10.40	10.27	3.44	5.20	6.89	6.71	89.05

Saranathan College of Engineering
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FeedBack Report : CIVIL Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	kannan-ce	CIVIL-A/4	19	CE8401/Construction Techniques And Practices	14.05	14.37	7.66	11.49	11.24	11.49	3.71	5.62	7.33	7.58	94.55
2	kesavaraja-ce	CIVIL-A/4	18	CE8402/Strength Of Materials Ii	13.17	12.00	7.02	9.07	9.87	10.80	3.16	5.47	7.29	6.58	84.41
3	anandraj-ce	CIVIL-A/4	16	CE8403/Applied Hydraulic Engineering	14.62	14.25	7.50	11.40	11.25	11.40	3.65	5.55	7.70	7.50	94.82
4	sathyaprabha-ce	CIVIL-A/4	18	CE8404/Concrete Technology	14.17	14.00	7.20	11.33	11.33	11.20	3.64	5.40	7.38	7.56	93.21
5	venkatesan-ce	CIVIL-A/4	18	CE8491/Soil Mechanics	13.83	13.50	6.49	9.60	10.13	10.27	3.33	5.40	7.02	7.11	86.69
6	kesavaraja-ce	CIVIL-A/6	32	CE8005/Air Pollution And Control Engineering	8.72	8.72	4.50	6.38	6.75	6.68	2.17	3.75	5.05	4.45	57.16
7	belin-ce	CIVIL-A/6	31	CE8601/Design Of Steelstructural Elements	13.06	13.06	6.86	10.37	10.22	10.37	3.43	5.26	6.97	6.92	86.54
8	sathyaprabha-ce	CIVIL-A/6	31	CE8602/Structural Analysis Ii	10.35	10.45	5.32	7.97	8.52	8.21	2.76	4.18	5.68	5.88	69.32
9	venkatesan-ce	CIVIL-A/6	31	CE8603/Irrigation Engineering	10.45	10.26	5.68	8.21	8.13	8.21	2.66	4.18	5.52	5.52	68.81
10	anandraj-ce	CIVIL-A/6	31	CE8604/Highway Engineering	11.90	12.00	6.19	9.29	9.52	9.60	3.12	4.65	6.35	6.50	79.13
11	kannan-ce	CIVIL-A/6	32	EN8592/Wastewater Engineering	12.66	12.38	6.35	9.68	9.68	9.60	3.25	4.69	6.40	6.35	81.02
12	anandraj-ce	CIVIL-	14	CE8020/Maintenance,	12.00	11.79	6.40	9.60	9.77	9.60	3.14	4.80	6.40	6.51	80.01

	A/8		Repair And Rehabilitation Of Structures	

Action taken report

Academic year / Semester: 2021-2022 / ODD semester

The student's feedback about the subject handling staff during this semester is attached above. Based on the above, the following faculty members (below 60%) were called for a meeting with the Principal in Google meet platform

S.No.	Staff Code	Branch / Sem	No. Of Student	Subject Code/Name	Total (Out of 100)
1	Kesavaraja-ce	CIVIL-A/5	38	CE8005/Air Pollution and Control Engineering	57.16

The teacher was communicated about his feedback and was advised to take more efforts to improve his performance by the Principal. The Principal and senior faculty members suggested some ideas to improve his performance in the upcoming semesters

HOD / Civil

Principal

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG C.S.E

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED			
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences	Postponed	
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday - CTS Drive			04	MON	Infosys Drive	I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE		II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE	coding Competition Quiz Contest	I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED		II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE	Zentron Drive	II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences	Postponed	
14	SAT	Holiday			14	TUE		II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3 paper launch 2k21	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3 Project Competition	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON	Inlustro Course commences	III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON	Wipro Drive	I	26	27	WED		V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI		II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday TCS online Drive			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) - II, III & IV UG C.S.E

MAR' 22	DAY	DETAILS	Day order	working days	APR' 22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday - Online Alumni meet			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON	Code Chef orientation	IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Convocation 2019 batch			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Convocation 2020 batch			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				20	32				22	54				14	68
																	Total No.of working days for the semester :	68	

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG C.S.E

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED			
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences	Postponed	
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday - CTS Drive			04	MON	Infosys Drive	I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE		II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE	coding Competition Quiz Contest	I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED		II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE	Zentron Drive	II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences	Postponed	
14	SAT	Holiday			14	TUE		II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3 paper launch 2k21	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3 Project Competition	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON	Inlustro Course commences	III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON	Wipro Drive	I	26	27	WED		V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI		II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday TCS online Drive			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) - II, III & IV UG C.S.E

MAR' 22	DAY	DETAILS	Day order	working days	APR' 22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday - Online Alumni meet			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON	Code Chef orientation	IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Convocation 2019 batch			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Convocation 2020 batch			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				20	32				22	54				14	68
																	Total No.of working days for the semester :	68	



SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012

Department of Computer Science and Engineering

WORKLOAD ALLOCATION FOR ACADEMIC YEAR 2021 -22(ODD)

Sl.No	Name of the Faculty	Name of the Subject	Subject Code	Year / Sem	Theory/ Lab	Hours	Total Hours
1	Dr.S.A.Sahaaya Arul Mary	Object Oriented Analysis and Design	CS8592	III / V	Theory	4	10
		OOAD Lab	CS8582	III / V	Lab	6	
2	Dr.R.Thillaikarasi	Data Structures	CS8391	II / III	Theory	6	17
		Data Structures Laboratory	CS8381	II / III	Lab	6	
		Theory of Computation	CS8501	III / V	Theory	5	
3	Dr.S.Mohana	Object Oriented Programming	CS8392	II / III	Theory	6	17
		Object Oriented Programming Laboratory	CS8383	II / III	Lab	6	
		Operating Systems Internals	CP5153	PG - I	Theory	5	
4	Dr.PL.Rajarajeswari	Hospital Management	OBM752	IV / VII	Theory	5	18
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Advanced Data Structures and Algorithms	CP5151	PG - I	Theory	6	
		Data Structures Laboratory	CP5161	PG - I	Lab	3	
5	Dr.R.Senthamil selvi	Theory of Computation	CS8501	III / V	Theory	5	16
		Project Work Phase –I	CP5311	PG- II	Lab	-	
		Cloud Computing	CS8792	IV / VII	Theory	5	
		Cloud Computing Laboratory	CS8712	IV / VII	Lab	6	
6	Mr.S.Venkatasubramanian	Computer Networks	CS8591	III / V	Theory	5	16
		Networks Lab	CS8581	III / V	Lab	6	
		Computer Vision	CP5095	PG - II	Theory	5	
7	Mr.K.S.Chandrasekaran	Object Oriented Programming	CS8392	II / III	Theory	6	17
		Object Oriented Programming Laboratory	CS8383	II / III	Lab	6	
		Multicore Architecture & Programming	CS8083	IV / VII	Theory	5	
8	Dr.T.SathisKumar	Fundamentals of Data Structures In C (ECE)	EC8393	II / III	Theory	4	15
		Fundamentals of Data Structures in C Laboratory	EC8381	II / III	Lab	6	
		Advanced Computer Architecture	CP5152	PG - I	Theory	5	

Sl.No	Name of the Faculty	Name of the Subject	Subject Code	Year / Sem	Theory/ Lab	Hours	Total Hours
9	Mr.D.Boobala Muralidharan	Object Oriented Programming (EEE)	CS8392	III / V	Theory	5	16
		Object Oriented Programming Laboratory	CS8383	III / V	Lab	6	
		Advanced Software Engineering	CP5154	PG- I	Theory	5	
10	Mr.R.Karthik	Data Structures	CS8391	II / III	Theory	6	21
		Data Structures Laboratory	CS8381	II / III	Lab	6	
		Problem Solving and Python Programming	GE8151	I / I	Theory	5	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
11	Ms.J.SathiaParkavi	Software Project Management	IT8075	IV / VII	Theory	5	20
		Object Oriented Analysis and Design	CS8592	III / V	Theory	5	
		OOAD Lab	CS8582	III / V	Lab	6	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
12	Mr.A.T.Barani Vijayakumar	Digital Principles and sytem design	CS8351	II / III	Theory	6	17
		Cloud Computing	CS8792	IV / VII	Theory	5	
		Cloud Computing Laboratory	CS8712	IV / VII	Lab	6	
13	Mr.R.Mohankumar	Information Storage Management	CP5076	PG -II	Theory	5	18
		Problem Solving and Python Programming	GE8151	I / I	Theory	5	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
14	Mr.P.Dinesh Kumar	Computer Networks	CS8591	III / V	Theory	5	20
		Networks Lab	CS8581	III / V	Lab	6	
		Problem Solving and Python Programming	GE8151	I / I	Theory	5	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
15	Mr.B.Arun Prasad	Problem Solving and Python Programming	GE8151	I / I	Theory	5	19
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Social Network Analysis	CP5074	PG -II	Theory	5	
		Machine Learning Techniques	CP5191	PG -I	Theory	5	
16	Mr.B.Aravind Prasad	Hospital Management	OBM752	IV / VII	Theory	5	18
		Problem Solving and Python Programming	GE8151	I / I	Theory	5	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Problem Solving and Python Programming Lab	GE8161	I /I	Lab	4	

Sl.No	Name of the Faculty	Name of the Subject	Subject	Year / Sem	Theory/ Lab	Hours	Total
17	Ms.S.Ranjani	Cryptography and Network Security	CS8791	IV / VII	Theory	5	19
		Security Laboratory	CS8711	IV / VII	Lab	6	
		Training & Placement		III / V	Theory	4	
		Geographic Information System	OCE552	III / V	Theory	4	
18	Ms.Hema	Multicore Architecture & Programming	CS8083	IV / VII	Theory	5	18
		Problem Solving and Python Programming	GE8151	I / I	Theory	5	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
19	Ms.G.Ishwarya	Digital Principles and sytem design	CS8351	II / III	Theory	6	17
		Fundamentals of Data Structures In C (ECE)	EC8393	II / III	Theory	5	
		Fundamentals of Data Structures in C Laboratory	EC8381	II / III	Lab	6	
20	Ms.V.Keerthana	Object Oriented Programming (EEE)	CS8392	III / V	Theory	5	20
		Object Oriented Programming Laboratory	CS8383	III / V	Lab	6	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Introduction to C Programming (EEE)	OCS752	IV / VII	Theory	5	
21	Ms.Priyanka	Problem Solving and Python Programming	GE8151	I / I	Theory	5	18
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Introduction to C Programming (EEE)	OCS752	IV / VII	Theory	5	
22	Ms.K.Gomathi	Problem Solving and Python Programming	GE8151	I / I	Theory	5	18
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Problem Solving and Python Programming Lab	GE8161	I / I	Lab	4	
		Software Project Management	IT8075	IV / VII	Theory	5	
23	Dr.Lakshmikanth	Cryptography and Network Security	CS8791	IV / VII	Theory	5	15
		Security Laboratory	CS8711	IV / VII	Lab	6	
		Geographic Information System	OCE552	III / V	Theory	4	

Timetable Coordinator

13/8/21
HoD/CSE

Principal

SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012

Department of Computer Science and Engineering

WORKLOAD ALLOCATION FOR ACADEMIC YEAR 2021 -22(EVEN)

Sl.No	Name of the Faculty	Name of the Subject	Subject Code	Year / Sem	Theory/ Lab	Hours	Total Hours
1	Dr.S.A.Sahaaya Arul Mary	Software Engineering -B	CS8494	II / IV	Theory	3	3
2	Dr.S.Mohana	Database Management Systems - A	CS8492	II / IV	Theory	3	12
		Database Management Systems Lab - A	CS8481	III / VI	Lab	6	
		Term Paper and seminar	CP4211	I /II	Lab	3	
3	Dr.PL.Rajarajeswari	Computer Architecture - A	CS8491	II / IV	Theory	3	12
		Mobile Computing - B	CS8601	III / VI	Theory	3	
		Mobile Computing Lab - B	CS8662	III / VI	Lab	6	
4	Dr.R.Senthamil selvi	Compiler Design - A	CS8602	III / VI	Theory	3	12
		Cloud Computing Technologies - PG	MP4253	I /II	Theory	3	
		Mini Project - A	CS8611	III / VI	Lab	3	
		Project work - Phase II	CP5411	II / IV	Lab	3	
5	Mr.S.Venkatasubramanian	Professional Ethics in Engineering - A	GE8096	IV / VII	Theory	3	12
		Mobile Computing - A	CS8601	III / VI	Theory	3	
		Mobile Computing Lab - A	CS8662	III / VI	Lab	6	
6	Mr.K.S.Chandrasekaran	Design and Analysis of Algorithms - B	CS8451	II / IV	Theory	3	12
		Intenet Programming - B	CS8651	III / VI	Theory	3	
		Intenet Programming Lab - B	CS8661	III / VI	Lab	6	
7	Dr.T.SathisKumar	Information Retrieval - A	CS8080	III / VI	Theory	3	12
		Distributed System - B	CS8603	III / VI	Theory	3	
		Operating Systems Lab - A	CS8461	II / IV	Lab	6	
8	Dr.N.Lakshmi kanthan	Distributed System - A	CS8603	III / VI	Theory	3	12
		Internet of Things - PG	CP4251	I / II	Theory	3	
		Operating Systems Lab - B	CS8461	II / IV	Lab	6	
9	Mr.D.Boobala Muralidharan	Advanced Software Engineering - PG	SE4151	I / II	Theory	3	11
		Software Engineering Laboratory	CP4212	I /II	Lab	2	
		Programming in C Laboratory - A	CS3271	I / II	Lab	3	
		Information Retrieval - A & B	CS8080	IV / VIII	Theory	3	
10	Mr.R.Karthik	Data Warehousing and Data Mining - B	CS8075	III / VI	Theory	3	12
		Big Data Mining and Analytics - PG	BD4251	I / II	Theory	3	
		Database Management Systems Lab - A	CS8481	III / VI	Lab	3	
		Mini Project - B	CS8611	III / VI	Lab	3	
11	Ms.K.Mohanappriya	Compiler Design - B	CS8602	III / VI	Theory	3	13
		Programming in C - A	CS3251	I / II	Theory	4	
		Programming in C Laboratory - A	CS3271	I / II	Lab	3	
		Data Structures Design Laboratory	AD3271	I / II	Lab	3	
12	Ms.J.SathiaParkavi	Operating Systems - B	CS8493	II / IV	Theory	3	15
		Operating Systems Lab - B	CS8461	II / IV	Lab	6	
		Data Structures Design - AI & DS	AD3251	I / II	Theory	3	
		Data Structures Design Laboratory	AD3271	I / II	Lab	3	
13	Mr.A.T.Barani Vijayakumar	Multicore Architecture and Programming - PG	CP4253	I / II	Theory	3	14
		Mobile Computing Lab - B	CS8662	III / VI	Lab	6	
		Computer Architecture - B	CS8491	II / IV	Theory	3	
		Training and Placement		III / VI		2	

Sl.No	Name of the Faculty	Name of the Subject	Subject Code	Year / Sem	Theory/ Lab	Hours	Total Hours
14	Mr.R.Mohankumar	Data Warehousing and Data Mining - A	CS8075	III / VI	Theory	3	15
		Information Retrieval - A	CS8080	III / VI	Theory	3	
		Intenet Programming Lab - A	CS8661	III / VI	Lab	6	
		Mini Project - B	CS8611	III / VI	Lab	3	
15	Mr.P.Dinesh Kumar	Artificial Intelligence - A	CS8691	III / VI	Theory	3	12
		Machine Learning - PG	CP4252	I / II	Theory	3	
		Database Management Systems Lab - A	CS8481	III / VI	Lab	3	
		Mini Project - A	CS8611	III / VI	Lab	3	
16	Mr.B.Arun Prasad	Software Engineering - A	CS8494	II / IV	Theory	3	15
		Mobile Computing Lab - A	CS8662	III / VI	Lab	6	
		Mini Project - A	CS8611	III / VI	Lab	3	
		Professional Ethics in Engineering - B	GE8096	IV / VII	Theory	3	
17	Ms.G.Iswarya	Operating Systems - A	CS8493	II / IV	Theory	3	15
		Operating Systems Lab - A	CS8461	II / IV	Lab	6	
		Database Management Systems Lab - A	CS8481	III / VI	Lab	6	
18	Ms.R.Hema	Database Management Systems - B	CS8492	III / VI	Theory	3	9
		Database Management Systems Lab - B	CS8481	III / VI	Lab	6	
		Project work - B	CS8811	IV /VIII	Lab	-	
19	Mr.B.Aravind Prasad	Artificial Intelligence - B	CS8691	III / VI	Theory	3	10
		Mobile Computing Lab - B	CS8662	III / VI	Lab	4	
		Mini Project - B	CS8611	III / VI	Lab	3	
		Project work - A	CS8811	IV /VIII	Lab	-	
20	Ms.S.Ranjani	Intenet Programming - A	CS8651	III / VI	Theory	3	15
		Intenet Programming Lab - A	CS8661	III / VI	Lab	6	
		Intenet Programming Lab - B	CS8661	III / VI	Lab	6	
21	Ms.K.Gomathi	Design and Analysis of Algorithms - A	CS8451	II / IV	Theory	3	13
		Programming in C - B	CS3251	I / II	Theory	4	
		Programming in C Laboratory - B	CS3271	I / II	Lab	3	
		Programming in C Laboratory - A	CS3271	I / II	Lab	3	

Timetable Coordinator **HoD/CSE** **Principal**

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, NBA Accredited, Affiliated to Anna University, Chennai)

DEPARTMENT OF COMPUTERSCIENCE AND ENGINEERING

REVIEW OF COURSE FILE

ACADEMIC YEAR:2021-2022(ODD)

SUB.CODE/SUB.NAME:CS8592-OBJECT ORIENTED ANALYSIS AND DESIGN
YEAR / SEMESTER / SECTION: 3 / 5 / B
FACULTY NAME:J.SATHIAPARKAVI, AP/CSE

S.No.	Details	Review				
		1	2	3	4	5
	Date:	7.1.22				
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy [1]	✓				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities[1]	✓				
3.	Syllabus signed by staff & HoD[1]	✓				
4.	Lecture Schedule signed by staff & HoD[1]	✓				
5.	Course Committee meeting circular and minutes[1]	✓				
6.	Identification of Curricular gap and Content Beyond the syllabus[1]	✓				
7.	Previous AU Question papers (at least 5)[1]	✓				
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers[1]	✓				
9.	Unit wise course material [1]	✓				
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry [234]	✓				
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry [234]	NA				
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry[234]	✓				
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis. [234]	✓				
14.	Makeup Test –Q paper-Attendance-marks - sample answer papers[234]	✓				
15.	Remedial Test–Q paper-Attendance-marks - sample answer papers[234]	NA				
16.	AU Web portal entry sheet[234]	✓				
17.	Very poor performance in first two tests-action taken - communication to parents-evidence.[23]	✓				
18.	Absence for two tests-action taken-communication to parents-evidence. [23]	✓				
19.	Indiscipline of student reported, if any [234]	NA				
20.	Special class/coaching class/remedial class/attendance-CAP [234]	✓				
21.	Conduct of Seminar, Quizzes - proof[234]	✓				
22.	Content beyond the syllabus – proof [234]	✓				
23.	Course end survey [4]	✓				
24.	Internal Assessment sheet [4]	✓				
25.	AU question paper with students feedback [5]	✓				
26.	Discrepancy of the question paper and correspondence, if any [5]	NA				
27.	AU result analysis-Details of arrear students. [5]	✓				
28.	AU grade sheet [5]	✓				
29.	CO – PO & PSO attainment sheet [5]	✓				
	Signature of Course handling faculty					
	Signature of HoD					

SARANATHAN COLLEGE OF ENGINEERING

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DEPARTMENT OF COMPUTERSCIENCE AND ENGINEERING

REVIEW OF COURSE FILE

ACADEMIC YEAR:2021-2022(EVEN)

SUB.CODE/SUB.NAME:CS8493-OPERATING SYSTEMS
YEAR / SEMESTER / SECTION: 2 / 4 / B
FACULTY NAME:G.ISWARIYA, AP/CSE

S.No.	Details	Review				
		1	2	3	4	5
	Date:	20.6.22				
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy [1]	✓				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities[1]	✓				
3.	Syllabus signed by staff & HoD[1]	✓				
4.	Lecture Schedule signed by staff & HoD[1]	✓				
5.	Course Committee meeting circular and minutes[1]	✓				
6.	Identification of Curricular gap and Content Beyond the syllabus[1]	✓				
7.	Previous AU Question papers (at least 5)[1]	✓				
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers[1]	✓				
9.	Unit wise course material [1]	✓				
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry [234]	✓				
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry [234]	NA				
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry[234]	✓				
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis. [234]	✓				
14.	Makeup Test –Q paper-Attendance-marks - sample answer papers[234]	✓				
15.	Remedial Test–Q paper-Attendance-marks - sample answer papers[234]	NA				
16.	AU Web portal entry sheet[234]	✓				
17.	Very poor performance in first two tests-action taken - communication to parents-evidence.[23]	✓				
18.	Absence for two tests-action taken-communication to parents-evidence. [23]	✓				
19.	Indiscipline of student reported, if any [234]	NA				
20.	Special class/coaching class/remedial class/attendance-CAP [234]	NA				
21.	Conduct of Seminar, Quizzes - proof[234]	✓				
22.	Content beyond the syllabus – proof [234]	✓				
23.	Course end survey [4]	✓				
24.	Internal Assessment sheet [4]	✓				
25.	AU question paper with students feedback [5]	✓				
26.	Discrepancy of the question paper and correspondence, if any [5]	✓				
27.	AU result analysis-Details of arrear students. [5]	NA				
28.	AU grade sheet [5]	NA				
29.	CO – PO & PSO attainment sheet [5]	NA				
	Signature of Course handling faculty					
	Signature of HoD					

Lecture Schedule

Degree/Program: **B.E / CSE** Course code &Name: CS8493-OPERATING SYSTEMS
Duration: **Mar 2022 – June 2022** Semester: I**V** Section**: A**
Faculty: J.SathiaParkavi

AIM

To introduce the students the need for different operating systems, how processing is done inside the processor and how files are stored in memory.

OBJECTIVES

1. To understand the basic concepts and functions of operating systems.
2. To understand Processes and Threads
3. To analyze Scheduling algorithms.
4. To understand the concept of Deadlocks.
5. To analyze various memory management schemes.
6. To understand I/O management and File systems.
7. To be familiar with the basics of Linux system and MobileOS like Ios and Android.

COURSE OUTCOMES: After the course, the student should be able to:

Course	Course Outcome	POs	PSOs
C214.1	Explain the basic concepts and functions of operating systems and discuss evolution and organization of operating systems	1,2,3	1,2,3
C214.2	Understand about Processes and Threads, their synchronization issues and analyze the various CPU scheduling algorithms	1,2,3	1,2,3
C214.3	Understand deadlock, prevention and avoidance algorithms.	1,2,3	1,2,3
C214.4	Compare and contrast various memory management schemes.	1,2,3	1,2,3
C214.5	Understand the functionality of file systems	1,2,3	1,2,3
C214.6	Perform administrative tasks on Linux Servers and Compare iOS and Android Operating Systems.	1,2,3	1,2,3

S.No	Date planned	Period	Topic Name	Books For reference	PageNo	Date Actual
UNITI			**OPERATINGSYSTEM OVERVIEW**			
1.	17-03-2022	1	ComputerSystemOverview-Basic Elements	T1	4	16-03-2022
2.	17-03-2022	1	InstructionExecution, interrupts	T1	8	16-03-2022
3.	21-03-2022	1	Memory Hierarchy, Cache Memory, DirectMemoryAccess	T1	11	17-03-2022
4.	21-03-2022	1	Multiprocessor and Multicore Organization	T1	14	21-03-2022
5.	22-03-2022	1	Operating system overview-objectives and functions	T1	5	22-03-2022
6.	22-03-2022	1	Evolution of Operating System.-Computer System Organization	T1	7	22-03-2022
7.	24-03-2022	1	Operating System Structure and Operations	T1	78-86	24-03-2022
8.	25-03-2022	1	SystemCalls, System Programs	T1	66-74	25-03-2022
9.	25-03-2022	1	OSGeneration and SystemBoot	T1	91-92	25-03-2022
UNITII			**OPERATINGSYSTEMS**			
S.No	**Date planned**	**Period**	**Topic Name**	**Books For reference**	**PageNo**	**Date Actual**
10.	28-03-2022	1	Processes-ProcessConceptProcessScheduling.	T1	105-110	28-03-2022
11.	28-03-2022	1	Operations on Processes, Inter-process Communication	T1	115-122	28-03-2022
12.	29-03-2022, 30-03-2022, 31-03-2022	3	CPU Scheduling – Scheduling criteria, Scheduling algorithms, Multiple-processor scheduling,Realtime scheduling	T1	261-283	29-03-2022,30-03-2022,31-03-2022
13.	04-04-2022	2	Threads-Overview, Multithreading models,Threading issues	T1	163-183	04-04-2022
14.	05-04-2022 07-04-2022	2	Process Synchronization – The critical-section problem, Synchronization hardware, Mutex locks	T1	203-212	05-04-2022 07-04-2022
15.	08-04-2022, 11-04-2022	2	Semaphores, Classic problems of synchronization, Critical regions, Monitors	T1	213-223	08-04-2022,11-04-2022
16.	12-04-2022, 13-04-2022	2	Deadlock - System model ,Deadlock characterization	T1	315-317	12-04-2022,13-04-2022
17.	18-04-2022, 19-04-2022	2	Methods for handling deadlocks, Deadlock prevention, Deadlock avoidance	T1	322-327	18-04-2022, 19-04-2022

18.	20-04-2022, 21-04-2022	2	Deadlock detection, Recovery from deadlock	T1	333-337	20-04-2022,21-4-2022
UNIT–III		**STORAGEMANAGEMENT**				**(9)**
S.No	**Date planned**	**Period**	**Topic Name**	**Books For reference**	**PageNo**	**Date Actual**
19.	23-04-2022	1	MainMemory–Background	T1	351-357	23-04-2022
20.	23-04-2022	1	Swapping, ContiguousMemory Allocation	T1	358-363	23-04-2022
21.	25-04-2022	1	Paging	T1	366-377	25-04-2022
22.	26-04-2022	1	Segmentation	T1	364-365	26-04-2022
23.	27-04-2022	1	Segmentation with paging, 32and64bitarchitecture	T1	383-387	26-04-2022
24.	29-04-2022	1	VirtualMemory–Background	T1	397-400	29-04-2022
25.	04-05-2022	1	Demand Paging,PageReplace ment,Allocation	T1	401-420	04-05-2022
26.	05-05-2022	1	Thrashing	T1	425-430	05-05-2022
27.	07-5-2022	1	Allocating Kernel Memory, OS Examples	T1	436-445	07-05-2022
UNITIV		**FILE SYSTEMS AND I/O SYSTEMS**				**(9)**
S.No	**Date planned**	**Period**	**TopicName**	**Books For reference**	**PageNo**	**Date Actual**
28.	09-05-2022	1	Mass Storage system – Overview of Mass Storage Structure	T1	467-469	09-05-2022
29.	10-05-2022	1	DiskStructure, DiskScheduling and Management	T1	470-478	09-05-2022, 10-05-2022
30.	13-05-2022	1	Swapspacemanagement	T1	482-483	13-05-2022
31.	14-05-2022	1	File-System Interface-File concept, Access methods, Directory Structure	T1	503-515	13-05-2022, 14-05-2022
32.	16-05-2022, 17-05-2022	1	Directory organization ,Filesystem mounting ,FileSharing and Protection	T1	526-533	16-05-2022, 17-05-2022
33.	18-05-2022	1	FileSystemImplementation-FileSystem Structure, Directoryimplementation	T1	543-552	18-05-2022
34.	20-05-2022	1	Allocation Methods, Free Space Management, Efficiency and Performance, Recovery	T1	553-568	20-05-2022
35.	24-05-2022	1	I/O Systems – I/O Hardware, ApplicationI/O interface	T1	24-05-2022	24-05-2022
36.	25-05-2022	1	Kernel I/O subsystem, Streams,Performance	T1	25-05-2022	25-05-2022

UNITV		CASESTUDY				(9)
S.No	**Date planned**	**Period**	TopicName	**Books For reference**	**PageNo**	**Date Actual**
37.	27-05-2022	1	LinuxSystem-DesignPrinciples	T1	781-786	27-05-2022
38.	30-05-2022	1	KernelModules	T1	789-791	30-05-2022
39.	01-06-2022	1	ProcessManagement,Scheduling	T1	792-799	01-06-2022
40.	02-06-2022	1	MemoryManagement	T1	800-808	02-06-2022
41.	06-06-2022	1	Input-OutputManagement	T1	815-817	06-06-2022
42.	07-06-2022	1	File System, Inter-processCommunication	T1	809-818	07-06-2022
43.	09-06-2022	1	MobileOS-IOSand AndroidArchitecture	W1		09-06-2022
44.	11-06-2022	1	SDKFramework, MediaLayer	W2		11-06-2022
45.	13-06-2022	1	ServicesLayer, CoreOSLayer, FileSystem	W3		13-06-2022

TEXTBOOK:

T1. AbrahamSilberschatz,PeterBaerGalvinandGregGagne,―OperatingSystemConcepts‖,9thEdition,JohnWileyand Sons Inc.,2012.

REFERENCES:

R1.RamazElmasri,A.GilCarrick,DavidLevine,―OperatingSystems– ASpiralApproach‖,TataMcGrawHillEdition,2010

R2.AchyutS.Godbole,AtulKahate,―OperatingSystems‖,McGrawHillEducation,2016

R3.AndrewS.Tanenbaum,―ModernOperatingSystems‖,SecondEdition,PearsonEducation,2004

R4. GaryNutt,―OperatingSystems‖, ThirdEdition, PearsonEducation, 2004

R5.HarveyM.Deitel,―OperatingSystems‖,ThirdEdition,PearsonEducation,2004

R6. Daniel P Bovet and Marco Cesati, ―Understanding the Linux kernel‖, 3rd edition, O'Reilly, 2005**R7**.NeilSmyth,―iPhone iOS4DevelopmentEssentials –Xcode‖,FourthEdition,Payload media,2011

WEBRESOURCES

W1: https://www.webopedia.com/DidYouKnow/Hardware_Software/mobile-operating-systems-mobile-os-explained.html(TOPIC NO:43)

W2:https://www.techotopia.com/index.php/IOS_6_Architecture_and_SDK_Frameworks (TOPICNO:44)

W3:https://developer.apple.com/library/archive/documentation/MacOSX/Conceptual/OSX_Technology_ Overview/CoreOSLayer/CoreOSLayer.html (TOPICNO:45)

TEACHING METHODOLOGIES:

- BB -BLACKBOARD
- VIDEO -VIDEOTUTORIAL
- PPT -POWERPOINTPRESENTATION

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C310.1	3	3	3	-	-	-	-	-	-	-	-	-	3	3	3
C310.2	3	3	3	-	-	-	-	-	-	-	-	-	3	3	3
C310.3	3	3	3	-	-	-	-	-	-	-	-	-	3	3	3
C310.4	3	3	3	-	-	-	-	-	-	-	-	-	3	3	3
C310.5	3	3	3	-	-	-	-	-	-	-	-	-	3	3	3
C310.6	3	3	3	-	-	-	-	-	-	-	-	-	3	3	3
C310.1	3	3	3	-	-	-	-	-	-	-	-	-	3	3	3

PREPARED BY

J.SATHIAPARKAVI,AP/CSE

VERIFIEDBY

HOD/CSE

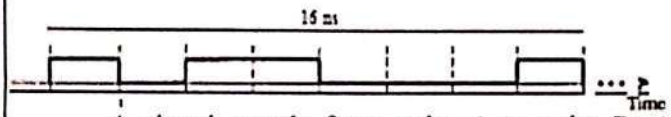
SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Assignment No:1			Dateof Issue:	7-09-2021	Marks	10
Course code	CS8591	Course Title	Computer Networks			
Academic Year (Odd/Even)	2021-22 (Odd)	Year /Semester/Section	III/V/B	Dateof Submission:	11-09-21	

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Questions	CO	Blooms Taxonomy
Given the frequencies listed below, calculate the corresponding periods. a. 24Hz b. 8 MHz c. 140 KHz	C302.1	U
Given the following periods, calculate the corresponding frequencies. a. 5 s b. 12 micro sec c. 220 ns 3 .		U
what is the bit rate of the following signal 		A
A signal travels from point A to point B. At point A, the signal power is 100 W. At point B, the power is 90 W. What is the attenuation in decibels?		
The attenuation of a signal is -10 dB. What is the final signal power if it was originally 5 W?		U
If the bandwidth of the channel is 5 Kbps, how long does it take to send a frame of 100,000 bits out of this device?		A
A line has a signal-to-noise ratio of 1000 and a bandwidth of 4000 KHz. What is the maximum data rate supported by this line?		U
How many bits can fit on a link with a 2 ms delay if the bandwidth of the link is a. 1 Mbps? b. 10 Mbps?		A

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100 Mbps?		
What is the total delay (latency) for a frame of size 5 million bits that is being sent on a link with 10 routers each having a queuing time of 2 Ils and a processing time of 1 Ils. The length of the link is 2000 Km. The speed of light inside the link is 2 x 108 mls. The link has a bandwidth of 5 Mbps. Which component of the total delay is dominant?		A
A file contains 2 million bytes. How long does it take to download this file using a 56-Kbps channel? 1-Mbps channel?		A
A signal with 200 milliwatts power passes through 10 devices, each with an average noise of 2 microwatts. What is the SNR? What is the SNRdB?		A
The loss in a cable is usually defined in decibels per kilometer (dB/km). If the signal at the beginning of a cable with -0.3 dBlkm has a power of 2 mW, what is the power of the signal at 5 km?		A
Suppose a signal travels through a transmission medium and its power is reduced to one-half. This means that P2 = ~ PI' In this case, the attenuation (loss of power) can be calculated as:....		A
A signal travels through an amplifier, and its power is increased 10 times. This means that Pz=10PI' In this , the amplification (gain of power) can be calculated as:.....		A

7/9/21

Name and Signature of the Faculty in charge

S. VENKATASUBRAMANIAN

4/9/21

HoD/CSE

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Saranathan College of Engineering

Department of Computer Science & Engineering

Rubrics for Assignment Evaluation

Rubric Components	Level 1	Level 2	Level 3
Content (6)	The content is common or partly relevant (0-2)	The content is precise but normal (3-4)	The content is precise and novel (5-6) 6
Submission of Assignment (2)	Submitted but overdue (0-1)		Submitted on date (2) 1
Presentation (2)	Presentation is not clear (0)	Presentation is neat but not clear (1)	Presentation is neat and structured (2) 1
Student's Score (10)	(0 – 3)	(4 – 6)	(9 – 10) 8/10

Signature of Faculty -In charge

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S. Thiyagarajan.
221111.
813819104111

CS8591
Computer Network.

6+1+1=8

8/10

physical Layer Assignment.

8 6/10/2021
late submission

1) Given F, calculate T.

Formula $T = 1/F$.

a) $T = 1/2H = 0.04 s$

b) $T = \frac{1}{8 \times 10^6} = 0.125 \times 10^{-6}$ S.

c) $T = \frac{1}{140 \times 10^4} = 0.007 \times 10^{-4}$ S.

2) Given T, Calculate F.

Formula $F = 1/T$.

a) $F = 1/5 = 0.2$ Hz

b) $F = \frac{1}{12 \times 10^{-6}} = 0.083 \times 10^6$ Hz.

c) $F = \frac{1}{220 \times 10^{-9}} = 0.004 \times 10^9$ Hz.

3) bit rate = bits / bit duration.

a) $\Rightarrow \frac{1}{0.001}$ s $= 100$ bps.

b) $= \frac{1}{2 ms} = 500$ bps

c) $1/\left(\frac{20 \mu s}{10}\right) = 500 \times 10^3$ bps.

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4) a) $10/1000 = 0.01\ S$

b) $8/1000 = 0.00\ S$

c) $10^5 \times \frac{8}{1000} = 800\ S.$

5) Bits = 8

duration = 16 nS

$$= \frac{8}{16 \times 10^{-9}}$$

$$= 1/2 \times 10^9$$

$$= 0.5 \times 10^9$$

$$= 500\ Mbps$$

6) $d = 10 \log_{10} (90/100)$

$= 10 \log_{10} (0.9)$

$= 10 \times (-0.046)$

$= -0.046\ dB$

7) $-10 = 10 \log_{10} (x/5)$

$\log_{10} (x/5) = -1$

$x/5 = 10^{-1}$

$x/5 = 0.1$

$x = 0.5\ \omega.$

8) $100000/5$

$= 20$ seconds.

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$4000 \times \log_2 (1/1000)$

$\Rightarrow 4000 \times \log_2 (0.001)$

$\Rightarrow 4000 \times (-9.96)$

$= -39840$ bps.

No. of bits = Bandwidth x time delay.

a) 1 Mbps x 2 ms = 2000 bits

b) 10 Mbps x 2 ms = 20,000 bits

c) 100 Mbps x 2 ms = 2,00,000 bits.

Latency = $T_{(processing)} + T_{(queueing)} + T_{(transmission)} + T_{(propagation)}$

$= 10 \times 1\,\mu s \times 20 \times 1\,\mu s + (5 \times \frac{10^6}{5}) + (200/2 \times 10^8)$

$= 10\,\mu s + 20\,\mu s + 1\,sec + 0.01\,s$

$= 1.01003\ s$

Transmission time is dominant.

12) bit count = 16×10^6 bits.

56 Kpbs channel = $\frac{16 \times 10^6}{56 \times 10^3} = 0.289 \times 10^3 = 289$ seconds

1 Mbps channel = $\frac{16 \times 10^6}{10^6} = 16$ seconds.

13) SNR (per device) = $\frac{200 \text{ milli watt}}{2 \text{ micro watt}} = \frac{0.2}{2 \times 10^{-6} \times 10} = 10^4$

SNR dB = $10 \log_{10} (10^4)$

$= 4 \times 10$

$= 40$ db

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14) loss = 5 x (-0.3) = -1.5 dB

Attenuation = $10 \log_{10} (P_o/P_i)$

$-1.5 = 10 \log_{10} (x/2mw)$

$-0.15 = \log_{10} (x/2mw)$

$10^{-0.15} = \frac{x}{2mw}$

$x = 2mw \times 10^{-0.15}$

$= 2mw \times 0.707$

$= 1.414$ mw.

15) Attenuation $= 10 \log_{10} (P_i/P_o)$

$= 10 \log_{10} \left(\frac{1 P_i}{2 P_i} \right)$

$= 10 \log_{10} (0.5)$

$= 10 \times (-0.301)$

$= -3.01$ dB.

16) Amplification $= 10 \log_{10} (P_i/P_o)$

$= 10 \log_{10} \left(10 \frac{P_i}{P_i} \right)$

$= 10 \log_{10} (10)$

$= 10$ dB.

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SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Assignment No:1			Dateof Issue:	6.5.2022	Marks	10
Course code	CS8493	Course Title	OPERATING SYSTEMS			
Academic Year (Odd/Even)	2021-2022(EVEN)	Year /Semester/Section	II/IV/A	Dateof Submission:	8.5.2022	

Q.No	Questions	CO	Blooms Taxonomy
	CPU SCHEDULING PROBLEMS (QP ATTACHED)	C214.2	U & AZ

J. Sathya Pavkavi

Name and Signature of the Faculty in charge

(J. Sathya Pavkavi)

HoD/CSE

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SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CS8493 OPERATING SYSTEMS

ASSIGNMENT -1

1. Consider the four processes in a system. All process arrive at time 0ms in the order given below

Process	Arrival Time	Burst Time	Priority
P1	0	8	2
P2	0	6	1
P3	0	5	3
P4	0	3	1

(i) Draw the Gantt chart for FCFS scheduling, SJF Non preemptive ,Priority and Roundrobin scheduling (Timequantum = 3ms)

(ii) Calculate the average waiting time and turn around time

2. Consider the four processes in a system. All process arrive at different time in the order given below

Process	Arrival Time	Burst Time
P1	0	5
P2	1	6
P3	2	3
P4	3	1
P5	4	5
P6	6	4

(i) Draw the Gantt chart for FCFS,SJF preemptive scheduling

(ii) Calculate the average waiting time and turn around time?

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3. Explain the various CPU scheduling techniques with Gantt charts indicated by

Process	Arrival Time	Burst Time
A	0	4
B	2	7
C	2	2
D	3	2

(i) Compute the average waiting time and turn around time using FCFS,SJF,SRTF,RR with time quantum 2 ms respectively

4. Assume the following workload in a system.All process arrive at time 0 in the order given

Process	Burst Time	priority
A	8	5
B	4	1
C	5	4
D	2	2
E	1	3

(i) Draw the Gantt chart priority scheduling & Calculate the average waiting time and turn around time.

5. Define Throughput, Waiting time, Turnaround time and response time.
6. Mention the criteria involved for scheduling a process in CPU?
7. Differentiate between multilevel queue and multilevel feedback queue scheduling algorithm?

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Saranathan College of Engineering

Department of Computer Science & Engineering

Rubrics for Assignment Evaluation

Rubric Components	Level 1	Level 2	Level 3
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Student's Score (10)	(0 – 3)	(4 – 6)	(9 – 10)
			10/10

J. S Muthulakshmi

Signature of Faculty -In charge

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CS8493: OPERATING SYSTEM

ASSIGNMENT - 1

APARNA GAYATHRI. N
231011
II - CSE - A

8/9/6

Consider the four processes in a system. All process arrive at time 0 ms in the order given below.

10
10

Process	Arrival time	Burst time	Priority
P_1	0	8	2
P_2	0	6	1
P_3	0	5	3
P_4	0	3	1

6+2+2=10

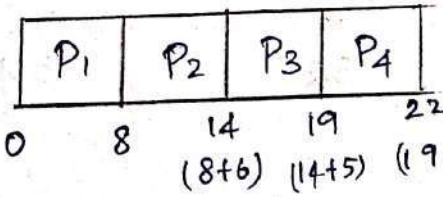
i) Draw the Gantt chart for FCFS scheduling, SJF Non-preemptive, priority and Roundrobin scheduling (Time quantum = 3ms)

ii) Calculate the average waiting and turn around time.

FCFS scheduling:

Process	Arrival time	Burst time	Waiting time	Turn around time
P_1	0	8	0	8+0=8
P_2	0	6	8	6+8=14
P_3	0	5	14	14+5=19
P_4	0	3	19	19+3=22
		Total	41 ms	63 ms

Gantt chart:



Average waiting time = $\frac{41}{4}$ = 10.25 ms

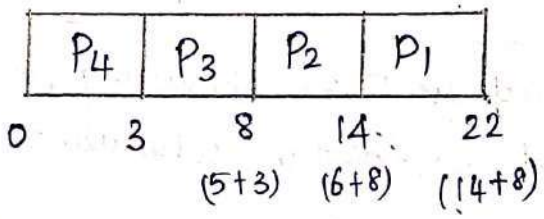
Average Turnaround time = $\frac{63}{4}$ = 15.75 ms

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SJF scheduling:

Process	Arrival time	Burst time	Waiting time	Turn around time
P_1	0	8	14	22
P_2	0	6	8	14
P_3	0	5	3	8
P_4	0	3	0	3
		Total	25 ms	47 ms

Gantt chart:



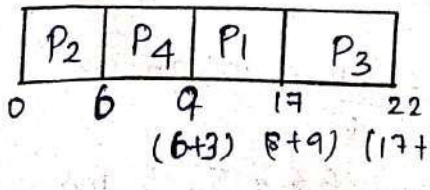
Average waiting time = $\frac{25}{4}$ = 6.25 ms.

Average turn around time = $\frac{47}{4}$ = 11.75 ms

Priority scheduling

Process	Burst time	Priority	Waiting time	Turn around time
P_1	8	2	9	17
P_2	6	1	0	6
P_3	5	3	17	22
P_4	3	1	6	9
		Total	32	54

Gantt chart:



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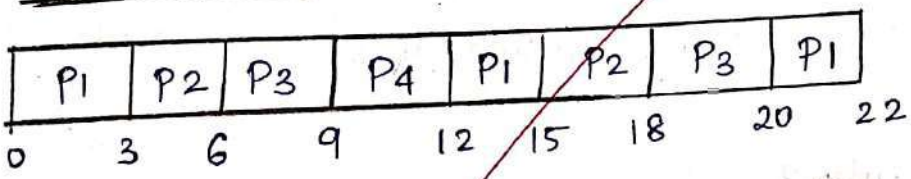
Average waiting time = 8 ms

Average turn around time = $\frac{54}{4}$ = 13.5 ms

Round Robin scheduling:

Process	Burst time	Waiting time	Turnaround time
P_1	8 5 2	14	22
P_2	6 3 0	12	18
P_3	5 2 0	15	20
P_4	3 0	9 ms	12

Gantt chart: Quantum time = 3 ms.



Waiting time of P_1 = 20 − 3 − 3 = 14 ms

Waiting time of P_2 = 15 − 3 = 12 ms

Waiting time of P_3 = 18 − 3 = 15 ms

Waiting time of P_4 = 9 − 0 = 9 ms

50 ms

Average waiting time = $\frac{50}{4}$ = 12.5 ms

Average turnaround time = $\frac{72}{4}$ = 18 ms

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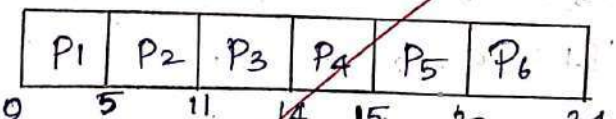
Consider the 6 process[illegible] arrive at different time in the order given below.

Process	Arrival time	Burst time
P_1	0	5
P_2	1	6
P_3	2	3
P_4	3	1
P_5	4	5
P_6	6	4

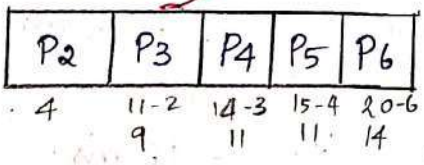
i) Draw Gantt chart for FCFS, SJF preemptive scheduling
ii) calculate the average waiting time and turn around time.

FCFS scheduling:

Gantt chart:



Ready queue



Process	Arrival time	Burst time	Waiting time	Turn around time
P_1	0	5	0	5
P_2	1	6	5-1=4	10
P_3	2	3	9	12
P_4	3	1	11	12
P_5	4	5	11	16
P_6	6	4	14	18

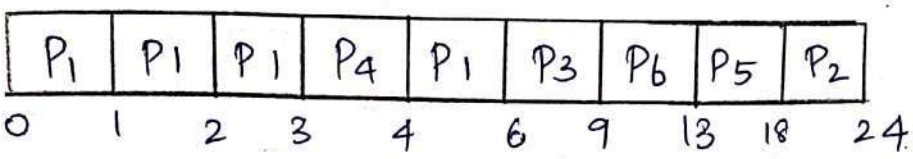
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Average waiting time $= \frac{49}{6} = 8.1667$ ms

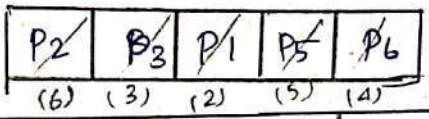
Average Turn around time $= \frac{73}{6} = 12.1667$ ms

SJF scheduling:

Gantt chart



Ready queue:



Process	Burst time	Arrival time	Waiting time	Turn around time
P_1	5	0	4 - 3 = 1	6
P_2	6	1	18 - 1 = 17	23
P_3	3	2	6 - 2 = 4	7
P_4	1	3	3 - 3 = 0	1
P_5	5	4	13 - 4 = 9	14
P_6	4	6	9 - 6 = 3	7
		Total	34	58

Average waiting time $= \frac{34}{6} = 5.6667$ ms

Average turn around time $= \frac{58}{6} = 9.6667$ ms.

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3. Explain the various CPU scheduling techniques wit Gantt charts indicated by

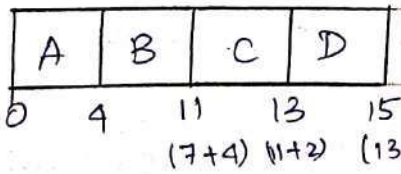
Process	Arrival time	Burst time
A	0	4 2
B	2	7
C	2	2
D	3	2

Compute the average waiting time and turn around time using FCFS, SJF, SRJF, RR with time quantum 2 respectively.

FCFS scheduling:

Process	Arrival time	Burst time	Waiting time	Turn around time.
A	0	4	0	4
B	2	7	4-2 = 2	9
C	2	2	11 - 2 = 9	11
D	3	2	13 - 3 = 10	12
		Total	21 ms	36 ms

Gantt chart:



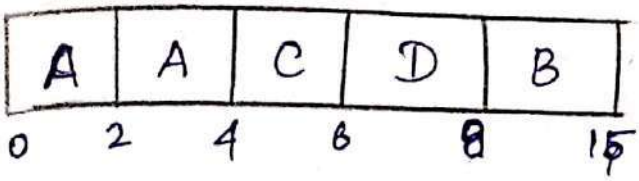
Average waiting time = $\frac{21}{4}$ = 5.25 ms

Average turn around time = $\frac{36}{4}$ = 9 ms.

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SRJF scheduling:

Gantt chart



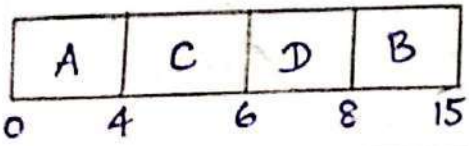
Process	Arrival time	Burst time	Waiting time	Turn around time.
A	0	4	0	4
B	2	7	8-2 = 6	13
C	2	2	4-2 = 2	4
D	3	2	6-3 = 3	5
		Total	11	26

Average waiting time = $\frac{11}{4}$ = 8.75 ms

Average turn around time = $\frac{26}{4}$ = 6.5 ms.

SJF scheduling:

Gantt chart



Process	Arrival time	Burst time	Waiting time	Turn around time
A	0	4	0	4
B	2	7	6	13
C	2	2	2	4
D	3	2	3	5
		Total	11	26

Average waiting time = 2.75 ms

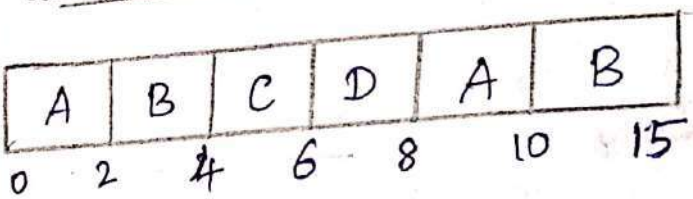
Average Turn around time = 6.5 ms.

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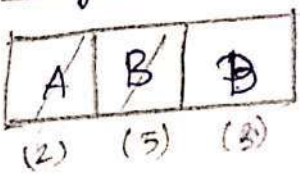
Round Robin scheduling

Time quantum = 2 ms.

Gantt chart:



Ready queue:



Process	Arrival time	Burst time	Waiting time	Turnaround time
A	0	4	8-2 = 6	10
B	2	7	10-2-2 = 6	15
C	2	2	4-2 = 2	4
D	3	2	6-3 = 3	5
		Total	17 ms	34 ms

Average waiting time = 4.25 ms

Average turn around time = 8.5 ms.

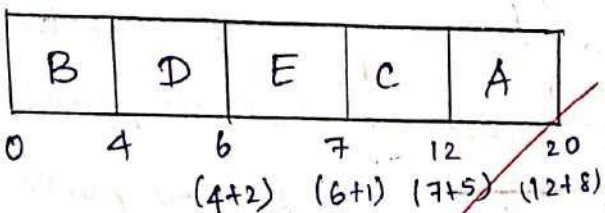
Draw the gantt chart priority scheduling. All proces arrives at time 0 in the order given.

Calculate the average waiting time and turn around time.

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Process	Burst Time	Priority	Waiting time	Turnaround time
A	8	5	12	20
B	4	1	0	4
C	5	4	7	12
D	2	2	4	6
E	1	3	6	7
		Total	29 ms	49 ms

Gantt chart:



Average waiting time = $\frac{29}{5}$ = 5.8 ms

Average turn around time = $\frac{49}{5}$ = 9.8 ms

Define Throughput, Waiting time, turn around time and response time.

Throughput:

The number of process completed per unit of time is called throughput.

Waiting time:

The sum of periods spent by the process waiting in ready queue is called waiting time.

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Turn around time :

It is the interval from time of submission of a process to the time of completion. It is given by sum of periods spent waiting to get into memory waiting in ready queue, execution on CPU and doing I/o.

Turnaround time = Waiting time + Burst time.

Response time :

It's a measure of time from the submission of a request until the first response is produced. The amount of time it takes to start responding but not the time it takes to output the response.

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6. Mention the criteria involved for scheduling a process in CPU?

Scheduling Criteria :

i) CPU utilization - Full utilization of CPU time.
ii) Throughput.
iii) Waiting time
iv) Turn around time
v) Response time.

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Difference between multilevel queue and multilevel feedback queue scheduling algorithm?

Multi-level queue scheduling	Multilevel feedback queue scheduling
i) Process are easily classified into different groups of common division is made between foreground process and background process.	i) This allows the process to move between queue. It seperate process according to the characteristics of the CPU burst.
ii) Algorithm required to schedule process is less complex and inflexiable.	ii) Algorithm required to scheduled processes in multilevel feedback is more complex and flexible.
iii) Various process cannot move between different sub queues.	iii) Various processes in different sub-queues can move between different queues.
iv) Same processes may starve for CPU if some higher priority queues are never becoming empty.	iv) There is no problem of starvation as the process that waits too long in lower priority queue may be moved to at higher priority queue.
v) It is both preemptive and non-preemptive in nature.	v) It is non-preemptive in nature.

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SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University)
Department of Computer Science and Engineering
(Accredited by NBA)

Lab Plan

Date: 16-09-2021

Degree/Program: **B.E / CSE** Course Code & Name: CS8711 – Cloud Computing Laboratory
Duration: July 2021 - Nov 2021 Semester: VII Section: A Faculty: A.T.Barani Vijaya Kumar

AIM

The objective of cloud computing lab is to learn the cloud architecture and its efficiency, and tools to provide virtualization on cloud. The lab enables the study and implementation of infrastructure as a service, storage as a service, and user management on cloud. The Cloud Computing Lab will provide the students with access to virtual machines running various operating systems and applications. The only necessary requirement is a computer with internet access. This removes providing capable hardware or financial burden from the students. Open scheduling and high availability of learning platforms will accommodate varying student schedules from traditional to non traditional.

Title: CLOUD COMPUTING LABORATORY, Subject Code:CS8711

COURSE OUTCOMES

At the end of this course, Student will be able to

Course Code	Course outcome Description
C407.1	Configure various virtualization tools such as Virtual Box, VMware workstation.
C407.2	Design and deploy a web application in a PaaS environment.
C407.3	Learn how to simulate a cloud environment to implementnew schedulers
C407.4	Design of File transfer between vM's.
C407.5	Install and use a generic cloud environment that can be used as a private cloud
C407.6	Manipulate large data sets in a parallel environment

S.No	Date of Instruction	Date Planned	Period no	List of Experiments	Date Actual
1	06.09.2021	06.09.2021	3	Install VirtualBox/VMware workstation with ubuntu OS on top of windows	06.09.2021
2	06.09.2021	06.09.2021	3	Install a C compiler in the virtual machine and execute a simple program	06.09.2021

3	**07.09.2021**	**07.09.2021**	**3**	**Transfer the files from one virtual machine to another virtual machine**	**07.09.2021**
4	**08.09.2021**	**08.09.2021**	**3**	**Installation of Google App Engine**	**08.09.2021**
5	**13.09.2021**	**13.09.2021**	**3**	**Launch a web application using GAE launcher**	**13.09.2021**
6	**14.09.2021**	**14.09.2021**	**3**	**Install Hadoop single node cluster and run simple applications**	**14.09.2021**
7	**15.09.2021**	**15.09.2021**	**3**	**Simulate a cloud scenario using CloudSim and run a scheduling algorithm**	**15.09.2021**
8	**16.09.2021**	**16.09.2021**	**3**	**Launch virtual machine using trystack (Online Openstack Demo Version)**	**16.09.2021**

Faculty Incharge

HoD/CSE

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 6.1.2022

Ref : SCE/Syllabus/ Theory/2021-22 -Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Object Oriented Analysis & Design, code CS 8592 for III year, V semester, department of CSE B.E/B.Tech/MBA during the academic year 2021 – 22, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 50 periods, revised syllabus for 5 periods and discussed the Anna University Examination question papers of the last 5 years.

Signature : J. Sathia

Name : J. Sathia Parkavi

Designation : Asst. Professor

Department : CSE

Date : 6.1.2022

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 6.1.2022

Ref : SCE/Syllabus/Laboratory/2021-22-Odd sem/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	: J. Sathiya	Signature	:
Name	: J. Sathia Parkavi	Name	:
Designation	: Asst. Professor	Designation	:
Department	: CSE		
Signature of HoD	:		
Principal	:		

Note: List of the students who have not got bonafide, if any, to be enclosed.

CS8582 OBJECT ORIENTED ANALYSIS AND DESIGN LABORATORY L T P C

0 0 4 2

OBJECTIVES:

- To capture the requirements specification for an intended software system
- To draw the UML diagrams for the given specification
- To map the design properly to code
- To test the software system thoroughly for all scenarios
- To improve the design by applying appropriate design patterns.

Draw standard UML diagrams using an UML modeling tool for a given case study and map design to code and implement a 3 layered architecture. Test the developed code and validate whether the SRS is satisfied.

1. Identify a software system that needs to be developed.
2. Document the Software Requirements Specification (SRS) for the identified system.
3. Identify use cases and develop the Use Case model.
4. Identify the conceptual classes and develop a Domain Model and also derive a Class Diagram from that.
5. Using the identified scenarios, find the interaction between objects and represent them using UML Sequence and Collaboration Diagrams
6. Draw relevant State Chart and Activity Diagrams for the same system.
7. Implement the system as per the detailed design
8. Test the software system for all the scenarios identified as per the usecase diagram
9. Improve the reusability and maintainability of the software system by applying appropriate design patterns.
10. Implement the modified system and test it for various scenarios

SUGGESTED DOMAINS FOR MINI-PROJECT:

1. Passport automation system.
2. Book bank
3. Exam registration
4. Stock maintenance system.
5. Online course reservation system
6. Airline/Railway reservation system
7. Software personnel management system
8. Credit card processing
9. e-book management system

10. Recruitment system
11. Foreign trading system
12. Conference management system
13. BPO management system
14. Library management system
15. Student information system

TOTAL: 60 PERIODS

OUTCOMES:

Upon completion of this course, the students will be able to:

- Perform OO analysis and design for a given problem specification.
- Identify and map basic software requirements in UML mapping.
- Improve the software quality using design patterns and to explain the rationale behind applying specific design patterns
- Test the compliance of the software with the SRS.

HARDWARE REQUIREMENTS

Standard PC

SOFTWARE REQUIREMENTS

1. Windows 7 or higher
2. ArgoUML that supports UML 1.4 and higher
3. Selenium, JUnit or Apache JMeter





SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 16/6/2022

Ref : SCE/Syllabus/ Theory/2021 to 2022 - Even semester

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Operating Systems , code CS8493 for II year, IV semester, department of CSE B.E/B.Tech/MBA during the academic year 2021-2022, even semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 45 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 5 years.

Signature : J. Sathiaparkavi

Name : J. SATHIAPARKAVI

Designation : ASST. PROFESSOR

Department : CSE

Date : 16.6.2022

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 16/6/2022

Ref : SCE/Syllabus/Laboratory/2021-2022/Even semester/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	J. Sathiya	Signature	:
Name	:	J. SATHIA PARKAVI	Name	:
Designation	:	ASST. PROFESSOR	Designation	:
Department	:	CSE		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

CS8461 **OPERATING SYSTEMS LABORATORY** **L T P C**

0 0 4 2

OBJECTIVES

- To learn Unix commands and shell programming
- To implement various CPU Scheduling Algorithms
- To implement Process Creation and Inter Process Communication.
- To implement Deadlock Avoidance and Deadlock Detection Algorithms
- To implement Page Replacement Algorithms
- To implement File Organization and File Allocation Strategies
-

LIST OF EXPERIMENTS

1. Basics of UNIX commands
2. Write programs using the following system calls of UNIX operating system fork, exec, getpid, exit, wait, close, stat, opendir, readdir
3. Write C programs to simulate UNIX commands like cp, ls, grep, etc.
4. Shell Programming
5. Write C programs to implement the various CPU Scheduling Algorithms
6. Implementation of Semaphores
7. Implementation of Shared memory and IPC
8. Bankers Algorithm for Deadlock Avoidance
9. Implementation of Deadlock Detection Algorithm
10. Write C program to implement Threading & Synchronization Applications
11. Implementation of the following Memory Allocation Methods for fixed partition
    a) First Fit b) Worst Fit c) Best Fit
12. Implementation of Paging Technique of Memory Management
13. Implementation of the following Page Replacement Algorithms
    a) FIFO b) LRU c) LFU
14. Implementation of the various File Organization Techniques
15. Implementation of the following File Allocation Strategies
    a) Sequential b) Indexed c) Linked

TOTAL: 60 PERIODS

OUTCOMES:

At the end of the course, the student should be able to

- Compare the performance of various CPU Scheduling Algorithms
- Implement Deadlock avoidance and Detection Algorithms
- Implement Semaphores
- Create processes and implement IPC
- Analyze the performance of the various Page Replacement Algorithms
- Implement File Organization and File Allocation Strategies





Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CSE Month&Year: 1ST FEEDBACK Academic Year :2021-22ODD

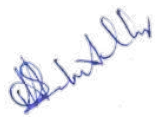
S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	arunprasad-cse	AID-A/1	65	GE3151/Problem Solving And Python Programming	14.08	14.03	7.43	11.15	11.19	11.08	3.68	5.48	7.43	7.51	93.06
2	veeyes	CIVIL-A/1	25	GE3151/Problem Solving And Python Programming	12.96	12.24	6.53	9.98	9.60	9.50	3.20	4.80	6.40	6.59	81.81
3	mohankumar-cse	CSE-A/1	61	GE3151/Problem Solving And Python Programming	13.33	13.13	6.53	9.25	9.56	9.95	2.79	4.76	6.22	6.77	82.29
4	barani-cse	CSE-A/3	43	CS8351/Digital Principles And System Design	14.02	13.81	6.96	11.00	10.38	11.00	3.59	5.39	7.33	7.52	90.99
5	thillai-cse	CSE-A/3	46	CS8391/Data Structures	13.43	13.70	6.50	10.38	9.97	10.49	3.36	5.17	7.20	7.17	87.36
6	chandrasekaran-cse	CSE-A/3	44	CS8392/Object Oriented Programming	14.66	14.25	7.35	11.56	11.62	11.40	3.87	5.70	7.53	7.53	95.46
7	senthamilselvi-cse	CSE-A/5	30	CS8501/Theory Of Computation	13.90	13.90	7.36	11.20	10.80	10.88	3.76	5.52	7.47	7.36	92.15
8	dineshkumar-cse	CSE-A/5	29	CS8591/Computer Networks	13.97	13.76	7.34	11.09	10.92	10.84	3.78	5.63	7.50	7.39	92.22
9	mary-cse	CSE-A/5	28	CS8592/Object Oriented Analysis And Design	13.50	13.50	7.20	10.71	10.37	10.63	3.51	5.49	7.31	7.49	89.71
10	lakshmikanthan-cse	CSE-A/5	30	OCE552/Geographic Information System	13.70	13.60	7.20	10.64	11.04	10.88	3.65	5.36	7.31	7.36	90.74
11	aravind-cse	CSE-A/7	28	CS8083/Multi Core Architecture	11.36	11.79	5.94	9.09	9.34	9.17	3.09	4.50	6.29	4.63	75.19

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12	barani-cse	CSE-A/7	28	CS8791/Cloud Computing	11.68	11.36	5.71	8.83	8.66	8.66	2.89	4.54	6.23	6.29	74.84
13	lakshmikanthan-cse	CSE-A/7	27	CS8792/Cryptography And Network Security	11.67	11.56	5.69	9.42	8.44	9.07	2.96	4.62	6.22	6.10	75.76
14	parkavi-cse	CSE-A/7	26	IT8075/Software Project Management	11.88	11.31	6.22	9.69	8.95	9.51	3.23	4.57	6.03	6.15	77.55
15	chandrasekaran-cse	CSE-A/7	27	OBM752/Hospital Management	11.56	11.67	6.28	9.96	8.89	9.60	3.23	4.53	6.28	6.28	78.27
16	karthik-cse	CSE-B/1	63	GE3151/Problem Solving And Python Programming	14.71	14.62	7.67	11.12	11.20	11.24	3.75	5.64	7.57	7.72	95.24
17	iswarya-cse	CSE-B/3	54	CS8351/Digital Principles And System Design	12.94	12.72	6.81	10.58	10.18	10.36	3.66	5.38	7.14	7.02	86.79
18	karthik-cse	CSE-B/3	57	CS8391/Data Structures	13.63	13.47	7.02	10.65	10.57	10.95	3.47	5.35	7.07	7.33	89.51
19	mohana-cse	CSE-B/3	54	CS8392/Object Oriented Programming	13.22	13.33	6.64	10.31	10.00	10.44	3.42	5.24	6.90	6.81	86.33
20	thillai-cse	CSE-B/5	44	CS8501/Theory Of Computation	12.89	13.09	6.11	9.27	9.44	10.15	3.15	4.94	6.84	6.91	82.77
21	veeyes	CSE-B/5	52	CS8591/Computer Networks	13.38	13.67	6.43	9.83	10.80	10.43	3.18	5.28	7.14	7.23	87.39
22	parkavi-cse	CSE-B/5	17	CS8592/Object Oriented Analysis And Design	12.18	12.18	6.78	10.16	9.46	9.60	3.34	5.22	6.49	6.96	82.38
23	gomathi-cse	CSE-B/5	47	OCE552/Geographic Information System	11.94	11.68	6.26	9.65	9.55	9.55	3.32	4.93	6.47	6.20	79.54
24	hema-cse	CSE-B/7	53	CS8083/Multi Core Architecture	12.00	12.11	6.19	9.46	9.24	9.42	2.96	4.82	6.49	6.49	79.18
25	senthamilselvi-cse	CSE-B/7	52	CS8791/Cloud Computing	12.87	12.63	6.68	10.15	10.06	10.11	3.38	5.01	6.80	6.89	84.58
26	sranjani-cse	CSE-B/7	57	CS8792/Cryptography And Network Security	12.37	12.42	6.96	10.36	9.73	9.98	3.41	5.18	6.88	6.88	84.16
27	gomathi-cse	CSE-B/7	52	IT8075/Software Project Management	11.83	11.88	6.40	9.51	9.37	9.55	3.25	4.96	6.52	6.58	79.86
28	rajarajeswari-cse	CSE-B/7	51	OBM752/Hospital Management	13.00	13.24	7.00	10.45	10.64	10.31	3.55	5.32	7.09	6.90	87.47
29	dineshkumar-cse	ECE-A/1	64	GE3151/Problem Solving And Python Programming	14.25	14.20	7.20	10.91	11.18	10.95	3.70	5.64	7.47	7.57	93.08

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30	iswarya-cse	ECE-A/3	46	EC8393/Fundamentals Of Data Structures In C	14.15	13.76	7.13	11.06	10.80	10.85	3.70	5.56	7.48	7.27	91.77
31	hema-cse	ECE-B/1	60	GE3151/Problem Solving And Python Programming	13.10	12.90	6.77	9.44	9.28	9.92	3.17	5.10	6.56	7.12	83.37
32	sathiskumar-cse	ECE-B/3	42	EC8393/Fundamentals Of Data Structures In C	12.36	11.86	6.25	9.43	9.49	9.26	3.20	4.80	6.48	5.33	78.44
33	sranjani-cse	EEE-A/1	50	GE3151/Problem Solving And Python Programming	13.02	12.96	7.07	10.22	9.31	10.22	3.52	5.14	6.66	6.78	84.91
34	boobala-cse	EEE-A/5	26	CS8392/Object Oriented Programming	12.69	12.46	6.83	10.25	10.06	10.15	3.32	4.98	6.77	7.02	84.54
35	priyanga-cse	EEE-A/7	27	OCS752/Introduction To C Programming	10.78	10.67	5.63	8.44	7.38	8.27	2.76	4.58	6.16	5.75	70.41
36	boobala-cse	EEE-B/5	19	CS8392/Object Oriented Programming	13.26	13.11	6.91	10.61	10.36	10.48	3.41	5.18	7.24	7.07	87.63
37	priyanga-cse	EEE-B/7	35	OCS752/Introduction To C Programming	10.89	10.80	5.81	8.91	8.30	8.57	2.79	4.63	6.26	5.99	72.94
38	veeyes	ICE-A/1	14	GE3151/Problem Solving And Python Programming	13.29	12.86	6.40	10.46	10.46	10.29	3.37	4.80	6.74	6.40	85.06
39	aravind-cse	MECH-A/1	55	GE3151/Problem Solving And Python Programming	11.62	11.29	6.34	9.47	9.43	9.16	3.07	4.56	6.46	4.71	76.11





Saranathan College of Engineering
Tiruchirappalli - 12

Department of Computer Science and Engineering

Action Taken Report

SEMESTER : 2021-2022 ODD

ACADEMIC YEAR: 2021-2022

Students submit their feedback on a scale of 100 percent which is used to assess the performance of the Faculty. On 26-11-2021 at 12.50pm in the Principal's cabin, the Principal conducted a meeting for faculty members regarding the student feedback report. He praised those who scored above the 75 percent mark and advised those who scored below the mark [highlighted in the accompanying report] to work harder in the future.

Explanation from the Faculty

staffcode	Explanation
Barani-cse	I will surely improve my performance in the next semester and will meet the expectations and standards set.
Priyanga-cse	I will make it a point to work hard and prove myself by leaps and bounds.





HOD CSE

PRINCIPAL

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CSE Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	shapnarani-cse	AID-A/2	60	AD3251/Data Structure Design	11.25	10.45	5.71	8.04	7.88	8.08	2.72	4.42	5.81	5.63	69.99
2	vidivelli-cse	CSE-A/2	64	CS3251/Programming In C	10.31	9.70	4.90	8.06	7.39	8.25	2.62	4.14	5.60	5.20	66.18
3	gomathi-cse	CSE-A/4	58	CS8451/Design And Analysis Of Algorithms	12.93	12.10	7.03	10.55	11.09	10.34	3.54	5.44	7.09	7.42	87.55
4	rajarajeswari-cse	CSE-A/4	58	CS8491/Computer Architecture	13.55	13.19	7.06	10.63	10.01	10.55	3.48	5.21	7.12	7.37	88.18
5	mohana-cse	CSE-A/4	53	CS8492/Database Management Systems	13.81	13.70	6.76	11.00	10.73	11.18	3.67	5.50	7.31	7.31	90.97
6	parkavi-cse	CSE-A/4	58	CS8493/Operating Systems	13.45	13.19	6.95	10.68	10.18	10.47	3.45	5.32	7.14	7.12	87.94
7	arunprasad-cse	CSE-A/4	55	CS8494/Software Engineering	14.51	14.13	7.56	11.39	11.30	11.48	3.81	5.69	7.62	7.71	95.20
8	mohankumar-cse	CSE-A/6	60	CS8075/Data Warehousing And Mining	13.65	13.45	7.20	10.56	10.36	10.52	3.55	5.42	7.12	7.20	89.03
9	sathiskumar-cse	CSE-A/6	32	CS8080[8]/Information Retrieval Techniques	12.47	12.47	6.75	10.05	9.82	10.12	3.42	5.14	6.80	6.60	83.65
10	veeyes	CSE-A/6	58	CS8601/Mobile Computing	13.40	13.66	6.68	10.26	10.30	10.63	3.34	5.34	7.14	7.28	88.03
11	senthamilselvi-cse	CSE-A/6	60	CS8602/Compiler Design	13.30	13.35	6.48	10.28	9.68	10.04	3.37	5.24	6.83	7.09	85.66
12	boobala-cse	CSE-A/6	61	CS8603/Distributed Systems	13.08	13.18	7.13	10.82	10.74	10.54	3.58	5.45	7.11	7.29	88.93

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TRICHY - 12.

13	sranjani-cse	CSE-A/6	58	CS8651/Internet Programming	13.14	12.72	7.09	9.97	9.72	10.18	3.48	5.48	7.14	6.59	85.52
14	dineshkumar-cse	CSE-A/6	60	CS8691/Artificial Intelligence	14.05	14.20	7.55	11.28	11.16	11.36	3.81	5.70	7.60	7.63	94.34
15	boobala-cse	CSE-A/8	9	CS8080/Information Retrieval Techniques	12.33	12.33	6.40	10.13	10.13	10.13	3.38	5.07	6.93	7.11	83.96
16	arunprasad-cse	CSE-A/8	12	GE8076/Professional Ethics In Engineering	12.75	12.50	6.53	10.60	10.20	10.00	3.40	5.30	6.67	6.80	84.75
17	gomathi-cse	CSE-B/2	54	CS3251/Programming In C	11.06	10.83	5.81	8.80	8.93	8.98	2.89	4.51	6.01	6.01	73.84
18	chandrasekaran-cse	CSE-B/4	60	CS8451/Design And Analysis Of Algorithms	13.45	13.65	6.85	10.76	10.40	10.80	3.51	5.28	7.09	7.15	88.94
19	barani-cse	CSE-B/4	60	CS8491/Computer Architecture	12.50	12.00	6.32	9.76	9.00	9.60	3.04	4.94	6.48	6.83	80.47
20	hema-cse	CSE-B/4	58	CS8492/Database Management Systems	13.29	13.09	6.76	10.10	10.39	10.47	3.26	5.03	6.87	7.06	86.30
21	iswarya-cse	CSE-B/4	61	CS8493/Operating Systems	12.64	11.80	6.14	9.91	8.93	9.76	3.40	4.90	6.85	6.74	81.07
22	mary-cse	CSE-B/4	60	CS8494/Software Engineering	12.50	12.35	6.00	9.64	9.32	9.44	2.99	4.44	6.67	6.91	80.25
23	karthik-cse	CSE-B/6	55	CS8075/Data Warehousing And Mining	14.67	14.51	7.56	11.65	11.56	11.56	3.85	5.72	7.68	7.80	96.57
24	mohankumar-cse	CSE-B/6	55	CS8080[8]/Information Retrieval Techniques	13.04	13.20	6.92	10.52	10.47	10.47	3.51	5.30	6.95	6.87	87.25
25	rajarajeswari-cse	CSE-B/6	54	CS8601/Mobile Computing	12.11	11.67	6.34	9.56	9.33	9.73	3.10	4.76	6.46	6.67	79.72
26	mohanapriya-cse	CSE-B/6	55	CS8602/Compiler Design	12.49	12.22	6.66	9.77	9.21	9.82	3.37	5.11	6.40	6.11	81.16
27	sathiskumar-cse	CSE-B/6	55	CS8603/Distributed Systems	11.89	11.67	6.40	9.51	9.47	9.21	3.37	4.95	6.46	5.85	78.79
28	chandrasekaran-cse	CSE-B/6	54	CS8651/Internet Programming	13.33	13.39	6.84	10.67	10.36	10.49	3.39	5.18	6.84	6.73	87.22
29	lakshmikanthan-cse	CSE-B/6	56	CS8691/Artificial Intelligence	11.73	12.11	6.11	9.34	9.26	9.60	3.00	4.78	6.20	6.57	78.70
30	boobala-cse	CSE-B/8	19	CS8080/Information Retrieval Techniques	10.42	10.26	5.39	7.96	8.21	7.96	2.82	4.04	5.56	5.39	68.01

PRINCIPAL
Saranathan College of Engineering
TRICHY - 12.

Saranathan College of Engineering
Tiruchirappalli - 12

Department of Computer Science and Engineering

Action Taken Report

SEMESTER : 2021-2022 EVEN

ACADEMIC YEAR: 2021-2022

Students submit their feedback on a scale of 100 percent which is used to assess the performance of the Faculty. On 06-06-2022 at 5.10pm in the Principal's cabin, the Principal conducted a meeting for faculty members regarding the student feedback report. He praised those who scored above the 75 percent mark and advised those who scored below the mark [highlighted in the accompanying report] to work harder in the future.

Explanation from the Faculty

staffcode	Explanation
Shapnarani-Cse	I will surely improve my performance in the next semester and will meet the expectations and standards set.
Vidivelli-cse	I will make it a point to work hard and prove myself by leaps and bounds.
Gomathi-cse	I make sure that I meet the needs and requirements of the students in a full fledged manner.
Boobala-cse	I will implement the suggestions given the HOD and the principal and strive to improve the feedback score in future lectures.



HOD CSE



PRINCIPAL

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (CSE)**
Subject Code : **CS8591** NBA Code : **C302** Title **COMPUTER NETWORKS**
Faculty: Mr.P.Dinesh Kumar / Mr.S.Venkatasubramanian

Cos	CO Description	Attained Level	%
C302.1	To study OSI layer model, transmission media and different switching types	2.46	82.00
C302.2	To study the various protocols and technologies at the data link layer	2.51	83.67
C302.3	To understand the logical addressing and subnetting	2.52	84.00
C302.4	To study various routing algorithms and protocols	2.49	83.00
C302.5	To understand TCP and UDP	2.36	78.67
C302.6	To understand the working of various application layer protocols	2.56	85.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 122

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
221001	CS8591	3	3	2	2	2	3	30/03/2022	CSE	5
221002	CS8591	3	3	3	3	2	3	30/03/2022	CSE	5
221003	CS8591	2	2	3	2	2	3	30/03/2022	CSE	5
221004	CS8591	2	3	2	2	2	3	30/03/2022	CSE	5
221005	CS8591	3	3	2	3	2	3	30/03/2022	CSE	5
221006	CS8591	3	2	2	3	2	2	30/03/2022	CSE	5
221007	CS8591	3	2	2	3	2	2	30/03/2022	CSE	5
221008	CS8591	2	3	2	2	2	2	30/03/2022	CSE	5
221009	CS8591	2	3	3	2	2	2	30/03/2022	CSE	5
221010	CS8591	3	2	3	3	2	2	30/03/2022	CSE	5
221011	CS8591	3	2	2	3	3	3	30/03/2022	CSE	5
221013	CS8591	2	3	2	2	2	2	30/03/2022	CSE	5
221014	CS8591	2	2	3	3	2	3	30/03/2022	CSE	5
221015	CS8591	3	3	2	2	2	3	30/03/2022	CSE	5
221016	CS8591	2	2	3	2	3	3	30/03/2022	CSE	5
221017	CS8591	3	3	3	2	3	3	30/03/2022	CSE	5
221018	CS8591	2	2	3	3	2	2	30/03/2022	CSE	5
221019	CS8591	2	2	3	3	3	3	30/03/2022	CSE	5
221020	CS8591	2	3	2	2	2	2	30/03/2022	CSE	5
221021	CS8591	3	3	3	3	2	2	30/03/2022	CSE	5
221022	CS8591	2	3	2	2	2	3	30/03/2022	CSE	5

PRINCIPAL
Saranathan College of Engineering
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221023	CS8591	3	2	3	3	2	3	30/03/2022	CSE	5
221024	CS8591	2	2	2	2	3	2	30/03/2022	CSE	5
221025	CS8591	3	2	3	3	2	3	30/03/2022	CSE	5
221026	CS8591	3	3	2	2	3	3	30/03/2022	CSE	5
221027	CS8591	3	2	2	2	3	3	30/03/2022	CSE	5
221028	CS8591	2	2	3	2	2	2	30/03/2022	CSE	5
221029	CS8591	3	2	3	3	2	3	30/03/2022	CSE	5
221030	CS8591	3	3	2	2	2	2	30/03/2022	CSE	5
221031	CS8591	3	2	2	3	2	2	30/03/2022	CSE	5
221032	CS8591	3	3	3	3	3	2	30/03/2022	CSE	5
221033	CS8591	2	2	2	3	3	3	30/03/2022	CSE	5
221034	CS8591	3	2	3	3	2	3	30/03/2022	CSE	5
221035	CS8591	2	3	2	3	3	2	30/03/2022	CSE	5
221036	CS8591	2	3	3	2	2	2	30/03/2022	CSE	5
221037	CS8591	3	2	2	2	2	2	30/03/2022	CSE	5
221038	CS8591	2	3	3	2	2	3	30/03/2022	CSE	5
221039	CS8591	3	3	3	3	2	3	30/03/2022	CSE	5
221040	CS8591	3	2	2	2	3	2	30/03/2022	CSE	5
221041	CS8591	2	2	3	2	2	3	30/03/2022	CSE	5
221042	CS8591	2	2	3	3	2	3	30/03/2022	CSE	5
221043	CS8591	2	2	3	2	3	3	30/03/2022	CSE	5
221044	CS8591	3	3	2	3	3	3	30/03/2022	CSE	5
221045	CS8591	3	3	2	3	3	3	30/03/2022	CSE	5
221046	CS8591	2	2	2	3	3	2	30/03/2022	CSE	5
221047	CS8591	2	3	3	2	3	3	30/03/2022	CSE	5
221048	CS8591	3	3	3	3	3	2	30/03/2022	CSE	5
221049	CS8591	2	2	2	2	2	2	30/03/2022	CSE	5
221050	CS8591	3	2	2	3	2	3	30/03/2022	CSE	5
221051	CS8591	3	3	2	3	2	3	30/03/2022	CSE	5
221052	CS8591	2	2	3	3	2	3	30/03/2022	CSE	5
221053	CS8591	2	2	2	3	2	3	30/03/2022	CSE	5
221054	CS8591	2	2	2	2	2	2	30/03/2022	CSE	5
221055	CS8591	3	2	3	2	2	3	30/03/2022	CSE	5
221056	CS8591	2	3	2	2	2	3	30/03/2022	CSE	5
221057	CS8591	2	3	3	3	2	2	30/03/2022	CSE	5
221058	CS8591	3	3	3	3	2	3	30/03/2022	CSE	5
221059	CS8591	3	2	3	2	3	2	30/03/2022	CSE	5
221060	CS8591	3	3	3	3	2	2	30/03/2022	CSE	5
221061	CS8591	3	2	2	2	3	3	30/03/2022	CSE	5

PRINCIPAL
Sarasthia College of Engineering
TRICHY - 12

221062	CS8591	3	2	3	3	2	3	30/03/2022	CSE	5
221063	CS8591	2	2	3	2	2	2	30/03/2022	CSE	5
221064	CS8591	2	3	2	3	2	2	30/03/2022	CSE	5
221065	CS8591	2	3	3	3	3	2	30/03/2022	CSE	5
221066	CS8591	3	2	2	2	2	3	30/03/2022	CSE	5
221067	CS8591	3	3	3	2	2	3	30/03/2022	CSE	5
221068	CS8591	3	3	3	2	3	2	30/03/2022	CSE	5
221069	CS8591	3	3	2	3	2	3	30/03/2022	CSE	5
221070	CS8591	2	3	3	3	3	2	30/03/2022	CSE	5
221071	CS8591	2	2	2	2	2	3	30/03/2022	CSE	5
221072	CS8591	2	2	3	3	2	3	30/03/2022	CSE	5
221073	CS8591	2	3	3	2	2	3	30/03/2022	CSE	5
221074	CS8591	3	3	2	3	2	3	30/03/2022	CSE	5
221075	CS8591	2	3	3	3	2	2	30/03/2022	CSE	5
221076	CS8591	2	2	3	2	2	3	30/03/2022	CSE	5
221077	CS8591	3	3	2	3	2	3	30/03/2022	CSE	5
221078	CS8591	3	2	3	3	2	2	30/03/2022	CSE	5
221079	CS8591	3	3	3	2	3	2	30/03/2022	CSE	5
221080	CS8591	2	3	2	2	2	2	30/03/2022	CSE	5
221081	CS8591	3	3	3	3	2	2	30/03/2022	CSE	5
221082	CS8591	2	3	3	3	3	2	30/03/2022	CSE	5
221083	CS8591	3	2	2	2	2	2	30/03/2022	CSE	5
221084	CS8591	2	2	2	3	2	3	30/03/2022	CSE	5
221085	CS8591	2	3	3	3	3	3	30/03/2022	CSE	5
221086	CS8591	2	3	3	2	2	3	30/03/2022	CSE	5
221087	CS8591	2	3	2	3	3	3	30/03/2022	CSE	5
221088	CS8591	2	2	2	2	3	2	30/03/2022	CSE	5
221089	CS8591	2	3	2	3	3	2	30/03/2022	CSE	5
221090	CS8591	2	3	3	3	2	3	30/03/2022	CSE	5
221091	CS8591	3	3	2	2	3	3	30/03/2022	CSE	5
221092	CS8591	3	2	2	2	2	3	30/03/2022	CSE	5
221093	CS8591	3	2	3	3	3	3	30/03/2022	CSE	5
221094	CS8591	3	2	2	3	2	3	30/03/2022	CSE	5
221095	CS8591	2	3	2	2	2	2	30/03/2022	CSE	5
221096	CS8591	2	2	3	2	2	3	30/03/2022	CSE	5
221097	CS8591	3	3	3	2	2	3	30/03/2022	CSE	5
221098	CS8591	2	2	2	3	2	3	30/03/2022	CSE	5
221099	CS8591	3	2	2	2	3	2	30/03/2022	CSE	5
221100	CS8591	2	2	3	2	3	2	30/03/2022	CSE	5

PRINCIPAL
Sriranthan College of Engineering
TRICHY - 12

221101	CS8591	2	3	2	2	2	2	30/03/2022	CSE	5
221102	CS8591	3	3	3	2	2	2	30/03/2022	CSE	5
221103	CS8591	2	2	2	3	3	3	30/03/2022	CSE	5
221104	CS8591	2	2	3	3	3	3	30/03/2022	CSE	5
221105	CS8591	3	3	3	2	3	3	30/03/2022	CSE	5
221106	CS8591	2	3	3	2	3	2	30/03/2022	CSE	5
221107	CS8591	2	3	3	3	2	2	30/03/2022	CSE	5
221108	CS8591	3	2	2	2	3	2	30/03/2022	CSE	5
221109	CS8591	2	3	3	3	2	3	30/03/2022	CSE	5
221110	CS8591	2	2	3	2	3	3	30/03/2022	CSE	5
221111	CS8591	2	3	3	3	2	3	30/03/2022	CSE	5
221112	CS8591	3	3	3	3	2	3	30/03/2022	CSE	5
221113	CS8591	2	2	3	2	3	3	30/03/2022	CSE	5
221114	CS8591	2	3	2	2	3	3	30/03/2022	CSE	5
221115	CS8591	2	2	2	2	2	2	30/03/2022	CSE	5
221117	CS8591	2	2	2	2	2	2	30/03/2022	CSE	5
221118	CS8591	2	2	2	2	2	2	30/03/2022	CSE	5
221119	CS8591	2	2	3	2	3	2	30/03/2022	CSE	5
221120	CS8591	2	2	2	2	2	2	30/03/2022	CSE	5
221121	CS8591	2	3	3	3	2	3	30/03/2022	CSE	5
221122	CS8591	3	3	2	2	3	3	30/03/2022	CSE	5
221123	CS8591	3	2	2	3	3	2	30/03/2022	CSE	5
221124	CS8591	3	3	3	3	3	2	30/03/2022	CSE	5
Attained Level		2.46	2.51	2.52	2.49	2.36	2.56			
%		82.00	83.67	84.00	83.00	78.67	85.33			

PRINCIPAL
Sriranjitha College of Engineering
TRICHY - 12.

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR'22	DAY	DETAILS	Day order	working days	APR'22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON		IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Holiday			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Holiday			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				28	32				22	54				14	68
																	Total No.of working days for the semester :	68	

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - First Year UG

NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days	JAN'22	DAY	DETAILS	Day order	working days	FEB'22	DAY	DETAILS	Day order	working days	MAR'22	DAY	DETAILS	Day order	working days
01	MON				01	WED		II	7	01	SAT	New year day			01	TUE		V	50	01	TUE	Model Exam		71
02	TUE				02	THU		III	8	02	SUN	Holiday			02	WED		I	51	02	WED			
03	WED	Holiday			03	FRI		IV	9	03	MON		V	30	03	THU	Founder's day	II	52	03	THU	Model Exam		72
04	THU	Deepavali - Holiday			04	SAT	Holiday			04	TUE		I	31	04	FRI		III	53	04	FRI			
05	FRI	Holiday			05	SUN	Holiday			05	WED		II	32	05	SAT	Holiday			05	SAT	Model Exam		73
06	SAT	Holiday			06	MON		V	10	06	THU	Saranathan Jayanthi	III	33	06	SUN	Holiday			06	SUN			
07	SUN	Holiday			07	TUE	Flag Day	I	11	07	FRI		IV	34	07	MON		IV	54	07	MON	Model Exam		74
08	MON				08	WED		II	12	08	SAT		V	35	08	TUE		V	55	08	TUE			
09	TUE				09	THU		III	13	09	SUN	Holiday			09	WED		I	56	09	WED	Model Exam		75
10	WED				10	FRI		IV	14	10	MON		I	36	10	THU		II	57	10	THU	Univ. Practical Exam commences		
11	THU	National Education Day			11	SAT	Holiday			11	TUE	National Road Safety day	II	37	11	FRI		III	58	11	FRI			
12	FRI				12	SUN	Holiday			12	WED	National Youth day	III	38	12	SAT	Holiday			12	SAT	Holiday		
13	SAT	Holiday			13	MON		V	15	13	THU	Holiday			13	SUN	Holiday			13	SUN	Holiday		
14	SUN	Children's Day - Holiday			14	TUE	International Energy Day	I	16	14	FRI	Pongal			14	MON		IV	59	14	MON			
15	MON	First year Induction programme			15	WED		II	17	15	SAT	Thiruvalluvar day			15	TUE		V	60	15	TUE			
16	TUE				16	THU		III	18	16	SUN	Holiday			16	WED		I	61	16	WED			
17	WED				17	FRI	Margazhi Mahothsavam	IV	19	17	MON	Holiday			17	THU	Feedback(A,B,C,D,E)	II	62	17	THU			
18	THU				18	SAT	Holiday			18	TUE	Thaipusam			18	FRI	Feedback(F,G,H,I,J)	III	63	18	FRI			
19	FRI				19	SUN	Holiday			19	WED		IV	39	19	SAT	Holiday			19	SAT	Holiday		
20	SAT				20	MON	IA Test 1	V	20	20	THU		V	40	20	SUN	Holiday			20	SUN			
21	SUN				21	TUE	IA Test 1	I	21	21	FRI	IA Test 2	I	41	21	MON	IA Test 3	IV	64	21	MON	Univ. Theory Exam commences		
22	MON	I year classes Commences	I	1	22	WED	IA Test 1 National Mathematics Day	II	22	22	SAT	IA Test 2	II	42	22	TUE	IA Test 3	V	65	22	TUE	World water day		
23	TUE		II	2	23	THU	IA Test 1	III	23	23	SUN	Holiday	III	43	23	WED	IA Test 3	I	66	23	WED			
24	WED		III	3	24	FRI	IA Test 1	IV	24	24	MON	IA Test 2 National Girl Child Day	IV	44	24	THU	IA Test 3	II	67	24	THU			
25	THU		IV	4	25	SAT	Christmas			25	TUE	IA Test 2 National Voter's day	V	45	25	FRI	IA Test 3	III	68	25	FRI			
26	FRI				26	SUN	Holiday			26	WED	Republic day			26	SAT		IV	69	26	SAT	Holiday		
27	SAT				27	MON		V	25	27	THU	IA Test 2	I	46	27	SUN	Holiday			27	SUN	Holiday		
28	SUN	Holiday			28	TUE		I	26	28	FRI		II	47	28	MON	Syllabus completion National Science day	V	70	28	MON			
29	MON		V	5	29	WED		II	27	29	SAT		III	48						29	TUE			
30	TUE		I	6	30	THU	Feedback(A,B,C,D,E)	III	28	30	SUN	Martyrs day - Holiday								30	WED			
					31	FRI	Feedback(F,G,H,I,J)	IV	29	31	MON	National Unity Day	IV	49						31	THU			
				6					23					20					21					5

Total No.of working days for the semester : 75

Principal

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		III	13	01	FRI	PT Meeting-I	V	35	05	MON	STUDENT FEEDBACK -2	I	56	01	WED			
02	MON	Work load and requisition letter for sanctioned post Submission			02	THU		IV	14	02	SAT	Gandhi Jayanthi - Holiday			06	TUE	Collection of project publication details	II	57	02	THU	Univ. Practical Exam commences		
03	TUE	Service enquiry and proposal for service and procurement			03	FRI		V	15	03	SUN	Holiday			03	WED	Class Committee Meeting -II Year	III	58	03	FRI			
04	WED				04	SAT	Holiday			04	MON	Mentor Mentee Meeting for II year	I	36	04	THU	Class Committee Meeting -III Year	IV	59	04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE	Mentor Mentee Meeting for III Year	II	37	05	FRI	Class Committee Meeting -IV Year	V	60	05	SUN	Holiday		
06	FRI	Time Table submission & log book			06	MON	Mentor Mentee Meeting for II year	I	16	06	WED	Mentor Mentee Meeting for IV Year	III	38	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE	Mentor Mentee Meeting for III Year	II	17	07	THU		IV	39	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED	Mentor Mentee Meeting for IV Year	III	18	08	FRI		V	40	08	MON	Mentor Mentee Meeting for II year	I	61	08	WED			
09	MON	Lesson plan and Notes of Lesson submission			09	THU	Guest Lecture on Wireless Communication by optithought for IV year	IV	19	09	SAT	Holiday			09	TUE	Mentor Mentee Meeting for III Year	II	62	09	THU			
10	TUE				10	FRI		V	20	10	SUN	Holiday			10	WED	Mentor Mentee Meeting for IV Year	III	63	10	FRI			
11	WED	Course Committee Meeting for all subjects			11	SAT	Holiday			11	MON	Workshop on AI and IOT for IV year	I	41	11	THU	Guest Lecture on Embedded Systems by optithought for IV year	IV	64	11	SAT			
12	THU	PAEC meeting			12	SUN	Holiday			12	TUE	Workshop on AI and IOT for IV year	II	42	12	FRI		V	65	12	SUN	Holiday		
13	FRI	PAC Meeting			13	MON	Assignment and tutorial for 1 1/2 units submission	I	21	13	WED		III	43	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE	Class Committee Meeting -II Year	II	22	14	THU		IV	44	14	SUN	Holiday			14	TUE			
15	SUN	Holiday			15	WED	Engineer's Day, Class Committee Meeting -III Year	III	23	15	FRI		V	45	15	MON	IA Test 3	I	66	15	WED			
16	MON	III,V,VII sem classes commence	I	1	16	THU	Class Committee Meeting - IV Year	IV	24	16	SAT	Holiday			16	TUE	IA Test 3	II	67	16	THU			
17	TUE		II	2	17	FRI	IAT-QP and Key submission	V	25	17	SUN	Holiday			17	WED	IA Test 3	III	68	17	FRI			
18	WED		III	3	18	SAT	Holiday			18	MON	IA Test 2	I	46	18	THU	IA Test 3	IV	69	18	SAT			
19	THU		IV	4	19	SUN	Holiday			19	TUE	IA Test 2	II	47	19	FRI	IA Test 3	V	70	19	SUN	Holiday		
20	FRI		V	5	20	MON	IA Test 1	I	26	20	WED	IA Test 2	III	48	20	SAT	IA Test 3	I	71	20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	27	21	THU	IA Test 2	IV	49	21	SUN	Holiday			21	TUE			
22	SUN	Holiday			22	WED	IA Test 1	III	28	22	FRI	IA Test 2	V	50	22	MON	Syllabus completion , syllabus completion form collection	I	72	22	WED	National Mathematics Day		
23	MON	Mentor Mentee Meeting for II year	I	6	23	THU	IA Test 1	IV	29	23	SAT	Holiday			23	TUE	Revision class, Model Question paper for Theory	II	73	23	THU			
24	TUE	Mentor Mentee Meeting for III Year	II	7	24	FRI	IA Test 1	V	30	24	SUN	Holiday			24	WED	Revision class	III	74	24	FRI			
25	WED	Mentor Mentee Meeting for IV Year	III	8	25	SAT	IA Test 1		31	25	MON	IA Test 2	I	51	25	THU	Revision class	IV	75	25	SAT	Christmas - Holiday		
26	THU	PCB Design workshop for II year	IV	9	26	SUN	Holiday			26	TUE		II	52	26	FRI	Revision class	V	76	26	SUN	Holiday		
27	FRI	PCB Design workshop for II year	V	10	27	MON	Workshop on EM Fields-By Tesla Minds for II Year	I	32	27	WED	Workshop on ARM/ Arduino for III year	III	53	27	SAT	Holiday			27	MON			
28	SAT	PCB Design workshop for II year			28	TUE	Workshop on EM Fields-By Tesla Minds for II Year	II	33	28	THU	Workshop on ARM/ Arduino for III year	IV	54	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1, co-curricular and Extra curricular activity details collection from students	III	34	29	FRI		V	55	29	MON	Lab record work completion, Stock verification, Model Question Paper for Lab	V	77	29	WED			
30	MON	Workshop on AI and IOT for III year	I	11	30	THU	IAT Result analysis meeting, Root Cause Analysis	IV	35	30	SAT	Holiday			30	TUE	Lab record work completion, Stock verification	I	78	30	THU			
31	TUE	Workshop on AI and IOT for III year	II	12						31	SUN	Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

HOD/ECE

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Department of Electronics and Communication Engineering

Tentative Department Academic Planner for Even Semester(2021-22) - II, III & IV Year UG

MAR'22	DAY	DETAILS	Day order	working days	APR'22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days	Jul'22	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED	Workshop on Industrial IoT by ViMicro Systems for III year/	III	13	01	FRI	Parent Teachers Meeting-I	V	35	04	MON	STUDENT FEEDBACK -2	I	56	01	WED			
02	MON	Work load and requisition letter for sanctioned post Submission			02	THU	Workshop on AI and Machine Learning by Pantech Solutions for IV Year	IV	14	02	SAT	Gandhi Jayanthi - Holiday			05	TUE	Collection of project publication details	II	57	02	THU	Univ. Practical Exam commences		
03	TUE	Service enquiry and proposal for service and procurement			03	FRI	Workshop on AI and Machine Learning by Pantech Solutions for IV Year	V	15	03	SUN	Holiday			03	WED	Class Committee Meeting -II Year	III	58	03	FRI			
04	WED				04	SAT	Workshop on AI and Machine Learning by Pantech Solutions for IV Year			04	MON	Workshop on Industrial IoT by ViMicro Systems for II year/Mentor Mentee Meeting for II year	I	36	04	THU	Class Committee Meeting -III Year	IV	59	04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE	Workshop on Industrial IoT by ViMicro Systems for II year/Mentor Mentee Meeting for III year	II	37	05	FRI	Class Committee Meeting -IV Year	V	60	05	SUN	Holiday		
06	FRI	Time Table submission & log book			06	MON	Mentor Mentee Meeting for II year	I	16	06	WED	Workshop on Industrial IoT by ViMicro Systems for II year/Mentor Mentee Meeting for IV year	III	38	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE	Mentor Mentee Meeting for III Year	II	17	07	THU		IV	39	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED	Mentor Mentee Meeting for IV Year	III	18	08	FRI	Industrial Visit for IV year	V	40	08	MON	Mentor Mentee Meeting for II year	I	61	08	WED			
09	MON	Lesson plan and Notes of Lesson submission			09	THU	Guest Lecture on Wireless Communication by optithought for IV year	IV	19	09	SAT	Industrial Visit for IV year			09	TUE	Mentor Mentee Meeting for III Year	II	62	09	THU			
10	TUE				10	FRI	Industrial Visit for III year	V	20	10	SUN	Holiday			10	WED	Mentor Mentee Meeting for IV Year	III	63	10	FRI			
11	WED	Course Committee Meeting for all subjects			11	SAT	Industrial Visit for III year			11	MON	Workshop on Antenna Design - By Tesla Minds for IV Year	I	41	11	THU	Guest Lecture on Embedded Systems by optithought for IV year	IV	64	11	SAT			
12	THU	PAEC meeting			12	SUN	Holiday			12	TUE	Workshop on Antenna Design - By Tesla Minds for IV Year	II	42	12	FRI		V	65	12	SUN	Holiday		
13	FRI	PAC Meeting			13	MON	Assignment and tutorial for 1 1/2 units submission	I	21	13	WED	Workshop on Antenna Design - By Tesla Minds for IV Year	III	43	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE	Class Committee Meeting -II Year	II	22	14	THU		IV	44	14	SUN	Holiday			14	TUE			
15	SUN	Holiday			15	WED	Class Committee Meeting -III Year	III	23	15	FRI	Industrial Visit for II year	V	45	15	MON	IA Test 3	I	66	15	WED			
16	MON	III,V,VII sem classes commence	I	1	16	THU	Class Committee Meeting -IV Year	IV	24	16	SAT	Holiday			16	TUE	IA Test 3	II	67	16	THU			
17	TUE		II	2	17	FRI	IAT-QP and Key submission	V	25	17	SUN	Holiday			17	WED	IA Test 3	III	68	17	FRI			
18	WED		III	3	18	SAT	Holiday			18	MON	IA Test 2	I	46	18	THU	IA Test 3	IV	69	18	SAT			
19	THU		IV	4	19	SUN	Holiday			19	TUE	IA Test 2	II	47	19	FRI	IA Test 3	V	70	19	SUN	Holiday		
20	FRI		V	5	20	MON	IA Test 1	I	26	20	WED	IA Test 2	III	48	20	SAT	IA Test 3	I	71	20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	27	21	THU	IA Test 2	IV	49	21	SUN	Holiday			21	TUE			
22	SUN	Holiday			22	WED	IA Test 1	III	28	22	FRI	IA Test 2	V	50	22	MON	Syllabus completion , syllabus completion form collection	I	72	22	WED	National Mathematics Day		
23	MON	Mentor Mentee Meeting for II year	I	6	23	THU	IA Test 1	IV	29	23	SAT	Holiday			23	TUE	Revision class, Model Question paper for Theory	II	73	23	THU			
24	TUE	Mentor Mentee Meeting for III Year	II	7	24	FRI	IA Test 1	V	30	24	SUN	Holiday			24	WED	Revision class	III	74	24	FRI			
25	WED	Mentor Mentee Meeting for IV Year	III	8	24	SAT	IA Test 1		31	25	MON	IA Test 2	I	51	25	THU	Revision class	IV	75	25	SAT	Christmas - Holiday		
26	THU	PCB Design workshop for II year by RAACTS	IV	9	25	SUN	Holiday			26	TUE		II	52	26	FRI	Revision class	V	76	26	SUN	Holiday		
26	FRI	PCB Design workshop for II year by RAACTS	V	10	26	MON	Workshop on EM Fields-By Tesla Minds for II Year	I	32	27	WED		III	53	27	SAT	Holiday			27	MON			
28	SAT	PCB Design workshop for II year by RAACTS			27	TUE	Workshop on EM Fields-By Tesla Minds for II Year	II	33	28	THU	Workshop on ARM based Embedded System for III yearby Pantech Solutions	IV	54	28	SUN	Holiday			28	TUE			
28	SUN	Holiday			28	WED	STUDENT FEEDBACK -1, co-curricular and Extra curricular activity details collection from students	III	34	28	FRI	Workshop on ARM based Embedded System for III yearby Pantech Solutions	V	55	29	MON	Lab record work completion, Stock verification, Model Question Paper for Lab	V	77	29	WED			
29	MON	Workshop on Industrial IoT by ViMicro Systems for III year	I	11	29	THU	IAT Result analysis meeting, Root Cause Analysis	IV	35	29	SAT	Workshop on ARM based Embedded System for III yearby Pantech Solutions			30	TUE	Lab record work completion, Stock verification	I	78	30	THU			
30	TUE	Workshop on Industrial IoT by ViMicro Systems for III year	II	12						30	SUN	Holiday								30	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

HoD/ECE

SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012
DEPARRTMENT OF ELCTRONICS AND COMMUNICATION ENGINEERING
WORKLOAD -ALLOCATION FOR THE ACADEMIC YEAR 2021-2022(ODD)

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY/LAB	HOURS	TOTAL HOURS
1	Dr.M.Santhi	Digital Electronics	EC8392	II/III(ECE B)	Theory	5	9
		Multimedia Compression Techniques (Professional Elective V)	MU5091	II MECS/ III	Theory	4	
		Project Work Phase I	CU5311	II MECS/ III			
2	Dr.C.Vennila	Control Systems Engineering	EC8391	II/III (ECE A)	Theory	5	22
		Cognitive Radio (Professional Elective)	EC8071	IV/VII (ECE A)	Theory	5	
		Advanced Communication Laboratory	EC8761	IV/VII (ECE A & B)	Lab	12	
3	Dr.M.Padmaa	Discrete-Time Signal Processing	EC8553	III/V (ECEB)	Theory	5	26
		Transducer Engineering(Open Elective I)	OIC751	IV/VII (ECE B)	Theory	5	
		Communication Network Security (Professional Elective VI)	NC5291	II MECS / III	Theory	4	
		Digital Signal Processing Laboratory	EC8562	III/V(ECE A & B)	Lab	12	
4	Dr.S.A.Arunmozhi	Communication Networks	EC8551	III/V (ECE A)	Theory	5	27
		Adhoc and Wireless Sensor Networks	EC8702	IV/VII (ECE B)	Theory	6	
		Advanced Radiation Systems	CU5191	I MECS/ I	Theory	4	
		Communication Networks Laboratory	EC8563	III/V (ECE A & B)	Lab	12	
5	Dr.S.Rajeswari	Digital Communication	EC8501	III/V (ECE B)	Theory	5	27
		Adhoc and Wireless Sensor Networks	EC8702	IV/VII (ECE A)	Theory	6	
		Advanced Satellite Communication and Navigation Sysrems (Professional Elective I)	CU5091	I MECS/ I	Theory	4	
		Communication Systems Laboratory	EC8561	III/V (ECE A & B)	Lab	12	

6	Dr.V.Mohan	Digital Communication	EC8501	III/V (ECE A)	Theory	5	25
		Antennas & Microwave Engineering	EC8701	IV/VII (ECE A)	Theory	6	
		Millimeter Wave Communication	CU5301	II MECS/ III	Theory	4	
		Digital Systems Laboratory	CS8382	II/III (CSE A)	Lab	6	
		Communication Systems Laboratory	CU5161	I MECS/ I	Lab	4	
7	Dr.P.Shanmugapriya	Discrete-Time Signal Processing	EC8553	III/V(ECE A)	Theory	5	27
		Antennas & Microwave Engineering	EC8701	IV/VII (ECE B)	Theory	6	
		Advanced Digital Communication Techniques	CU5151	I ME/I	Theory	4	
		Digital Systems Laboratory	CS8382	II/III(ECE A & B)	Lab	12	
8	Dr.M.Baritha Begum	Electronic Circuits- I	EC8351	II/III (ECE B)	Theory	5	26
		Professional Elective I (Medical Electronics)	EC8073	III/V (ECE A)	Theory	4	
		Advanced Digital Signal Processing	AP5152	I MECS/ I	Theory	5	
		Analog and Digital Circuits Laboratory	EC8361	II/III (ECE A &B)	Lab	12	
9	Mr.S.Hariprasath	Electronic Circuits- I	EC8351	II/III (ECE A)	Theory	5	27
		Digital Image Processing	EC8093	IV/VII ICE	Theory	5	
		Analog and Digital Communication	EC8394	II/III IT	Theory	5	
		Digital Systems Laboratory	CS8382	II/III IT	Lab	6	
		Microprocessors andMicrocontrollers Lab	EC8681	III/V IT	Lab	6	
10	Mr.K.Malaisamy	Optical Communication	EC8751	IV/VII (ECE A)	Theory	6	27
		Microprocessors and Microcontrollers	EE8551	III/V ICE	Theory	5	
		Optical Networks	CU5192	I ME/I	Theory	4	
		Microprocessors and Microcontrollers Lab	EE8681	III/V ICE	Lab	6	
		Digital Systems Laboratory.	CS8382	II/III IT	Lab	6	
11	Ms.P.Sivagamasundari	Digital Electronics	EC8392	II/III (ECE A)	Theory	5	23
		Embedded and Real time Systems	EC8791	IV/VII (ECE A)	Theory	6	
		Embedded Laboratory	EC8711	IV/VII (ECE A & B)	Lab	12	
12	Ms.J.Eindhumathy	Control Systems Engineering	EC8391	II/III(ECE B)	Theory	5	23
		Embedded and Real time Systems	EC8791	IV/VII (ECE B)	Theory	6	
		Embedded Laboratory	EC8711	IV/VII (ECE A & B)	Lab	12	

13	Ms.A.Shamimbanu	Signals and Systems	EC8352	II/III (ECE A)	Theory	5	25
		Optical Communication	EC8751	IV/VII (ECE B)	Theory	6	
		Advanced Communication Laboratory	EC8761	IV/VII (ECE A & B)	Lab	12	
		T&P		III/V (ECE A)		2	
14	Mr.M.Mahendran	Communication Networks	EC8551	III/V (ECE B)	Theory	5	22
		Communication Engineering	EC8395	II/III (CSE B)	Theory	5	
		Communication Networks Laboratory	EC8563	III/V (ECE A & B)	Lab	12	
15	Mr.G.Sivakannu	Signals and Systems	EC8352	II/III (ECE B)	Theory	5	28
		Cognitive Radio (Professional Elective III	EC8071	IV/VII (ECE B)	Theory	5	
		Communication Systems Laboratory	EC8561	III/V (ECE B)	Lab	6	
		Analog and Digital Circuits Laboratory	EC8361	II/III (ECE A &B)	Lab	12	
16	Ms.V.Ramya	Digital Audio Engineering (Open Elective I)	OTL552	III/V (ECE A& B)	Theory	8	26
		Digital Principles and system design	CS8351	II/III IT	Theory	6	
		Digital Systems Laboratory	CS8382	II/III (CSE B)	Lab	6	
		Microprocessors and Microcontrollers Lab	EC8681	III/V (CSE B)	Lab	6	
17	Ms.M.Anthuvan Lydia	Professional Elective I (Medical Electronics)	EC8073	III/V (ECE B)	Theory	4	27
		Microprocessors and Microcontrollers	EC8691	III/V (CSE B)	Theory	5	
		Microprocessors and Microcontrollers Lab	EE8681	III/V ICE	Lab	6	
		Microprocessors and Microcontrollers Lab	EC8681	III/V (CSE A&B)	Lab	12	
18	Mr.V.Koushick	Transducer Engineering(Open Elective I)	OIC751	IV/VII (ECE A)	Theory	5	28
		Microprocessors and Microcontrollers	EC8691	III/V (CSE A)	Theory	5	
		Microprocessors and Microcontrollers Lab	EC8681	III/V (CSE A)	Lab	6	
		Digital Signal Processing Laboratory	EC8562	III/V (ECE A & B)	Lab	12	
19	Ms.R.Vaishanavi	Communication Engineering	EC8395	II/III (CSE A)	Theory	5	23
		Microprocessors andMicrocontrollers	EC8691	III/V IT	Theory	4	
		Communication Systems Laboratory	EC8561	III/V (ECE A)	Lab	6	
		T&P		III/V (ECE B)		2	
		Microprocessors andMicrocontrollers Lab	EC8681	III/V IT	Lab	6	
							468

Timetable Coordinator

HoD/ECE 16/8/21

Principal 16/8/2021

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
SUBJECT ALLOCATION - 2021-22 EVEN SEMESTER

10-03-2022

S.NO	FACULTY NAME	SUBJECT	SUBJECT CODE	YEAR/SEM	THEORY/LAB	HOURS	TOTAL HOURS
1	Dr.Santhi.M	VLSI Design	EC8095	III / VI sem/ B sec	THEORY	3	7
		Technical Seminar	EC8611	III / VI sem/ A & B sec	LAB	4	
2	Dr.Vennila.C	VLSI Design	EC8095	III / VI sem/ A sec	THEORY	3	12
		Microprocessors and Microcontrollers	EC8691	III/ VI sem /B sec	THEORY	3	
		VLSI Design Laboratory	EC8661	III / VI sem/ A sec	LAB	6	
3	Dr.Padmaa.M	Electronic Circuits II	EC8452	II / IV sem/ A sec	THEORY	4	13
		Professional Elective -II- Cryptography and Network Security	CS8792	III / VI sem/ B sec	THEORY	3	
		Circuits Design and Simulation Laboratory	EC8461	(II / IV sem/ A sec	LAB	6	
4	Dr.Arunmozhi.S.A	Professional Elective -IV- Professional Ethics in Engineering	GE8076	IV/ VIII sem/ B sec	THEORY	3	13
		RF System Design	CU4251	I MECS/ II sem	THEORY	3	
		Linear Integrated Circuits Laboratory	EC8462	II/ IV sem ECE / B sec	LAB	6	
		Term Paper and seminar	CU4212	I MECS/ II sem	LAB	1	
5	Dr.Rajeswari.S	Professional Elective -IV- Professional Ethics in Engineering	GE8076	IV/ VIII / A sec	THEORY	3	15
		Advanced Wireless Networks	CU4202	I MECS/ II sem	THEORY	3	
		Linear Integrated Circuits Laboratory	EC8462	II/ IV sem ECE / A sec	LAB	6	
		Linear and Digital Integrated Circuits Laboratory	EE8461	II / IV sem / EEE	LAB (1 SLOT)	3	
6	Dr.Mohan.V	Electromagnetic Fields	EC8451	II/ IV / B sec	THEORY	4	16
		Machine Learning	CP4252	I MECS/ II sem	THEORY	3	
		Circuit Analysis Laboratory	EC3271	I/ II sem ECE A sec	LAB(1-slot)	3	
		Circuit Analysis Laboratory	EC3271	I/ II sem ECE B sec	LAB	6	
7	Dr.Shanmugapriya.P	Electromagnetic Fields	EC8451	II/ IV / A sec	THEORY	4	17
		Transmission Lines and RF Systems	EC8651	III/ VI sem / A sec	THEORY	4	
		Circuit Analysis Laboratory	EC3271	I/ II sem ECE A sec	LAB(I-slot)	3	
		Linear Integrated Circuits Laboratory	EC8462	II/ IV sem ECE / A sec	LAB	6	

8	Dr.Baritha Begum.M	Electronic Circuits II	EC8452	II / IV sem/B sec	THEORY	4	17
		Transmission Lines and RF Systems	EC8651	III/ VI sem / B sec	THEORY	4	
		Circuits Design and Simulation Laboratory	EC8461	II / IV sem/ B sec	LAB	6	
		Linear and Digital Integrated Circuits Laboratory	EE8461	II / IV sem / EEE	LAB(1-slot)	3	
9	Mr.Hariprasath.S	Linear Integrated Circuits and Applications	EE8451	II / IV sem / EEE	THEORY	3	18
		Professional Elective -I - Advanced Satellite Communication and Navigation Systems	CU4071	I MECS/ II sem	THEORY	3	
		Linear and Digital Integrated Circuits Laboratory	EE8461	II / IV sem / EEE	LAB	6	
		Circuits Design and Simulation Laboratory	EC8461	II / IV sem/ B sec	LAB	6	
10	Mr.Malaisamy.K	Microprocessors and Microcontrollers	EC8691	III/ VI sem / A sec	THEORY	3	21
		Microwave Integrated Circuits	CU4201	I MECS/ II sem	THEORY	3	
		Microprocessors and Microcontrollers Laboratory	EC8681	III/ VI sem / A sec	LAB	6	
		Microprocessors and Microcontrollers Laboratory	EE8681	III/ VI sem/ EEE B sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem MECH	LAB	3	
11	Ms.Sivagamasundhari.P	Circuit Analysis	EC3251	I / II sem / A sec	THEORY	4	19
		Professional Elective -V- Satellite Communication	EC8094	IV/ VIII sem A sec	THEORY	3	
		Circuit Analysis Laboratory	EC3271	I/ II sem ECE A sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem ECE B sec	LAB	6	
12	Ms.Shamim Banu.A	Circuit Analysis	EC3251	I / II sem / B sec	THEORY	4	20
		Professional Elective -II - Multimedia Compression Techniques	DS4251	I MECS/ II sem	THEORY	3	
		Circuit Analysis Laboratory	EC3271	I/ II sem ECE B sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem ECE A sec	LAB	6	
		T&P				1	
13	Ms.Eindhumathy.J	Professional Elective -V- Satellite Communication	EC8094	IV/ VIII ECE B sec	THEORY	3	18
		VLSI Design Laboratory	EC8661	III / VI sem/ B sec	LAB	6	
		VLSI Design Laboratory	EC8661	III / VI sem/ A sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem CSE B sec	LAB (1 SLOT)	3	
14	Mr.Sivakannu.G	Communication Theory	EC8491	II / IV sem /A sec	THEORY	4	18
		Linear Integrated Circuits	EC8453	II / IV sem / B sec	THEORY	4	
		Linear Integrated Circuits Laboratory	EC8462	II/ IV sem / B sec	LAB	6	
		Wireless Communication Laboratory	CU4211	I MECS/ II sem	LAB	3	
		T&P				1	

15	Mr.Mahendran.M	Wireless Communication	EC8652	III/ VI sem / B sec	THEORY	3	21
		Communication Engineering	EC8395	II/IV sem ICE	THEORY	3	
		Circuits Design and Simulation Laboratory	EC8461	II / IV sem/ A sec	LAB	6	
		Microprocessors and Microcontrollers Laboratory	EC8681	III/ VI sem / A sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem MECH	LAB (1 SLOT)	3	
16	Ms.Anthuvan Lydia.M	Professional Elective -II - Multimedia Compression and Communication	EC8002	III / VI sem/ A sec	THEORY	3	18
		Microprocessors and Microcontrollers Laboratory	EC8681	III/ VI sem / ECE B sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem CSE A sec	LAB (1 SLOT)	3	
		Engineering Practices Laboratory	GE3271	I/ II sem ECE B sec	LAB (1 SLOT)	3	
		Engineering Practices Laboratory	GE3271	I/ II sem MECH	LAB (1 SLOT)	3	
17	Ms.Kiruthiga.S	Wireless Communication	EC8652	III/ VI sem / A sec	THEORY	3	18
		Microprocessors and Microcontrollers Laboratory	EC8681	III/ VI sem / B sec	LAB	6	
		Microprocessors and Microcontrollers Laboratory	EE8681	III/ VI sem/ EEE A sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem MECH	LAB	3	
18	Ms.Salai Gayathri	Linear Integrated Circuits	EC8453	II / IV sem / A sec	THEORY	4	19
		VLSI Design Laboratory	EC8661	III / VI sem/ B sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem ECE A sec	LAB (1 SLOT)	3	
		Engineering Practices Laboratory	GE3271	I/ II sem CSE B sec	LAB (1 SLOT)	3	
		Engineering Practices Laboratory	GE3271	I/ II sem CSE A sec	LAB (1 SLOT)	3	
19	Ms.Dhana Lakshmi	Communication Theory	EC8491	II / IV sem / B sec	THEORY	4	22
		Microprocessors and Microcontrollers Laboratory	EE8681	III/ VI sem/ EEE A sec	LAB	6	
		Microprocessors and Microcontrollers Laboratory	EE8681	III/ VI sem/ EEE B sec	LAB	6	
		Engineering Practices Laboratory	GE3271	I/ II sem ECE A sec	LAB (1 SLOT)	3	
		Engineering Practices Laboratory	GE3271	I/ II sem ECE B sec	LAB (1 SLOT)	3	
20	Ms.Vaishnavi.R	Long Leave					

10/3/2022
Time Table Coordinator

10/3/22
HOD/ECE

PRINCIPAL

REVIEW OF COURSE FILE

S.No.	Details	Review				
		1	2	3	4	5
	Date:	28.3.22				
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy [1]	✓				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities[1]	✓				
3.	Syllabus signed by staff & HoD[1]	✓				
4.	Lecture Schedule signed by staff & HoD[1]	✓				
5.	Course Committee meeting circular and minutes[1]	✓				
6.	Identification of Curricular gap and Content Beyond the syllabus[1]	✓				
7.	Previous AU Question papers [1]	✓				
8.	Unit wise Q&A	✓				
9.	Assignment question paper with sample answer sheets and mark entry [234]		✓	✓	✓	
10.	Tutorial question paper with sample answer sheets [234]		—	—	—	—
11.	IA test Q Paper , sample answer papers and mark entry[234]		✓	✓	✓	
12.	IA Test- Performance analysis					
13.	Content beyond the syllabus – proof [234]					
14.	Course end survey [4]				—	
15.	Internal Assessment sheet [4]					✓
16.	AU question paper with students feedback [5]					✓
17.	Discrepancy of the question paper and correspondence, if any [5]					—
18.	AU grade sheet [5]					
19.	CO – PO & PSO attainment sheet [5]					
	Signature of Course handling faculty					
	Signature of HoD					

REVISED Bloom's Taxonomy Ac

efinitions	I. Remembering	II. Understanding	III. Applying	IV. Analyzing	V. Evaluating	VI. Creating
Bloom's Definition	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.	Compile information together in a different way b combining elements in a new pattern or proposing alternative solutions.
Verbs	• Choose • Define • Find • How • Label • List • Match • Name • Omit • Recall • Relate • Select • Show • Spell • Tell • What • When • Where • Which • Who • Why	• Classify • Compare • Contrast • Demonstrate • Explain • Extend • Illustrate • Infer • Interpret • Outline • Relate • Rephrase • Show • Summarize • Translate	• Apply • Build • Choose • Construct • Develop • Experiment with • Identify • Interview • Make use of • Model • Organize • Plan • Select • Solve • Utilize	• Analyze • Assume • Categorize • Classify • Compare • Conclusion • Contrast • Discover • Dissect • Distinguish • Divide • Examine • Function • Inference • Inspect • List • Motive • Relationships • Simplify • Survey • Take part in • Test for • Theme	• Agree • Appraise • Assess • Award • Choose • Compare • Conclude • Criteria • Criticize • Decide • Deduct • Defend • Determine • Disprove • Estimate • Evaluate • Explain • Importance • Influence • Interpret • Judge • Justify • Mark • Measure • Opinion • Perceive • Prioritize • Prove • Rate • Recommend • Rule on • Select • Support • Value	• Adapt • Build • Change • Choose • Combine • Compile • Compose • Construct • Create • Delete • Design • Develop • Discuss • Elaborate • Estimate • Formulate • Happen • Imagine • Improve • Invent • Make up • Maximize • Minimize • Modify • Original • Originate • Plan • Predict • Propose • Solution • Solve • Suppose • Test • Theory

n, L. W., & Krathwohl, D. R. (2001). A taxonomy for learning, teaching, and ass

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Time Table 2021-2022 Even Semester - ONLINE

Day	Time	Year / Semester / Section	Subject Code	Subject Name	Name of the Faculty	No.of hours
Saturday	09.30 am - 11.30 am	III / VI / A	EC8094	Satellite Communication	Ms.P.Sivagamasundari	2
Saturday	09.30 am - 11.30 am	III / VI / B	EC8094	Satellite Communication	Ms.J.Eindhumathy	2
Saturday	11.30 am- 1:30 pm	IV / VIII / A	GE8076	Professional Ethics in Engineering	Dr.S.Rajeswari	2
Saturday	11.30 am- 1:30 pm	IV / VIII / B	GE8076	Professional Ethics in Engineering	Dr.S.A.Arunmozhi	2

10/3/22

HOD

PRINCIPAL

Ms.J.Eindhumathy

D.O	1 (9.15-10.15A.M)	2 (10.15-11.15A.M)	3 (11.30-12.30P.M)	(Lunch Break) 12.30– 1.15pm	4 (1.15-2.15P.M)	5 (2.15-3.15P.M)	6 (3.30-4.30P.M)
I					EC8661(B)		
II					EC8661 (A)		
III					GE3271 (CSE B)		
IV					EC8661 (A)		
V					EC8661(B)		

S.Code	Title	Year / Branch	Hours
EC8094	Satellite Communication	III/VI ECE B	2 (online)
EC8661	VLSI Design Laboratory	III/VI ECE A	6
EC8661	VLSI Design Laboratory	III/VI ECE B	6
GE3271	Engineering Practices Lab	I / II CSE B	3

TOTAL - 17 Hours

H.O.D. (ECE)
Saranathan College of Engg.
Trichirappalli - 620 012

EC8094

SATELLITE COMMUNICATION

OBJECTIVES:

- Understand the basics of satellite orbits
- Understand the satellite segment and earth segment
- Analyze the various methods of satellite access
- Understand the applications of satellites
- Understand the basics of satellite Networks

UNIT I **SATELLITE ORBITS**

Kepler"s Laws, Newton"s law, orbital parameters, orbital perturbations, station keeping, geo stationary and non Geo-stationary orbits – Look Angle Determination- Limits of visibility – eclipse-Sub satellite point –Sun transit outage-Launching Procedures - launch vehicles and propulsion.

UNIT II **SPACE SEGMENT**

Spacecraft Technology- Structure, Primary power, Attitude and Orbit control, Thermal control and Propulsion, communication Payload and supporting subsystems, Telemetry, Tracking and command-Transponders-The Antenna Subsystem.

UNIT III **SATELLITE LINK DESIGN**

Basic link analysis, Interference analysis, Rain induced attenuation and interference, Ionospheric characteristics, Link Design with and without frequency reuse.

UNIT IV **SATELLITE ACCESS AND CODING METHODS**

Modulation and Multiplexing: Voice, Data, Video, Analog – digital transmission system, Digital video Broadcast, multiple access: FDMA, TDMA, CDMA, DAMA Assignment Methods, compression – encryption, Coding Schemes.

UNIT V **SATELLITE APPLICATIONS**

INTELSAT Series, INSAT, VSAT, Mobile satellite services: GSM, GPS, INMARSAT, LEO, MEO, Satellite Navigational System. GPS Position Location Principles, Differential GPS, Direct Broadcast satellites (DBS/DTH).

TOTAL : 45 PERIODS

OUTCOMES: At the end of the course, the student would be able to:

- Analyze the satellite orbits
- Analyze the earth segment and space segment
- Analyze the satellite Link design
- Design various satellite applications

TEXT BOOKS:

1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw Hill International, 2006.
2. Timothy,Pratt,Charles,W.Bostain,JeremyE.Allnutt,"SatelliteCommunicationl,2nd Edition, Wiley Publications,2002

H.O.D. (ECE)
Saranathan College of Engg.
Trichirapalli - 620 012

Faculty

REFERENCES

1. Wilbur L.Pritchard, Hendri G. Suyderhoud, Robert A. Nelson, —Satellite Communication Systems Engineeringl, Prentice Hall/Pearson, 2007.
2. N.Agarwal, —Design of Geosynchronous Space Craftl, Prentice Hall, 1986.
3. Bruce R. Elbert, —The Satellite Communication Applicationsl, Hand Book, Artech House Bostan London, 1997.
4. Tri T. Ha, —Digital Satellite Communicationl, II nd edition, 1990.
5. Emanuel Fthenakis, —Manual of Satellite Communicationsl, Mc Graw Hill Book Co., 1984.
6. Robert G. Winch, —Telecommunication Trans Mission Systemsl, Mc Graw-Hill Book Co., 1983.
7. Brian Ackroyd, —World Satellite Communication and earth station Designl, BSP professional Books, 1990.
8. G.B.Bleazard, —Introducing Satellite communications—, NCC Publication, 1985.
9. M.Richharia, —Satellite Communication Systems-Design Principlesl, Macmillan 2003

EC8094 Satellite Communication, 65, credits: 3

Course outcomes

C410PE5.1	Explain the satellite orbits and launching of satellites
C410PE5.2	Derive and analyze the satellite uplink and downlink
C410PE5.3	Explain the components of earth segment and space segment
C410PE5.4	Explain different types of satellite access
C410PE5.5	Explain different satellite systems
C410PE5.6	Explain various specialized services provided by the satellites

CoCode	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C410PE5.1	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.2	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.3	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.4	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.5	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.6	2	2	1	1	1	-	-	-	-	1	1	1	2	2

Faculty

H.O.D [illegible]
Saranathan College of Engg
Trichirapalli - 620 012

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Accredited by NAAC with A+ grade -Affiliated to Anna University, Chennai-25)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Accredited by NBA)

LESSON PLAN (MAR- JULY 2022)

Sub Code	**: EC8094**
Sub Name	**: SATELLITE COMMUNICATION**
Branch: ECE A & B	
Year/Sem	**: IV/VII**
Staff Name	**: J.EINDHUMATHY& P.SIVAGAMASUNDHARI**

S.No	Topic	No. of Lecture Periods	Teaching methodology	References Book(S)
	UNIT I SATELLITE ORBITS			
1	Introduction, Kepler's Laws, Newton's law	1	PPT	1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw Hill International, 2006. 2.Timothy,Pratt,Charles,W.Bostain,Jeremy E.Allnutt,"SatelliteCommunicationl,2nd Edition, Wiley Publications,2002
2	Orbital parameters, orbital perturbations	2	PPT	
3	Station keeping, geo stationary and non Geo-stationary orbits	1	PPT	
4	Look Angle Determination- Limits of visibility	2	PPT	
5	Eclipse-Sub satellite point –Sun transit outage	1	PPT	
6	Launching Procedures - launch vehicles and propulsion	2	PPT	
				Total Periods : 9
	UNIT II SPACE SEGMENT			
1	Spacecraft Technology- Structure	1	PPT	1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw Hill International, 2006. 2.Timothy,Pratt,Charles,W.Bostain,Jeremy E.Allnutt,"SatelliteCommunicationl,2nd Edition, Wiley Publications,2002
2	Primary power, Attitude and Orbit control	1	PPT	
3	Thermal control and Propulsion	2	PPT	
4	Communication Payload and supporting subsystems	1	PPT	
5	Telemetry, Tracking and command	2	PPT	
6	Transponders-The Antenna Subsystem	2	PPT	
				Total Periods : 9
	UNIT III SATELLITE LINK DESIGN			
1	Basic link analysis	2	PPT	1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw
2	Interference analysis	2	PPT	
3	Rain induced attenuation and interference	2	PPT	

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

(Accredited by NBA)

LESSON PLAN (MAR- JULY 2022)

Sub Code	**: EC8094**
Sub Name	**: SATELLITE COMMUNICATION**
Branch : ECE A & B	
Year/Sem	**: IV/VII**
Staff Name	**: J.EINDHUMATHY& P.SIVAGAMASUNDHARI**

S.No	Topic	No. of Lecture Periods	Teaching methodology	References Book(S)
	UNIT I SATELLITE ORBITS			
1	Introduction, Kepler's Laws, Newton's law	1	PPT	1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw Hill International, 2006. 2.Timothy,Pratt,Charles,W.Bostain,Jeremy E.Allnutt,"SatelliteCommunicationl,2nd Edition, Wiley Publications,2002
2	Orbital parameters, orbital perturbations	2	PPT	
3	Station keeping, geo stationary and non Geo-stationary orbits	1	PPT	
4	Look Angle Determination- Limits of visibility	2	PPT	
5	Eclipse-Sub satellite point –Sun transit outage	1	PPT	
6	Launching Procedures - launch vehicles and propulsion	2	PPT	
				Total Periods : 9
	UNIT II SPACE SEGMENT			
1	Spacecraft Technology- Structure	1	PPT	1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw Hill International, 2006. 2.Timothy,Pratt,Charles,W.Bostain,Jeremy E.Allnutt,"SatelliteCommunicationl,2nd Edition, Wiley Publications,2002
2	Primary power, Attitude and Orbit control	1	PPT	
3	Thermal control and Propulsion	2	PPT	
4	Communication Payload and supporting subsystems	1	PPT	
5	Telemetry, Tracking and command	2	PPT	
6	Transponders-The Antenna Subsystem	2	PPT	
				Total Periods : 9
	UNIT III SATELLITE LINK DESIGN			
1	Basic link analysis	2	PPT	1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw
2	Interference analysis	2	PPT	
3	Rain induced attenuation and interference	2	PPT	

4	Ionospheric characteristics	1	PPT	Hill International, 2006. 2.Timothy,Pratt,Charles,W.Bostain,Jeremy E.Allnutt,"SatelliteCommunicationl,2nd Edition, Wiley Publications,2002
5	Link Design with and without frequency reuse.	2	PPT	

Total Periods : 9

UNIT IV SATELLITE ACCESS AND CODING METHODS

1	Modulation and Multiplexing: Voice, Data, Video	2	PPT	1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw Hill International, 2006. 2.Timothy,Pratt,Charles,W.Bostain,Jeremy E.Allnutt,"SatelliteCommunicationl,2nd Edition, Wiley Publications,2002
2	Analog – digital transmission system	1	PPT	
3	Digital video Broadcast	2	PPT	
4	Multiple access: FDMA, TDMA, CDMA, DAMA Assignment Methods	2	PPT	
5	Compression – encryption, Coding Schemes.	2	PPT	

Total Periods : 9

UNIT V SATELLITE APPLICATIONS

1	INTELSAT Series	2	PPT	1. Dennis Roddy, —Satellite Communicationl, 4th Edition, Mc Graw Hill International, 2006. 2.Timothy,Pratt,Charles,W.Bostain,Jeremy E.Allnutt,"SatelliteCommunicationl,2nd Edition, Wiley Publications,2002
2	INSAT, VSAT	1	PPT	
3	Mobile satellite services: GSM, GPS	1	PPT	
4	INMARSAT, LEO, MEO	2	PPT	
5	Satellite Navigational System	1	PPT	
6	GPS Position Location Principles, Differential GPS	1	PPT	
7	Direct Broadcast satellites (DBS/DTH).	1	PPT	

Total Periods : 9

Value added topic: EOS-04, INS-2TD and INSPIRESat-1 satellites- 1 PERIOD

TOTAL: 46 periods

Faculty

H.O.D. (ECE)
Sarapathar College of Engg.
Trichirapalli - 620 012

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI

DEPARTMENT OF ECE

CIRCULAR

16.03.2022

Course committee meeting for VI semester ECE additional subject Satellite Communication for III year ECE students will be held on 18-03-2022 between 11.15 Am and 11.30 Am at Microwave lab. The committee members are requested to attend the meeting. They are requested to bring their subject syllabus.

AGENDA

1. Discussion about Content of syllabus
2. Availability of books in the library
3. CO framing
4. Content beyond syllabus (CBS) - curricular gaps

Course committee members

S.No.	Name of the faculty & Designation, Program	Sem/Sec/Program	Signature
1.	Ms. J.EINDHUMATHY / AP / ECE	VI SEM/A/ ECE	
2.	P.SIVAGAMASUNDHARI/AP/ ECE	VI SEM/B/ ECE	

HOD / ECE

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DATE: 18.03.2022

SCE/ECE/Course committee meeting /2021-2022

COURSE COMMITTEE MEETING-EC8094-Satellite Communication

ACADEMIC YEAR: 2021-2022 (EVEN) **SEM:** 06 **REGULATION:** 2017

PROGRAM: ECE **DATE OF MEETING:** 18.03.2022 **TIME:** 11.15 AM

Venue: ECE Dept. MICROWAVE LAB

Members Present

Table.1 Course committee members

S.No.	Name of the faculty & Designation, Program	Sem/Sec/Program	Signature
1.	DR.M.SANTHI, HOD/ECE -		
2.	J.EINDHUMATHY, AP/ECE	VI SEM / A / ECE	
3.	P.SIVAGAMASUNDARI,AP/ECE	VI SEM / B / ECE	

HOD welcomed all the members present

1. Content of syllabus, unit wise discussed. Nature of qualitative, quantitative, problematic, theoretical concepts etc. have been discussed
2. With reference to the R-2017 regulation, Number of periods per unit = 9, total number of periods = 45 periods.
3. Vision and mission of the college, department discussed. POs, PEOs, PSOs discussed.
4. Course outcomes defined for each units, considering learning outcomes.

Table.2 Course Outcomes

CO	Course Outcomes	POs	PSOs
C410PE5.1	Explain the satellite orbits and launching of satellites	1,2,3,4,5,10,11,12	1,2
C410PE5.2	Explain the components of space segment	1,2,3,4,5,10,11,12	1,2
C410PE5.3	Derive and analyze the satellite uplink and downlink	1,2,3,4,5,10,11,12	1,2
C410PE5.4	Explain different types of satellite access	1,2,3,4,5,10,11,12	1,2
C410PE5.5	Explain different satellite systems	1,2,3,4,5,10,11,12	1,2
C410PE5.6	Explain various specialized services provided by the satellites	1,2,3,4,5,10,11,12	1,2

5. Mapping of COs with POs and PSOs is done with suitable correlation levels (1 for low, 2 for medium, 3 for high,"-" for no correlation, before content beyond syllabus)

Table.3 Mapping of COs, C, PSOs with POs- before CBS.

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C410PE5.1	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.2	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.3	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.4	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.5	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.6	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5	2	2	1	1	1	-	-	-	-	1	1	1	2	2

6. Identification of content beyond syllabus- curricular gaps are identified considering industry needs, employers feedback, alumni feedback, government policy on industrialization, new investments by private/ public sectors, societal needs and level of correlation of COs with POs and PSOs. Accordingly the details of CBS added and its correlation is given below.

Table.4 Identification of content beyond syllabus

Content beyond syllabus added	POs strengthened/Vacant filled	CO/Unit
EOS-04, INS-2TD and	PO6 (1) Vacant filled	C410PE5.5,6/ V

7. Mapping of COs with POs, PSOs- after CBS.

Table.5 Mapping of COs, C, PSOs with POs- after CBS.

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C410PE5.1	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.2	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.3	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.4	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.5	2	2	1	1	1	1*	-	-	-	1	1	1	2	2
C410PE5.6	2	2	1	1	1	1*	-	-	-	1	1	1	2	2
C410PE5	2	2	1	1	1	1*	-	-	-	1	1	1	2	2

8. Content beyond syllabus is thus identified based on the above. Plan for handling of CBS by internal/external resource person/ industrial visits are decided. This will be included in the class log book.
9. Lecture schedule should be prepared unit wise, as in the syllabus. Number of periods per unit and total number of periods planned should not be less than, periods allotted in the syllabus of Anna University.
10. Plan for additional Periods for IA tests, CBS, NPTEL delivery, Seminar, Quiz etc are to be incorporated in the lecture schedule. These periods are added exclusive of number of periods prescribed in the syllabus.
11. Plan for at least three assignments (with level of correlation), seminar topic, quiz questions discussed.
12. Bright students and slow learners are to be identified, immediately after IA test - I. such students may be counselled suitably and the evidence for counselling to be recorded in the attendance cum assessment record. (Sign of students with date and time of counselling, to be strictly recorded and to be attached in the course file). Such counselling may be conducted after college hours.
13. For those students secured less than 60% in the IA Test, Makeup test should be conducted. Correspondingly root cause analysis for reasons of failure, corrective and preventive action, and follow up action taken should be filed properly.
14. Contents of course file to be reviewed periodically.
15. Lecture schedule, assignment questions, tutorial questions, course materials, AU questions (at least 5) should be supplied within one week after the commencement of classes.
16. Course material should be uploaded in the college website for student's reference.
17. Discrepancy in question paper, if any to be informed to the controller of examinations through web portal entry, after getting approval from the HoD & the Principal. Critically asked questions, if any to be discussed with the students of the next batch.
18. Immediately after the publication of the results, analysis are to be carried out and follow up action to be taken for the failures.
19. IA test question papers should be set as per the norms of the college, incorporating marks for learning outcomes and course outcomes. Common question papers should be set.
20. Certificate courses/Workshop/guest lectures may be planned inviting experts from industry/higher learning institutions.
21. After IA test, an objective type tests may be conducted (3 times in a semester-30 minutes duration-maximum 10 questions). Questions asked in GATE, TANCET, IES or any other Competitive examination can be taken as a reference. This is to facilitate the bright students to prepare for higher level of thinking and to enhance placement and higher studies opportunities.
22. IA test papers, assignment papers or any other papers submitted by the students, should be returned to the students within 5 days after correction. Sample paper should be suitably filed.

Course coordinator

HOD/ECE

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Identification of curricular gap &Content Beyond Syllabus(CBS)

Name of the Faculty : J.EINDHUMATHY & P.SIVAGAMASUNDHARI
Course Code & Name:EC8094 SATELLITE COMMUNICATION
Degree & Program : B.E. ECE Semester & Section : VI / A&B

I. Mapping of Course Outcomes with POs & PSOs.(before CBS)

Table.1 Mapping of COs, C, PSOs with POs - before CBS

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PS02
C410PE5.1	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.2	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.3	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.4	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.5	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.6	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5	2	2	1	1	1	-	-	-	-	1	1	1	2	2

II. Identification of content beyond syllabus.

Table.2 Identification of content beyond syllabus

Details of Content Beyond Syllabus(CBS) added	POs strengthened/ vacant filled	CO/Unit
EOS-04, INS-2TD and INSPIRESat-1 satellites	PO6 (1) Vacant filled	C410PE5.5,6/ V

III. Mapping of Course Outcomes with POs & PSOs. (After CBS)

Table.3 Mapping of COs, C, PSOs with POs- after CBS.

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO1i	PO12	PSO1	PS02
C410PE5.1	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.2	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.3	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.4	2	2	1	1	1	-	-	-	-	1	1	1	2	2
C410PE5.5	2	2	1	1	1	1*	-	-	-	1	1	1	2	2
C410PE5.6	2	2	1	1	1	1*	-	-	-	1	1	1	2	2
C410PE5	2	2	1	1	1	1*	-	-	-	1	1	1	2	2

Signature of the Faculty

HoD/ECE

Assignment – 01						
Course code	EC 8094	**Course Title**	**Date of Issue:**	26.04.2022	**Marks**	10
Year	III	**Semester/Section**	VI / A	**Date of Submission:**	04.05.2022	

Q.No	Questions	CO
1	Calculate the radius of a circular orbit for which the period is 1 day	C410PE5.1
2	Calculate the apogee and perigee heights for the orbital parameters. Assume a mean earth radius of 6371 km. e .0011501 and a 7192.335 km.	C410PE5.1
3	Determine the rate of regression of the nodes and the rate of rotation of the line of apsides for the satellite parameters. i 98.6328°; e 0.0011501; NN =14.23304826 day^{-1}; a 7192.335 km, and the known constant: $K1$ 66063.1704 km^2	C410PE5.1
4	Calculate, for the satellite, the new values for w and Ω one period after epoch. NN 14.23304826 day-1; $w0$ 113.5534°; Ω0 251.5324°	C410PE5.1
5	An Earth station is located at 30◦W longitude and 60◦N latitude. Determine the Earth station's azimuth and elevation angles with respect to a geostationary satellite located at 50◦W longitude. The orbital radius is 42 164 km. (Assume the radius of the Earth to be 6378 km.)	C410PE5.1

Mark Allocation

Description	Marks Allotted
Content	6
Presentation	2
Submission	2
Total	10

Name and Signature of the Faculty
J. FINDHUMATHI

HoD/ECE

S. Hari Ganesh
222030

SATELLITE COMMUNICATION
ASSIGNMENT

1) Calculate the radius of a circular orbit for which the period is 1-day.

Content - 6
Submission, presentation - 2 + 2
10

Solution:

⇒ There are 86,400 seconds in one day.

Orbit period $p = \frac{2\pi}{n}$

Mean motion of the satellite $n = \frac{2\pi}{86400}$

$$n = 7.272 \times 10^{-5} \text{ rad/sec}$$

According to kepler's third law,

$$a^3 = \frac{\mu}{n^2}$$

$$a = \left(\frac{\mu}{n^2}\right)^{1/3}$$

$$a = \left[\frac{3.986005 \times 10^{14}}{(7.272 \times 10^{-5})^2}\right]^{1/3}$$

$$= \left[0.07537 \times 10^{24}\right]^{1/3}$$

$$\boxed{a = 42240.8 \text{ km}}$$

SATELLITE COMMUNICATION
EC8094
ASSIGNMENT

S. BHARATH HARI
ECE-A
III rd YEAR
222016

Content – 5
Submission – 2
presentation – 1
8

① Calculate the radius of a circle for which the period is 1 day.

There are 86,400 seconds in 1 day,

∴ The mean rotation is,

$$n = \frac{2\pi}{86400} = 7.272 \times 10^{-5} \text{ rad/s}$$

From Kepler's third law,

$$a^3 = \frac{\mu}{n^2}$$

$$\mu = 3.986 \times 10^{14} \text{ m}^3/\text{s}^2$$

$$a = \left[\frac{\mu}{n^2}\right]^{1/3}$$

$$= \left[\frac{3.986005 \times 10^{14}}{(7.272 \times 10^{-5})^2}\right]^{1/3}$$

$$\boxed{a = 42.241 \text{ km}}$$

② Calculate the apogee and perigee heights for the orbital parameters. Assume a mean earth radius of 6731km $e = .0011501$ and $a = 7192.335$ km

$$r_a = 7192.335 [1 + 0.0011501]$$

$$r_a = 7200.607 \text{ km}$$

Dharsini Sri Monisha. J
222025
ECE-A sec

Satellite Communication
Assignment - 01

1. Calculate the radius of a circular orbit for which the period is 1 day.

Content - 6
Submission - 2
presentation - 2
10

There are 86,400 seconds in 1day and therefore the mean motion is

$$n = \frac{2\pi}{86400}$$

$$= 7.272 \times 10^{-5} \text{ rad/s}.$$

From Kepler's third law,

$$a = \left[\frac{3.986005 \times 10^{14}}{(7.272 \times 10^{-5})^2}\right]^{1/3}$$

$$= 42,241 \text{ km}.$$

Since, the orbit is circular the semimajor axis is also the radius.

2) Calculate the apogee and perigee heights for the orbital parameters. Assume a mean Earth radius of 6371km e. 0011501 and a 7192.335 km.

$$r_a = a(1+e)$$

$$r_p = a(1-e)$$

$$r_a = 7192.335\,(1 + 0.0011501)$$

$$= 7200.607 \text{ km}$$

SARANATHAN COLLEGE OF ENGINEERING

Tiruchirapalli - 620 012

ANSWER BOOK

Name	M. AARTHI			Year / Semester / Section	III / VI / A
Batch No.	222002	Date / Session	23.05.22/AN	Department	ECE
Course Code	EC8094	Course Title	Satellite communication		
Internal Assessment Test	I ☑	II ☑	III ☐	Model ☐	No. of pages used : 15
Name and Signature of the Invigilator with date					

INSTRUCTIONS TO THE CANDIDATES :

1. Answers for Part-A must be written in pages 2-6. Answers for Part-B must be written from page 7 onwards.
2. Write your Batch Number in the Question Paper.
3. Use both sides of the paper for answering questions.
4. The answer book contains sufficient pages and no additional sheets will be given.
5. Possesion of any incriminating material and malpractice of any nature shall be punishable as per rules.
6. Answer must be legibly written in pen (blue or black colour)

Instruction to the student : Put tick mark to the question attended in the column against question.

Part A			Part B / C					Total Marks
Q. NO.	✔	Marks	Q. NO.	✔	(a) Marks	✔	(b) Marks	
1	✓	2	11					
2	✓	2	12	✓	9			9
3	✓	2	13					
4	✓	2	14	✓	9			9
5	✓	2	15					
6	✓	2	16	✓	10			10
7	✓	2					Total	28
8	✓	2						
9	✓	2						
10	✓	2						
Total		20						

48/50 — 96% — Grand Total

D. Sandhumathy 25/5/22 — Name and Signature of the Examiner with date

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20					50
Marks Obtained	29	19					48

QAC Audit - Remarks : —

P. Shanmugapriya — Name and Signature of the QAC member

Tutorial			Date of Issue:	18.11.2021	Marks	10
Course code	EC8701	Course Title	Antennas and Microwave Engineering			
Year	2021-2022 ODD	Semester/Section	VII/B	Date of Submission:	22.11.2021	

Q No	Questions	COs	POs	PSOs
1	(i)Design a 50-200 MHz log periodic dipole antenna for gain corresponds to scale factor 0.8 and space factor 0.15. Assume the gap spacing at the smallest dipole is 3.6 mm. (ii)Calculate the BWFN of a 2.5m paraboloid reflector used at 6 GHz.	C401.2	PO2 PO3 & PO5	PSO2
2	(i)A linear broadside array consists of four equal isotropic in phase point sources with spacing equal to $\lambda/3$. Calculate the directivity and beam width if the total length of the array is λ. (ii)Using pattern multiplication principle, find the radiation pattern for the broadside array of 4 elements, spacing between each element is $\lambda/2$. (iii)Obtain the excitation coefficients of a seven element binomial array.	C401.3	PO2 PO3 & PO5	PSO2
3	(i)Power at the input port is 900mW. If this power is incident on 20dB coupler with directivity 40dB, what is the coupled power and transmitted power? (ii)A helical slow wave structure has a pitch 'p' 2mm and a diameter of 4cm. Calculate the wave velocity in axial direction of helix. (iii)A TWT operates under the parameters Beam voltage =3KV; Beam Current=30mA; Characteristic Impedance of Helix=10ohms ; Circuit Length =50; Frequency=10GHz Calculate (i) Gain (ii) Output Power gain in dB (iii) Four propagation constants. (iv)A 2 cavity Klystron has the following parameters V0=1000V; R0=40 Kohms; Io=25mA ; f=3 GHz Gap spacing in either cavity(d) =1mm; Spacing between2 cavities L=4 cm; Effective shunt impedance Rth=30Kohms Calculate input gap voltage , voltage gain and efficiency.	C401.4	PO2 PO3 & PO5	PSO2

Mark Allocation

Description	Marks Allotted	Marks obtained
Content	6	
Presentation	2	
Submission	2	
Total	10	

P Shanmugapriya

Name and Signature of the Faculty In-charge

HoD/ECE

Antenna and Microwave Engineering

Tutorial problem

S. Sharmini
212094
4th - ECE - B

Design a 50-200 MHz log periodic dipole antenna for gain corresponding to scale factor 0.8 and space factor 0.15. Assume the gap spacing at smallest dipole is 3.6mm

Solution:

Scale factor = $0.8 = K$

Space factor = $0.15 = S_K$

Gap = 3.6mm

$$\tan\alpha = \frac{1-K}{4S_K} = \frac{1-0.8}{4(0.15)} = 0.33$$

$$\alpha = \tan^{-1}(0.333) \approx 18.43^\circ$$

$$\log(f_H) - \log(f_L) = (n-1)\log(1/K)$$

$$\log(200\times10^6) - \log(50\times10^6) = (n-1)\log(1/0.8)$$

$$8.301 - 4.98 = (n-1)(0.0969)$$

$$\frac{(0.603)}{0.0969} = (n-1)$$

$$n = 7.22.$$

Length of last dipole,

$$L_7 = \tfrac{1}{2}\,c/f_L = \frac{3\times10^8}{2\times50\times10^6} = 3m$$

$$L_n/L_{n+1} = K = 0.8$$

$L_6 = KL_7 = 0.8(3) = 2.4m$

$L_5 = KL_6 = 0.8(2.4) = 1.92m$

$L_4 = KL_5 = 0.8(1.93) = 1.53m$

$L_3 = KL_4 = 0.8(1.53) = 1.22m$

$L_2 = KL_3 = 0.8(1.22) = 0.98m$

$L_1 = KL_2 = 0.8(0.98) = 0.78m$.

Distance between dipole,

$$S_n = \frac{L_n}{2\tan\alpha}$$

$S_1 = 1.11m$ $S_3 = 1.813m$ $S_5 = 2.88m$ $S_7 = 4.50m$

$S_2 = 1.47m$ $S_4 = 2.29m$ $S_6 = 3.60m$

Content – 5/6
Presentation – 2/2
Submission – 2/2
Total 9/10

24/11/21

Thenmozhi.A (212111)

IV year ECE-B

EC8701

TUTORIAL 1 & TUTORIAL 2

Content – 6
Presentation – 2
Submission – 2
10

1) Scale factor = 0.8 = k

Space factor = 0.15 = S_k

Gap = 3.6 mm

$$\tan\alpha = \frac{1-k}{AS_k} = \frac{1-0.8}{4(0.15)} = 0.333$$

24.11.21

$$\alpha = \tan^{-1}(0.333) \simeq 18.43^\circ$$

$$\log(f_u) - \log(f_L) = (n-1)\log(1/k)$$

$$\log(200\times10^6) - \log(50\times10^6) = (n-1)\log(1/0.8)$$

$$8.301 - 4.98 = (n-1)(0.0969)$$

$$\frac{(0.603)}{0.0969} = (n-1)$$

$$n = 7.22$$

Length of last dipole

$$L_7 = 1/2\ c/f_L = \frac{3\times10^8}{2\times50\times10^6} = 3m$$

$$L_n/L_{n+1} = k = 0.8$$

$L_6 = kL_7 = 0.8(3) = 2.4$ m

$L_5 = kL_6 = 0.8(2.4) = 1.92$ m

$L_4 = kL_5 = 0.8(1.92) = 1.53$ m

$L_3 = kL_4 = 0.8(1.53) = 1.22$ m

$L_2 = kL_3 = 0.8(1.22) = 0.98$ m

$L_1 = kL_1 = 0.8(0.98) = 0.78$ m

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 20.6.2022

Ref : SCE/Syllabus/Theory/2020-22 - Even sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Electromagnetic Fields , code EC8451 for II year, IV semester, department of ECE B.E/~~B.Tech/MBA~~ during the academic year 2021 – 22, even semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 53 periods, revised syllabus for 03 periods and discussed the Anna University Examination question papers of the last 3 years.

Signature : P Shanmugapriya

Name : P. Shanmugapriya

Designation : Associate Professor

Department : ECE

Date : 20.6.2022

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 27/12/2021

Ref : SCE/Syllabus/Theory/2021-22 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Discrete Time Signal Processing code EC8553 for III year, V semester, department of ECE B.E/~~B.Tech/MBA~~ during the academic year 2021 – 22, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 50 periods, revised syllabus for 10 periods and discussed the Anna University Examination question papers of the last 3 years.

Signature : PShy

Name : P. Shanmugapriya

Designation : Associate Professor

Department : ECE

Date : 27/12/2021

Signature of HoD : M. Shd

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 20/6/2022

Ref : SCE/Syllabus/Laboratory/2021-22- Even sem/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: Dr.M.Padma	Name	: V. Koushik
Designation	: Professor	Designation	: Assistant Professor
Department	: ECE		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 27/12/2024

Ref : SCE/Syllabus/Laboratory/2021-22- ~~Even~~ Odd sem/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: P. Saranmugapriya	Name	: V. Mohan
Designation	: Associate Professor	Designation	: Asso. Prof.
Department	: ECE		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (ECE)**
Subject Code : **EC8351** NBA Code : **C203** Title **ELECTRONIC CIRCUITS- I**
Faculty: Mr.S.Hariprasath / Dr.M.Baritha Begum

Cos	CO Description	Attained Level	%
C203.1	Design, construct and analyze the operations of circuits with transistor biasing	2.44	81.33
C203.2	Analyze the performance of small signal BJT amplifiers - single stage and multi stage amplifiers	2.47	82.33
C203.3	Analyze the performance of small signal FET amplifiers - single stage and multi stage amplifiers	2.46	82.00
C203.4	Acquire knowledge of frequency response characteristics of BJT and FET amplifiers	2.51	83.67
C203.5	Acquire knowledge of Working principles, characteristics and applications of Rectifiers and Filters	2.51	83.67
C203.6	Apply the knowledge gained in the design of Regulators	2.44	81.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 108

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
232001	EC8351	3	2	2	2	3	2	30/03/2022	ECE	3
232002	EC8351	2	2	3	2	3	3	30/03/2022	ECE	3
232003	EC8351	2	3	3	3	2	3	30/03/2022	ECE	3
232004	EC8351	2	2	2	2	3	3	30/03/2022	ECE	3
232005	EC8351	2	2	2	2	2	2	30/03/2022	ECE	3
232006	EC8351	2	2	2	2	2	3	30/03/2022	ECE	3
232007	EC8351	3	3	3	3	3	3	30/03/2022	ECE	3
232008	EC8351	3	2	2	3	3	2	30/03/2022	ECE	3
232010	EC8351	3	3	3	2	2	2	30/03/2022	ECE	3
232011	EC8351	3	2	2	3	2	3	30/03/2022	ECE	3
232012	EC8351	2	3	2	3	2	2	30/03/2022	ECE	3
232013	EC8351	2	3	2	2	2	3	30/03/2022	ECE	3
232014	EC8351	3	3	3	3	3	3	30/03/2022	ECE	3
232015	EC8351	2	2	2	3	2	3	30/03/2022	ECE	3
232016	EC8351	3	3	2	2	3	3	30/03/2022	ECE	3
232017	EC8351	2	2	3	3	3	2	30/03/2022	ECE	3
232018	EC8351	3	3	2	3	3	2	30/03/2022	ECE	3
232019	EC8351	2	3	3	3	2	2	30/03/2022	ECE	3
232020	EC8351	2	3	3	2	3	3	30/03/2022	ECE	3
232021	EC8351	3	2	2	2	2	3	30/03/2022	ECE	3

232022	EC8351	3	3	2	2	2	2	30/03/2022	ECE	3
232023	EC8351	2	2	3	3	2	2	30/03/2022	ECE	3
232024	EC8351	3	2	2	2	2	3	30/03/2022	ECE	3
232025	EC8351	2	3	3	3	2	3	30/03/2022	ECE	3
232026	EC8351	2	3	3	3	2	2	30/03/2022	ECE	3
232027	EC8351	2	3	3	3	3	2	30/03/2022	ECE	3
232028	EC8351	3	3	3	2	2	2	30/03/2022	ECE	3
232029	EC8351	2	3	2	2	2	3	30/03/2022	ECE	3
232030	EC8351	2	2	2	2	2	2	30/03/2022	ECE	3
232031	EC8351	3	3	2	3	2	2	30/03/2022	ECE	3
232032	EC8351	3	2	3	2	2	3	30/03/2022	ECE	3
232033	EC8351	2	3	3	3	3	3	30/03/2022	ECE	3
232034	EC8351	2	2	3	2	3	3	30/03/2022	ECE	3
232036	EC8351	2	3	2	3	2	2	30/03/2022	ECE	3
232037	EC8351	2	3	2	2	2	3	30/03/2022	ECE	3
232038	EC8351	3	3	2	2	2	3	30/03/2022	ECE	3
232039	EC8351	2	3	3	2	3	3	30/03/2022	ECE	3
232040	EC8351	2	2	3	3	2	2	30/03/2022	ECE	3
232041	EC8351	3	3	2	3	3	2	30/03/2022	ECE	3
232042	EC8351	3	2	2	3	2	3	30/03/2022	ECE	3
232043	EC8351	3	3	3	3	2	2	30/03/2022	ECE	3
232044	EC8351	2	2	2	2	2	3	30/03/2022	ECE	3
232045	EC8351	2	2	3	3	3	2	30/03/2022	ECE	3
232046	EC8351	2	3	3	3	3	2	30/03/2022	ECE	3
232047	EC8351	3	2	3	2	2	3	30/03/2022	ECE	3
232048	EC8351	3	3	3	2	3	2	30/03/2022	ECE	3
232049	EC8351	2	3	3	3	2	2	30/03/2022	ECE	3
232050	EC8351	3	2	2	2	3	2	30/03/2022	ECE	3
232051	EC8351	3	3	2	3	3	2	30/03/2022	ECE	3
232052	EC8351	2	2	2	2	3	2	30/03/2022	ECE	3
232053	EC8351	3	2	2	3	3	3	30/03/2022	ECE	3
232054	EC8351	3	3	2	3	3	2	30/03/2022	ECE	3
232055	EC8351	3	2	2	2	2	2	30/03/2022	ECE	3
232056	EC8351	2	2	2	3	3	2	30/03/2022	ECE	3
232058	EC8351	2	2	3	3	3	3	30/03/2022	ECE	3
232059	EC8351	2	3	3	2	3	2	30/03/2022	ECE	3
232060	EC8351	2	3	3	3	3	2	30/03/2022	ECE	3
232061	EC8351	2	3	2	3	3	2	30/03/2022	ECE	3
232062	EC8351	3	3	2	3	3	3	30/03/2022	ECE	3
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232064	EC8351	2	2	2	2	3	3	30/03/2022	ECE	3
232065	EC8351	3	3	3	3	2	3	30/03/2022	ECE	3

232066	EC8351	2	2	2	2	2	2	30/03/2022	ECE	3
232067	EC8351	2	3	2	2	3	2	30/03/2022	ECE	3
232068	EC8351	2	3	3	3	3	3	30/03/2022	ECE	3
232070	EC8351	2	2	3	3	3	2	30/03/2022	ECE	3
232071	EC8351	3	2	2	2	2	3	30/03/2022	ECE	3
232072	EC8351	3	3	2	3	2	2	30/03/2022	ECE	3
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232074	EC8351	2	2	3	2	3	3	30/03/2022	ECE	3
232075	EC8351	3	2	3	3	3	2	30/03/2022	ECE	3
232076	EC8351	3	2	2	2	2	3	30/03/2022	ECE	3
232077	EC8351	2	3	3	2	3	3	30/03/2022	ECE	3
232078	EC8351	2	3	3	2	3	2	30/03/2022	ECE	3
232079	EC8351	3	2	3	3	2	3	30/03/2022	ECE	3
232080	EC8351	3	2	2	3	3	2	30/03/2022	ECE	3
232081	EC8351	3	2	2	3	2	3	30/03/2022	ECE	3
232082	EC8351	3	3	2	3	3	2	30/03/2022	ECE	3
232083	EC8351	3	2	2	3	2	3	30/03/2022	ECE	3
232084	EC8351	2	2	3	2	2	3	30/03/2022	ECE	3
232085	EC8351	3	3	3	3	2	2	30/03/2022	ECE	3
232086	EC8351	2	2	2	3	3	3	30/03/2022	ECE	3
232087	EC8351	2	2	2	2	2	2	30/03/2022	ECE	3
232088	EC8351	3	2	3	3	2	2	30/03/2022	ECE	3
232089	EC8351	2	3	2	2	2	2	30/03/2022	ECE	3
232090	EC8351	3	2	3	3	3	3	30/03/2022	ECE	3
232091	EC8351	2	2	3	3	2	2	30/03/2022	ECE	3
232092	EC8351	2	3	2	2	3	3	30/03/2022	ECE	3
232093	EC8351	2	2	2	2	3	2	30/03/2022	ECE	3
232094	EC8351	3	3	2	2	3	2	30/03/2022	ECE	3
232095	EC8351	2	2	3	2	2	3	30/03/2022	ECE	3
232096	EC8351	2	2	2	2	2	2	30/03/2022	ECE	3
232097	EC8351	3	2	3	3	3	2	30/03/2022	ECE	3
232098	EC8351	2	3	3	2	2	2	30/03/2022	ECE	3
232099	EC8351	3	3	2	2	2	2	30/03/2022	ECE	3
232100	EC8351	3	3	2	2	3	2	30/03/2022	ECE	3
232101	EC8351	2	2	2	2	3	2	30/03/2022	ECE	3
232102	EC8351	2	2	3	2	3	2	30/03/2022	ECE	3
232103	EC8351	2	3	3	2	3	2	30/03/2022	ECE	3
232104	EC8351	3	2	3	3	2	3	30/03/2022	ECE	3
232105	EC8351	2	2	3	3	3	2	30/03/2022	ECE	3
232106	EC8351	3	3	3	3	3	2	30/03/2022	ECE	3
232107	EC8351	2	2	2	3	2	3	30/03/2022	ECE	3

232108	EC8351	3	2	2	3	2	2	30/03/2022	ECE	3
232109	EC8351	2	3	2	3	2	2	30/03/2022	ECE	3
232110	EC8351	3	2	2	2	2	2	30/03/2022	ECE	3
232111	EC8351	2	2	3	2	3	3	30/03/2022	ECE	3
232112	EC8351	3	3	2	3	3	3	30/03/2022	ECE	3
Attained Level		2.44	2.47	2.46	2.51	2.51	2.44			
%		81.33	82.33	82.00	83.67	83.67	81.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22EVEN** Semester : **4** Programme: **B.E/B.Tech (ECE)**
Subject Code : **EC8451** NBA Code : **C213** Title **ELECTROMAGNETIC FIELDS**
Faculty: Dr.P.Shanmugapriya / Dr.V.Mohan

Cos	CO Description	Attained Level	%
C213.1	Display an understanding of fundamental electromagnetic laws and concepts	2.56	85.33
C213.2	Analyze field potentials due to static charges and explain how materials affect electric fields.	2.46	82.00
C213.3	Analyze field potentials due to static magnetic fields and explain how materials affect magnetic fields.	2.45	81.67
C213.4	Write Maxwell's equations in integral, differential and phasor forms and explain their physical meaning, also analyze the relation between the fields under time varying situations	2.52	84.00
C213.5	Explain electromagnetic wave propagation in lossy and in lossless media.	2.51	83.67
C213.6	Discuss the principles of propagation of uniform plane waves and also solve simple problems requiring estimation of electric and magnetic field quantities based on these concepts and laws.	2.47	82.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 108

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
232001	EC8451	2	3	3	3	2	2	24/08/2022	ECE	4
232002	EC8451	3	3	2	2	3	2	24/08/2022	ECE	4
232003	EC8451	2	2	2	3	3	3	24/08/2022	ECE	4
232004	EC8451	2	3	2	3	3	3	24/08/2022	ECE	4
232005	EC8451	3	3	2	2	3	3	24/08/2022	ECE	4
232006	EC8451	2	3	3	3	2	2	24/08/2022	ECE	4
232007	EC8451	3	2	3	3	2	3	24/08/2022	ECE	4
232008	EC8451	2	3	2	3	2	2	24/08/2022	ECE	4
232010	EC8451	2	2	2	3	3	2	24/08/2022	ECE	4
232011	EC8451	2	3	3	2	3	2	24/08/2022	ECE	4
232012	EC8451	3	3	3	2	2	2	24/08/2022	ECE	4
232013	EC8451	3	3	3	3	2	3	24/08/2022	ECE	4
232014	EC8451	3	2	2	3	2	2	24/08/2022	ECE	4
232015	EC8451	3	3	2	3	3	3	24/08/2022	ECE	4
232016	EC8451	3	3	3	3	3	2	24/08/2022	ECE	4
232017	EC8451	2	2	2	2	3	2	24/08/2022	ECE	4
232018	EC8451	2	3	3	3	2	3	24/08/2022	ECE	4
232019	EC8451	2	3	2	3	2	3	24/08/2022	ECE	4
232020	EC8451	2	2	3	2	3	3	24/08/2022	ECE	4

232021	EC8451	3	2	3	2	2	2	24/08/2022	ECE	4
232022	EC8451	2	2	2	3	3	2	24/08/2022	ECE	4
232023	EC8451	2	3	2	2	2	3	24/08/2022	ECE	4
232024	EC8451	3	3	3	3	3	2	24/08/2022	ECE	4
232025	EC8451	3	3	3	2	3	3	24/08/2022	ECE	4
232026	EC8451	3	2	3	3	3	2	24/08/2022	ECE	4
232027	EC8451	2	3	2	2	3	2	24/08/2022	ECE	4
232028	EC8451	3	2	3	3	3	3	24/08/2022	ECE	4
232029	EC8451	3	3	2	2	3	3	24/08/2022	ECE	4
232030	EC8451	3	2	2	2	3	2	24/08/2022	ECE	4
232031	EC8451	3	3	3	2	2	3	24/08/2022	ECE	4
232032	EC8451	3	2	3	3	2	3	24/08/2022	ECE	4
232033	EC8451	3	3	2	2	2	2	24/08/2022	ECE	4
232034	EC8451	3	2	3	2	3	3	24/08/2022	ECE	4
232036	EC8451	2	2	2	3	2	2	24/08/2022	ECE	4
232037	EC8451	2	2	2	3	2	3	24/08/2022	ECE	4
232038	EC8451	3	3	3	2	2	3	24/08/2022	ECE	4
232039	EC8451	3	2	3	2	3	2	24/08/2022	ECE	4
232040	EC8451	3	2	2	3	3	2	24/08/2022	ECE	4
232041	EC8451	3	2	3	3	2	2	24/08/2022	ECE	4
232042	EC8451	3	3	2	3	2	2	24/08/2022	ECE	4
232043	EC8451	3	3	2	3	3	3	24/08/2022	ECE	4
232044	EC8451	2	2	2	2	3	2	24/08/2022	ECE	4
232045	EC8451	3	2	2	3	3	3	24/08/2022	ECE	4
232046	EC8451	3	2	2	2	3	3	24/08/2022	ECE	4
232047	EC8451	2	3	2	2	2	3	24/08/2022	ECE	4
232048	EC8451	2	2	2	3	2	2	24/08/2022	ECE	4
232049	EC8451	3	2	2	3	2	2	24/08/2022	ECE	4
232050	EC8451	3	3	2	2	2	2	24/08/2022	ECE	4
232051	EC8451	2	2	2	3	2	2	24/08/2022	ECE	4
232052	EC8451	2	2	2	3	3	2	24/08/2022	ECE	4
232053	EC8451	2	3	3	3	2	3	24/08/2022	ECE	4
232054	EC8451	3	2	2	3	2	2	24/08/2022	ECE	4
232055	EC8451	3	2	2	2	3	3	24/08/2022	ECE	4
232056	EC8451	2	2	3	2	2	2	24/08/2022	ECE	4
232058	EC8451	2	2	3	3	3	3	24/08/2022	ECE	4
232059	EC8451	2	3	2	3	2	3	24/08/2022	ECE	4
232060	EC8451	3	3	3	2	2	3	24/08/2022	ECE	4
232061	EC8451	2	3	2	2	2	3	24/08/2022	ECE	4
232062	EC8451	2	3	2	3	3	2	24/08/2022	ECE	4
232063	EC8451	3	3	2	2	3	2	24/08/2022	ECE	4
232064	EC8451	3	3	2	3	3	2	24/08/2022	ECE	4

232065	EC8451	3	3	3	2	2	3	24/08/2022	ECE	4
232066	EC8451	2	3	2	2	3	3	24/08/2022	ECE	4
232067	EC8451	3	3	2	2	2	2	24/08/2022	ECE	4
232068	EC8451	2	2	3	2	2	2	24/08/2022	ECE	4
232070	EC8451	3	2	2	2	2	2	24/08/2022	ECE	4
232071	EC8451	2	2	3	2	2	2	24/08/2022	ECE	4
232072	EC8451	3	2	3	3	2	2	24/08/2022	ECE	4
232073	EC8451	2	2	3	3	3	2	24/08/2022	ECE	4
232074	EC8451	2	2	3	3	3	2	24/08/2022	ECE	4
232075	EC8451	3	2	2	2	2	3	24/08/2022	ECE	4
232076	EC8451	3	3	2	2	3	3	24/08/2022	ECE	4
232077	EC8451	3	3	2	2	3	3	24/08/2022	ECE	4
232078	EC8451	2	2	3	3	2	3	24/08/2022	ECE	4
232079	EC8451	2	3	2	2	2	2	24/08/2022	ECE	4
232080	EC8451	3	2	3	3	2	2	24/08/2022	ECE	4
232081	EC8451	3	3	3	2	3	3	24/08/2022	ECE	4
232082	EC8451	3	2	3	3	2	3	24/08/2022	ECE	4
232083	EC8451	3	2	3	2	2	2	24/08/2022	ECE	4
232084	EC8451	2	2	2	3	2	2	24/08/2022	ECE	4
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232086	EC8451	2	2	3	2	2	3	24/08/2022	ECE	4
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232088	EC8451	2	3	2	3	3	2	24/08/2022	ECE	4
232089	EC8451	2	2	3	3	3	3	24/08/2022	ECE	4
232090	EC8451	3	2	3	3	3	2	24/08/2022	ECE	4
232091	EC8451	3	2	2	3	2	2	24/08/2022	ECE	4
232092	EC8451	2	3	2	2	2	3	24/08/2022	ECE	4
232093	EC8451	3	2	2	2	3	2	24/08/2022	ECE	4
232094	EC8451	3	2	2	2	2	2	24/08/2022	ECE	4
232095	EC8451	3	2	3	2	3	3	24/08/2022	ECE	4
232096	EC8451	3	3	2	2	2	3	24/08/2022	ECE	4
232097	EC8451	3	2	3	2	2	3	24/08/2022	ECE	4
232098	EC8451	2	2	3	3	3	2	24/08/2022	ECE	4
232099	EC8451	3	3	2	3	2	3	24/08/2022	ECE	4
232100	EC8451	3	2	3	3	2	2	24/08/2022	ECE	4
232101	EC8451	3	3	3	2	3	2	24/08/2022	ECE	4
232102	EC8451	2	3	2	2	3	3	24/08/2022	ECE	4
232103	EC8451	3	2	2	3	2	3	24/08/2022	ECE	4
232104	EC8451	2	3	2	2	3	3	24/08/2022	ECE	4
232105	EC8451	2	2	2	2	3	2	24/08/2022	ECE	4
232106	EC8451	3	2	2	2	3	2	24/08/2022	ECE	4

232107	EC8451	3	2	2	3	3	2	24/08/2022	ECE	4
232108	EC8451	3	3	3	3	2	3	24/08/2022	ECE	4
232109	EC8451	2	2	3	2	3	3	24/08/2022	ECE	4
232110	EC8451	2	2	3	3	3	2	24/08/2022	ECE	4
232111	EC8451	3	3	2	3	3	3	24/08/2022	ECE	4
232112	EC8451	2	2	3	2	3	3	24/08/2022	ECE	4
Attained Level		2.56	2.46	2.45	2.52	2.51	2.47			
%		85.33	82.00	81.67	84.00	83.67	82.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22EVEN** Semester : **8** Programme: **B.E/B.Tech (ECE)**
Subject Code : **GE8076** NBA Code : **C409PE4** Title **PROFESSIONAL ETHICS IN ENGINEERING**
Faculty: Dr.S.Rajeswari / Dr.S.Rajeswari

Cos	CO Description	Attained Level	%
C409PE4.1	Understand the human values and ethics in the human excellence and behavior in the organization	2.57	85.67
C409PE4.2	Understand the characteristics of morals and engineer's conduct of behavior and practice in the workplace	2.52	84.00
C409PE4.3	Realize engineering as an experimental process to understand the various ethical implications	2.51	83.67
C409PE4.4	Analyze the responsibility of engineers to ensure the safety, health and welfare of the public	2.54	84.67
C409PE4.5	Apply ethics in dealing with the global issues, computer ethics and weapons development	2.52	84.00
C409PE4.6	Apply ethics in dealing with the global issues, computer ethics and weapons development	2.45	81.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 119

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
202085	GE8076	2	2	2	3	2	3	24/08/2022	ECE	8
212001	GE8076	3	3	3	2	2	2	24/08/2022	ECE	8
212002	GE8076	3	3	3	3	2	3	24/08/2022	ECE	8
212003	GE8076	3	2	2	2	3	2	24/08/2022	ECE	8
212004	GE8076	3	2	3	2	2	3	24/08/2022	ECE	8
212005	GE8076	3	2	3	3	2	2	24/08/2022	ECE	8
212006	GE8076	2	2	2	3	3	3	24/08/2022	ECE	8
212007	GE8076	2	3	3	3	3	2	24/08/2022	ECE	8
212008	GE8076	3	2	3	3	3	3	24/08/2022	ECE	8
212009	GE8076	3	3	3	3	3	3	24/08/2022	ECE	8
212010	GE8076	2	2	3	2	3	2	24/08/2022	ECE	8
212012	GE8076	3	3	2	2	3	3	24/08/2022	ECE	8
212013	GE8076	3	3	2	2	3	3	24/08/2022	ECE	8
212014	GE8076	3	2	2	2	3	2	24/08/2022	ECE	8
212015	GE8076	3	3	3	3	3	3	24/08/2022	ECE	8
212017	GE8076	2	2	3	2	2	2	24/08/2022	ECE	8
212018	GE8076	3	3	3	2	3	2	24/08/2022	ECE	8
212019	GE8076	2	2	3	2	2	3	24/08/2022	ECE	8
212020	GE8076	2	2	2	2	2	3	24/08/2022	ECE	8

212021	GE8076	3	3	2	3	2	3	24/08/2022	ECE	8
212022	GE8076	3	2	2	2	2	2	24/08/2022	ECE	8
212023	GE8076	3	3	2	3	2	2	24/08/2022	ECE	8
212024	GE8076	2	2	2	3	3	3	24/08/2022	ECE	8
212025	GE8076	3	3	2	3	3	3	24/08/2022	ECE	8
212026	GE8076	3	2	3	3	2	2	24/08/2022	ECE	8
212027	GE8076	2	3	2	3	2	2	24/08/2022	ECE	8
212028	GE8076	2	2	3	3	3	3	24/08/2022	ECE	8
212029	GE8076	2	3	3	3	2	3	24/08/2022	ECE	8
212030	GE8076	2	3	3	2	2	2	24/08/2022	ECE	8
212031	GE8076	3	3	2	3	3	3	24/08/2022	ECE	8
212033	GE8076	2	2	3	3	3	2	24/08/2022	ECE	8
212034	GE8076	2	3	3	3	2	2	24/08/2022	ECE	8
212035	GE8076	3	3	2	3	3	3	24/08/2022	ECE	8
212036	GE8076	3	2	3	2	2	3	24/08/2022	ECE	8
212037	GE8076	2	2	3	3	3	3	24/08/2022	ECE	8
212038	GE8076	3	3	2	2	2	2	24/08/2022	ECE	8
212039	GE8076	3	2	3	2	3	3	24/08/2022	ECE	8
212040	GE8076	3	3	3	3	2	2	24/08/2022	ECE	8
212041	GE8076	3	2	3	2	2	2	24/08/2022	ECE	8
212042	GE8076	3	3	2	2	2	2	24/08/2022	ECE	8
212043	GE8076	3	2	3	3	2	3	24/08/2022	ECE	8
212044	GE8076	2	3	2	3	2	2	24/08/2022	ECE	8
212045	GE8076	3	3	3	2	2	2	24/08/2022	ECE	8
212046	GE8076	3	2	3	3	3	3	24/08/2022	ECE	8
212047	GE8076	3	3	2	3	3	3	24/08/2022	ECE	8
212048	GE8076	2	3	3	2	2	3	24/08/2022	ECE	8
212049	GE8076	3	2	2	3	3	2	24/08/2022	ECE	8
212050	GE8076	2	3	2	3	2	2	24/08/2022	ECE	8
212051	GE8076	2	3	2	3	2	3	24/08/2022	ECE	8
212052	GE8076	3	3	3	3	3	2	24/08/2022	ECE	8
212053	GE8076	2	3	2	3	3	3	24/08/2022	ECE	8
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212058	GE8076	3	3	2	2	2	3	24/08/2022	ECE	8
212059	GE8076	2	2	3	3	3	2	24/08/2022	ECE	8
212060	GE8076	2	3	2	3	3	2	24/08/2022	ECE	8
212061	GE8076	3	2	3	2	3	2	24/08/2022	ECE	8
212062	GE8076	3	3	2	3	3	3	24/08/2022	ECE	8
212063	GE8076	3	3	2	2	3	2	24/08/2022	ECE	8

212064	GE8076	3	2	3	2	3	3	24/08/2022	ECE	8
212065	GE8076	2	2	3	3	3	2	24/08/2022	ECE	8
212066	GE8076	3	3	3	3	2	3	24/08/2022	ECE	8
212067	GE8076	2	3	2	3	2	3	24/08/2022	ECE	8
212068	GE8076	3	3	3	3	3	2	24/08/2022	ECE	8
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212070	GE8076	2	3	3	2	2	3	24/08/2022	ECE	8
212071	GE8076	3	3	2	3	2	3	24/08/2022	ECE	8
212072	GE8076	2	3	3	3	3	2	24/08/2022	ECE	8
212073	GE8076	3	2	2	3	2	2	24/08/2022	ECE	8
212074	GE8076	3	3	2	3	3	2	24/08/2022	ECE	8
212075	GE8076	3	2	3	2	3	2	24/08/2022	ECE	8
212076	GE8076	2	2	3	3	3	3	24/08/2022	ECE	8
212077	GE8076	2	2	3	2	2	3	24/08/2022	ECE	8
212078	GE8076	2	2	3	2	2	2	24/08/2022	ECE	8
212079	GE8076	2	3	2	3	3	2	24/08/2022	ECE	8
212081	GE8076	3	2	2	2	3	2	24/08/2022	ECE	8
212082	GE8076	3	2	3	2	3	2	24/08/2022	ECE	8
212083	GE8076	3	2	3	2	3	3	24/08/2022	ECE	8
212084	GE8076	3	3	2	2	2	2	24/08/2022	ECE	8
212085	GE8076	3	3	2	2	2	2	24/08/2022	ECE	8
212086	GE8076	2	3	2	2	2	2	24/08/2022	ECE	8
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212089	GE8076	3	2	2	3	3	3	24/08/2022	ECE	8
212090	GE8076	2	2	2	2	3	3	24/08/2022	ECE	8
212091	GE8076	2	2	2	2	3	2	24/08/2022	ECE	8
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212093	GE8076	3	3	3	3	2	2	24/08/2022	ECE	8
212094	GE8076	2	2	3	3	2	2	24/08/2022	ECE	8
212095	GE8076	2	3	3	3	3	2	24/08/2022	ECE	8
212096	GE8076	2	2	2	3	3	3	24/08/2022	ECE	8
212097	GE8076	3	2	3	2	3	3	24/08/2022	ECE	8
212098	GE8076	2	3	3	2	2	2	24/08/2022	ECE	8
212099	GE8076	3	3	2	2	2	2	24/08/2022	ECE	8
212100	GE8076	3	3	2	2	3	2	24/08/2022	ECE	8
212101	GE8076	3	2	2	3	3	2	24/08/2022	ECE	8
212102	GE8076	2	2	2	3	2	3	24/08/2022	ECE	8
212103	GE8076	2	3	2	3	2	2	24/08/2022	ECE	8
212104	GE8076	3	2	3	2	2	3	24/08/2022	ECE	8
212105	GE8076	3	2	3	3	2	3	24/08/2022	ECE	8

212106	GE8076	2	2	3	2	3	3	24/08/2022	ECE	8
212107	GE8076	3	3	3	2	3	2	24/08/2022	ECE	8
212108	GE8076	2	3	3	3	3	2	24/08/2022	ECE	8
212109	GE8076	2	2	2	2	3	2	24/08/2022	ECE	8
212110	GE8076	2	3	2	2	3	3	24/08/2022	ECE	8
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212113	GE8076	3	3	2	2	3	2	24/08/2022	ECE	8
212114	GE8076	3	3	3	3	2	2	24/08/2022	ECE	8
212115	GE8076	3	3	2	3	3	2	24/08/2022	ECE	8
212116	GE8076	2	3	3	2	2	3	24/08/2022	ECE	8
212117	GE8076	2	2	2	2	3	3	24/08/2022	ECE	8
212118	GE8076	2	2	2	2	3	2	24/08/2022	ECE	8
212119	GE8076	2	2	3	2	3	3	24/08/2022	ECE	8
212120	GE8076	3	3	2	3	3	3	24/08/2022	ECE	8
212121	GE8076	3	2	3	3	2	3	24/08/2022	ECE	8
212122	GE8076	2	2	2	3	2	2	24/08/2022	ECE	8
Attained Level		2.57	2.52	2.51	2.54	2.52	2.45			
%		85.67	84.00	83.67	84.67	84.00	81.67			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22EVEN** Semester : **6** Programme: **B.E/B.Tech (ECE)**
Subject Code : **EC8652** NBA Code : **C312** Title **WIRELESS COMMUNICATION**
Faculty: Ms.S.Kiruthiga / Mr.M.Mahendran

Cos	CO Description	Attained Level	%
C312.1	Understand the characteristics of various Wireless Channels.	2.51	83.67
C312.2	Understand the concept of cellular architecture and evaluate grade of service.	2.49	83.00
C312.3	Understand and apply various digital signaling schemes on fading channels.	2.56	85.33
C312.4	Evaluate and analyze multi path mitigation techniques.	2.48	82.67
C312.5	Design and create systems with transmit and receive diversity based MIMO systems and analyze their performance.	2.59	86.33
C312.6	Understand the concept of fading and non-fading techniques.	2.58	86.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 120

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
222001	EC8652	2	2	3	3	2	3	24/08/2022	ECE	6
222002	EC8652	2	2	2	3	2	3	24/08/2022	ECE	6
222003	EC8652	2	2	3	2	2	3	24/08/2022	ECE	6
222004	EC8652	3	3	3	3	2	3	24/08/2022	ECE	6
222005	EC8652	3	2	3	3	3	3	24/08/2022	ECE	6
222006	EC8652	3	2	3	3	3	3	24/08/2022	ECE	6
222007	EC8652	3	3	2	3	3	2	24/08/2022	ECE	6
222008	EC8652	3	3	3	3	3	3	24/08/2022	ECE	6
222009	EC8652	3	2	3	3	3	2	24/08/2022	ECE	6
222010	EC8652	3	2	3	2	3	3	24/08/2022	ECE	6
222011	EC8652	3	3	2	2	2	3	24/08/2022	ECE	6
222012	EC8652	2	2	2	2	3	3	24/08/2022	ECE	6
222013	EC8652	2	2	2	3	2	3	24/08/2022	ECE	6
222014	EC8652	3	3	3	3	3	3	24/08/2022	ECE	6
222015	EC8652	2	3	2	2	2	2	24/08/2022	ECE	6
222016	EC8652	2	3	3	3	3	2	24/08/2022	ECE	6
222017	EC8652	2	3	3	2	3	3	24/08/2022	ECE	6
222018	EC8652	2	3	3	3	3	2	24/08/2022	ECE	6
222019	EC8652	2	2	3	2	3	2	24/08/2022	ECE	6
222020	EC8652	2	3	3	3	2	2	24/08/2022	ECE	6
222021	EC8652	2	3	3	2	3	3	24/08/2022	ECE	6
222022	EC8652	3	2	2	3	3	2	24/08/2022	ECE	6
222023	EC8652	3	3	2	2	2	2	24/08/2022	ECE	6

222024	EC8652	3	2	2	3	2	2	24/08/2022	ECE	6
222025	EC8652	3	3	2	2	2	2	24/08/2022	ECE	6
222026	EC8652	2	2	3	2	2	2	24/08/2022	ECE	6
222027	EC8652	3	2	2	3	2	2	24/08/2022	ECE	6
222028	EC8652	2	2	2	2	3	2	24/08/2022	ECE	6
222029	EC8652	3	2	3	3	2	3	24/08/2022	ECE	6
222030	EC8652	2	2	3	3	3	3	24/08/2022	ECE	6
222031	EC8652	3	2	3	3	3	2	24/08/2022	ECE	6
222032	EC8652	2	2	3	2	2	3	24/08/2022	ECE	6
222033	EC8652	3	2	2	2	3	3	24/08/2022	ECE	6
222034	EC8652	2	3	2	2	3	2	24/08/2022	ECE	6
222035	EC8652	3	3	3	2	3	3	24/08/2022	ECE	6
222036	EC8652	3	3	2	3	3	2	24/08/2022	ECE	6
222037	EC8652	3	3	3	2	3	3	24/08/2022	ECE	6
222038	EC8652	3	3	3	2	3	2	24/08/2022	ECE	6
222039	EC8652	3	3	3	3	3	2	24/08/2022	ECE	6
222040	EC8652	2	3	3	2	3	3	24/08/2022	ECE	6
222041	EC8652	2	2	3	2	2	3	24/08/2022	ECE	6
222042	EC8652	3	3	2	2	3	2	24/08/2022	ECE	6
222043	EC8652	3	3	2	3	2	3	24/08/2022	ECE	6
222044	EC8652	3	2	2	2	3	3	24/08/2022	ECE	6
222046	EC8652	2	3	2	2	2	2	24/08/2022	ECE	6
222047	EC8652	3	2	3	3	3	3	24/08/2022	ECE	6
222048	EC8652	2	2	2	3	2	3	24/08/2022	ECE	6
222049	EC8652	3	2	3	2	2	2	24/08/2022	ECE	6
222050	EC8652	2	3	3	2	3	3	24/08/2022	ECE	6
222051	EC8652	2	3	2	2	3	2	24/08/2022	ECE	6
222052	EC8652	2	2	3	2	3	2	24/08/2022	ECE	6
222053	EC8652	2	3	2	3	2	3	24/08/2022	ECE	6
222054	EC8652	3	2	2	3	3	2	24/08/2022	ECE	6
222055	EC8652	3	3	3	2	3	3	24/08/2022	ECE	6
222056	EC8652	2	3	3	2	3	2	24/08/2022	ECE	6
222057	EC8652	2	2	3	3	3	3	24/08/2022	ECE	6
222058	EC8652	3	3	3	3	3	3	24/08/2022	ECE	6
222059	EC8652	3	2	2	2	2	2	24/08/2022	ECE	6
222060	EC8652	2	3	3	3	2	2	24/08/2022	ECE	6
222061	EC8652	3	2	2	2	2	2	24/08/2022	ECE	6
222062	EC8652	3	2	2	3	2	2	24/08/2022	ECE	6
222063	EC8652	2	3	3	2	3	3	24/08/2022	ECE	6
222064	EC8652	2	3	3	3	2	3	24/08/2022	ECE	6
222065	EC8652	2	3	2	3	2	3	24/08/2022	ECE	6

222066	EC8652	3	2	3	2	2	2	24/08/2022	ECE	6
222067	EC8652	3	3	3	3	2	3	24/08/2022	ECE	6
222068	EC8652	2	2	3	2	3	3	24/08/2022	ECE	6
222069	EC8652	2	2	2	2	3	2	24/08/2022	ECE	6
222070	EC8652	3	3	2	2	3	2	24/08/2022	ECE	6
222071	EC8652	2	3	3	2	3	2	24/08/2022	ECE	6
222072	EC8652	3	2	2	3	3	3	24/08/2022	ECE	6
222073	EC8652	3	2	2	2	2	3	24/08/2022	ECE	6
222074	EC8652	3	3	3	2	2	3	24/08/2022	ECE	6
222075	EC8652	3	2	2	2	3	3	24/08/2022	ECE	6
222076	EC8652	3	2	2	2	2	3	24/08/2022	ECE	6
222077	EC8652	3	3	2	3	3	3	24/08/2022	ECE	6
222078	EC8652	3	3	3	2	3	3	24/08/2022	ECE	6
222079	EC8652	3	2	2	2	3	3	24/08/2022	ECE	6
222080	EC8652	2	2	3	3	3	2	24/08/2022	ECE	6
222081	EC8652	2	2	2	2	3	2	24/08/2022	ECE	6
222082	EC8652	3	2	2	2	2	2	24/08/2022	ECE	6
222083	EC8652	2	2	3	2	3	3	24/08/2022	ECE	6
222084	EC8652	2	3	3	2	3	3	24/08/2022	ECE	6
222085	EC8652	3	3	2	3	2	3	24/08/2022	ECE	6
222086	EC8652	2	3	2	2	2	3	24/08/2022	ECE	6
222087	EC8652	3	2	2	3	3	3	24/08/2022	ECE	6
222088	EC8652	3	2	3	2	3	3	24/08/2022	ECE	6
222089	EC8652	3	2	2	2	2	2	24/08/2022	ECE	6
222090	EC8652	2	3	3	3	2	2	24/08/2022	ECE	6
222091	EC8652	2	3	2	3	3	2	24/08/2022	ECE	6
222092	EC8652	3	3	2	3	2	3	24/08/2022	ECE	6
222093	EC8652	3	2	3	2	3	3	24/08/2022	ECE	6
222094	EC8652	2	2	2	3	2	2	24/08/2022	ECE	6
222095	EC8652	2	2	3	2	3	2	24/08/2022	ECE	6
222096	EC8652	3	2	2	3	3	3	24/08/2022	ECE	6
222097	EC8652	2	3	2	3	2	2	24/08/2022	ECE	6
222098	EC8652	2	2	3	2	3	3	24/08/2022	ECE	6
222099	EC8652	3	2	2	3	2	3	24/08/2022	ECE	6
222100	EC8652	2	3	2	3	3	3	24/08/2022	ECE	6
222101	EC8652	3	3	3	3	3	3	24/08/2022	ECE	6
222102	EC8652	2	3	3	3	2	3	24/08/2022	ECE	6
222103	EC8652	3	3	3	3	3	3	24/08/2022	ECE	6
222104	EC8652	2	2	3	3	2	2	24/08/2022	ECE	6
222105	EC8652	3	2	3	2	2	2	24/08/2022	ECE	6
222106	EC8652	2	3	2	3	2	3	24/08/2022	ECE	6
222107	EC8652	2	3	2	2	2	3	24/08/2022	ECE	6

222108	EC8652	2	3	2	3	3	2	24/08/2022	ECE	6
222109	EC8652	3	3	3	2	3	3	24/08/2022	ECE	6
222110	EC8652	3	2	2	2	3	3	24/08/2022	ECE	6
222111	EC8652	2	3	3	2	3	3	24/08/2022	ECE	6
222112	EC8652	2	2	3	3	3	2	24/08/2022	ECE	6
222113	EC8652	3	2	3	3	3	3	24/08/2022	ECE	6
222114	EC8652	2	2	3	2	3	2	24/08/2022	ECE	6
222115	EC8652	2	2	2	3	2	2	24/08/2022	ECE	6
222116	EC8652	3	3	3	2	3	2	24/08/2022	ECE	6
222117	EC8652	2	3	3	3	3	3	24/08/2022	ECE	6
222118	EC8652	2	2	3	3	2	3	24/08/2022	ECE	6
222119	EC8652	3	3	3	2	3	3	24/08/2022	ECE	6
222120	EC8652	2	2	3	2	3	2	24/08/2022	ECE	6
222121	EC8652	2	3	3	2	2	3	24/08/2022	ECE	6
Attained Level		2.51	2.49	2.56	2.48	2.59	2.58			
%		83.67	83.00	85.33	82.67	86.33	86.00			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (ECE)**
Subject Code : **EC8352** NBA Code : **C204** Title **SIGNALS AND SYSTEMS**
Faculty: Ms.A.Shamim Banu / Mr.G.Sivakannu

Cos	CO Description	Attained Level	%
C204.1	Analyze the basic properties of various types of continuous time and discrete time signals and systems and also determine whether the given system is linear/time invariant/causal/stable	2.5	83.33
C204.2	Apply, evaluate and analyze Fourier series expansion, Fourier transformation ans Laplace transformation for determining the frequency components of continuous time signals.	2.51	83.67
C204.3	Evaluate and analyze the characteristics of continuous time linear time invariant systems by applying Fourier and Laplace transforms.	2.55	85.00
C204.4	Analyze the properties of discrete time signals by applying the Z transform and discrete time Fourier transform.	2.5	83.33
C204.5	Evaluate the response of the given discrete time LTI systems using difference equations, impulse response and Convolution in time domain.	2.46	82.00
C204.6	Apply, Evaluate and analyze the characteristics of discrete time LTI systems using Z Transform and discrete time Fourier transform in Frequency domain	2.41	80.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 108

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
232001	EC8352	2	3	2	2	2	3	30/03/2022	ECE	3
232002	EC8352	2	2	2	3	2	2	30/03/2022	ECE	3
232003	EC8352	3	3	2	2	2	2	30/03/2022	ECE	3
232004	EC8352	3	3	3	3	3	2	30/03/2022	ECE	3
232005	EC8352	3	2	3	2	3	2	30/03/2022	ECE	3
232006	EC8352	3	2	3	2	3	2	30/03/2022	ECE	3
232007	EC8352	2	3	2	3	2	3	30/03/2022	ECE	3
232008	EC8352	2	2	3	3	3	2	30/03/2022	ECE	3
232010	EC8352	2	3	3	2	2	2	30/03/2022	ECE	3
232011	EC8352	3	2	2	2	3	3	30/03/2022	ECE	3
232012	EC8352	2	3	2	2	3	3	30/03/2022	ECE	3
232013	EC8352	3	3	3	3	3	3	30/03/2022	ECE	3
232014	EC8352	2	3	3	3	2	2	30/03/2022	ECE	3
232015	EC8352	2	2	3	2	2	3	30/03/2022	ECE	3
232016	EC8352	3	2	2	3	2	2	30/03/2022	ECE	3
232017	EC8352	2	2	3	2	2	2	30/03/2022	ECE	3
232018	EC8352	2	3	3	3	2	3	30/03/2022	ECE	3
232019	EC8352	3	2	2	3	3	2	30/03/2022	ECE	3

232020	EC8352	3	2	3	3	2	2	30/03/2022	ECE	3
232021	EC8352	3	3	3	2	2	2	30/03/2022	ECE	3
232022	EC8352	2	2	3	3	3	2	30/03/2022	ECE	3
232023	EC8352	3	2	3	3	2	2	30/03/2022	ECE	3
232024	EC8352	2	2	3	2	3	2	30/03/2022	ECE	3
232025	EC8352	3	3	2	3	3	3	30/03/2022	ECE	3
232026	EC8352	3	3	3	3	3	2	30/03/2022	ECE	3
232027	EC8352	2	3	3	3	2	3	30/03/2022	ECE	3
232028	EC8352	3	3	3	3	3	2	30/03/2022	ECE	3
232029	EC8352	2	3	2	2	2	2	30/03/2022	ECE	3
232030	EC8352	2	2	3	2	2	2	30/03/2022	ECE	3
232031	EC8352	3	3	3	3	2	3	30/03/2022	ECE	3
232032	EC8352	2	2	2	2	3	3	30/03/2022	ECE	3
232033	EC8352	2	3	2	2	2	2	30/03/2022	ECE	3
232034	EC8352	2	2	3	3	2	2	30/03/2022	ECE	3
232036	EC8352	3	3	2	2	3	2	30/03/2022	ECE	3
232037	EC8352	2	2	2	3	3	3	30/03/2022	ECE	3
232038	EC8352	3	2	2	3	2	2	30/03/2022	ECE	3
232039	EC8352	3	3	3	3	3	3	30/03/2022	ECE	3
232040	EC8352	3	3	3	2	2	3	30/03/2022	ECE	3
232041	EC8352	2	3	3	2	2	2	30/03/2022	ECE	3
232042	EC8352	2	3	2	2	2	2	30/03/2022	ECE	3
232043	EC8352	2	3	3	2	2	3	30/03/2022	ECE	3
232044	EC8352	3	2	2	2	2	3	30/03/2022	ECE	3
232045	EC8352	3	3	3	3	3	2	30/03/2022	ECE	3
232046	EC8352	3	3	3	3	3	3	30/03/2022	ECE	3
232047	EC8352	3	3	3	2	2	3	30/03/2022	ECE	3
232048	EC8352	2	3	3	3	3	2	30/03/2022	ECE	3
232049	EC8352	2	3	3	3	2	2	30/03/2022	ECE	3
232050	EC8352	2	2	2	2	2	3	30/03/2022	ECE	3
232051	EC8352	2	3	3	2	2	2	30/03/2022	ECE	3
232052	EC8352	3	3	3	3	3	3	30/03/2022	ECE	3
232053	EC8352	2	2	3	3	3	3	30/03/2022	ECE	3
232054	EC8352	3	2	2	3	3	3	30/03/2022	ECE	3
232055	EC8352	3	2	2	2	2	3	30/03/2022	ECE	3
232056	EC8352	2	3	3	3	2	3	30/03/2022	ECE	3
232058	EC8352	2	3	2	3	3	3	30/03/2022	ECE	3
232059	EC8352	3	2	3	2	3	2	30/03/2022	ECE	3
232060	EC8352	2	2	2	3	2	2	30/03/2022	ECE	3
232061	EC8352	2	2	2	2	2	2	30/03/2022	ECE	3
232062	EC8352	2	3	2	2	3	3	30/03/2022	ECE	3

232063	EC8352	3	3	2	2	3	2	30/03/2022	ECE	3
232064	EC8352	2	3	3	2	2	3	30/03/2022	ECE	3
232065	EC8352	2	2	2	2	3	2	30/03/2022	ECE	3
232066	EC8352	3	3	3	2	2	3	30/03/2022	ECE	3
232067	EC8352	2	2	2	3	2	3	30/03/2022	ECE	3
232068	EC8352	3	2	3	3	3	2	30/03/2022	ECE	3
232070	EC8352	2	2	3	3	3	2	30/03/2022	ECE	3
232071	EC8352	2	3	2	2	3	2	30/03/2022	ECE	3
232072	EC8352	2	3	3	2	3	2	30/03/2022	ECE	3
232073	EC8352	3	3	2	2	2	3	30/03/2022	ECE	3
232074	EC8352	2	3	3	3	3	2	30/03/2022	ECE	3
232075	EC8352	2	2	2	2	3	2	30/03/2022	ECE	3
232076	EC8352	2	3	2	2	2	3	30/03/2022	ECE	3
232077	EC8352	3	3	2	2	2	2	30/03/2022	ECE	3
232078	EC8352	3	3	3	2	2	2	30/03/2022	ECE	3
232079	EC8352	2	2	3	3	2	2	30/03/2022	ECE	3
232080	EC8352	3	3	2	3	3	2	30/03/2022	ECE	3
232081	EC8352	2	2	3	2	3	2	30/03/2022	ECE	3
232082	EC8352	3	2	2	3	2	3	30/03/2022	ECE	3
232083	EC8352	3	3	2	3	3	3	30/03/2022	ECE	3
232084	EC8352	3	3	3	3	2	3	30/03/2022	ECE	3
232085	EC8352	2	3	2	2	3	2	30/03/2022	ECE	3
232086	EC8352	3	2	3	3	2	2	30/03/2022	ECE	3
232087	EC8352	2	2	2	2	3	2	30/03/2022	ECE	3
232088	EC8352	3	2	2	3	3	3	30/03/2022	ECE	3
232089	EC8352	3	2	2	3	2	2	30/03/2022	ECE	3
232090	EC8352	2	3	2	2	2	3	30/03/2022	ECE	3
232091	EC8352	2	3	2	2	2	2	30/03/2022	ECE	3
232092	EC8352	3	2	2	2	2	2	30/03/2022	ECE	3
232093	EC8352	3	2	2	3	3	2	30/03/2022	ECE	3
232094	EC8352	3	2	2	3	2	2	30/03/2022	ECE	3
232095	EC8352	2	2	3	2	3	3	30/03/2022	ECE	3
232096	EC8352	3	2	3	3	2	2	30/03/2022	ECE	3
232097	EC8352	3	3	2	2	2	3	30/03/2022	ECE	3
232098	EC8352	2	3	3	2	2	3	30/03/2022	ECE	3
232099	EC8352	2	3	3	3	3	2	30/03/2022	ECE	3
232100	EC8352	3	2	3	2	2	2	30/03/2022	ECE	3
232101	EC8352	3	2	2	2	3	3	30/03/2022	ECE	3
232102	EC8352	3	2	2	3	2	3	30/03/2022	ECE	3
232103	EC8352	3	2	3	2	2	2	30/03/2022	ECE	3
232104	EC8352	2	2	3	3	3	2	30/03/2022	ECE	3
232105	EC8352	3	2	3	3	3	3	30/03/2022	ECE	3

232106	EC8352	2	2	2	3	3	2	30/03/2022	ECE	3
232107	EC8352	2	3	3	3	3	2	30/03/2022	ECE	3
232108	EC8352	3	3	3	2	2	3	30/03/2022	ECE	3
232109	EC8352	3	3	3	3	3	2	30/03/2022	ECE	3
232110	EC8352	3	2	2	2	2	2	30/03/2022	ECE	3
232111	EC8352	2	2	3	3	3	3	30/03/2022	ECE	3
232112	EC8352	3	2	3	2	2	2	30/03/2022	ECE	3
Attained Level		2.5	2.51	2.55	2.5	2.46	2.41			
%		83.33	83.67	85.00	83.33	82.00	80.33			

Date: 27.07.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2021 – December 2021 (ODD SEMESTER)*

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III, V, VII	18.08.2021	30.11.2021**	02.12.2021	13.12.2021
2.	B.E. / B.Tech (Part-Time)	III, V, VII				
3.	B.Arch. (Full-Time)	III, V, VII, IX				
4.	M.C.A. (Full-Time)	V				
5.	M.Sc (5 Yrs-Integrated)	V, VII, IX				
6.	M.B.A. (5 Yrs-Integrated)	V, VII, IX				

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE - OPENING DAY FOR THE NEXT SEMESTER: 19.01.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following 7 Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	28.08.2021	Friday
2.	11.09.2021	Monday
3.	25.09.2021	Friday
4.	09.10.2021	Thursday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	23.10.2021	Friday
6.	06.11.2021	Tuesday
7.	20.11.2021	Thursday

27.07.2021

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 25.10.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2021 – March 2022 (SEMESTER I)

UG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	08.11.2021	22.11.2021	08.03.2022	10.03.2022	21.03.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 18.04.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 04.03.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

March 2022 – June 2022 (Even Semester – Except Semester II)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	16.03.2022	16.06.2022**	18.06.2022	28.06.2022
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				

RE - OPENING DAY FOR THE NEXT SEMESTER: 10.08.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	19.03.2022	Tuesday
2.	26.03.2022	Wednesday
3.	09.04.2022	Thursday
4.	23.04.2022	Friday
5.	30.04.2022	Tuesday
6.	07.05.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	14.05.2022	Tuesday
8.	21.05.2022	Wednesday
9.	28.05.2022	Thursday
10.	04.06.2022	Friday
11.	11.06.2022	Monday

04/03/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 21.03.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

April 2022 – July 2022 (Semester II)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	04.04.2022	04.07.2022**	06.07.2022	18.07.2022
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.B.A. (Full-Time & Part-Time)	II				
5.	M.B.A. (5 Yrs-Integrated)	II				

RE - OPENING DAY FOR THE NEXT SEMESTER: 22.08.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	09.04.2022	Thursday
2.	23.04.2022	Friday
3.	30.04.2022	Tuesday
4.	07.05.2022	Monday
5.	14.05.2022	Tuesday
6.	21.05.2022	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	28.05.2022	Thursday
8.	04.06.2022	Friday
9.	11.06.2022	Monday
10.	18.06.2022	Tuesday
11.	25.06.2022	Wednesday
12.	02.07.2022	Thursday

21/3/22

DIRECTOR i/c
ACADEMIC COURSES

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED			
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday			04	MON	II Yr-2nd-MM Meeting	I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE	III Yr-2nd-MM Meeting	II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON	II Yr-1st-MM Meeting	II	12	06	WED	IV Yr-2nd-MM Meeting	III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE	III Yr-1st-MM Meeting	III	13	07	THU	II Yr-2nd-CC Meeting	IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED	IV Yr-1st-MM Meeting	IV	14	08	FRI	III Yr-2nd-CC Meeting	V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE		I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED		II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON	IV Yr-2nd-CC Meeting	I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE		II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON	II Yr-1st-CC Meeting	I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE	III Yr-1st-CC Meeting	II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU	IV Yr-1st-CC Meeting	IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON		III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED	II Yr-3rd-MM Meeting	V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU	III Yr-3rd-MM Meeting	I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI	IV Yr-3rd-MM Meeting	II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
Total No.of working days for the semester :																			66					

Principal

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Thillaikarasi, Prof/ CSE Dept

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR'22	DAY	DETAILS	Day order	working days	APR'22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON		IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Holiday			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Holiday			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				28	32				22	54				14	68
																	Total No.of working days for the semester :	68	

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

DEPARTMENT OF EEE

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI	IA-I QAC Pre-Auditing / Course File R-II / Log Book Submission	V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED	IA-I QAC Pre-Auditing / Course File R-IV / Log Book Submission		
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE	IA-II QAC Pre-Auditing / Course File R-III / Log Book Submission	IV	49	02	THU	Univ. Practical Exam commences		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday			04	MON	II Yr-2nd-MMM	I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE	III Yr-2nd-MMM	II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON	II Yr-1st-MMM	II	12	06	WED	IV Yr-2nd-MMM	III	33	06	SAT	Holiday / Webinar-III*			06	MON			
07	SAT	Holiday			07	TUE	III Yr-1st-MMM	III	13	07	THU	II Yr-2nd-CCM	IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED	IV Yr-1st-MMM	IV	14	08	FRI	III Yr-2nd-CCM	V	35	08	MON	II Yr-3rd-CCM	V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE	III Yr-3rd-CCM	I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED	IV Yr-3rd-CC Meeting / IA Test-III QP Submission	II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON	IV Yr-2nd-CCM	I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE	IA Test-II QP Submission	II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON	II Yr-1st-CCM	I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE	III Yr-1st-CCM	II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU	IV Yr-1st-CCM/ IA Test-I QP Submission	IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2 / IEI Student Chapter Activity*	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON	Course File R-I / Log Book Submission	III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2 / Webinar -I*			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class/D-space Workshop*	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class/D-space Workshop*	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED	II Yr-3rd-MMM	V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU	III Yr-3rd-MMM	I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI	IV Yr-3rd-MMM	II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday / Webinar-II*			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

Every Day order 5 staff meeting with HOD, MMM(Mentor Mentee Meeting), CCM (Class committee meeting) ,IATest(Internal assessment Test) ,QP(Question paper), *Tentative dates

HOD/EEE

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

EEE Department Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR' 22	DAY	DETAILS	Day order	working days	APR' 22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED	IA Test-III QP Submission & Switchgear Training*	V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU	Switchgear Training*	I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON	1st MMM-II Yr	IV	14	04	WED	2nd MMM-IV Yr	III	33	04	SAT	College Day	III	58
05	SAT				05	TUE	1st MMM-III Yr	V	15	05	THU	2nd MMM-II Yr & Technical Debate and Technical Short Film*	IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED	1st MMM-IV Yr	I	16	06	FRI	2nd MMM-III Yr	V	35	06	MON		IV	59
07	MON				07	THU	1st CCM-II Yr	II	17	07	SAT	2nd CCM-II Yr	I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI	1st CCM-III Yr	III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Holiday			09	MON	2nd CCM-III Yr	II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Holiday			10	TUE	2nd CCM-IV Yr & IA Test-II QP Submission	III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON	1st CCM-IV Yr	IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE	IA test-1-QP submission	V	20	12	THU	Institution of Engineers India-Paid Skilled Training - Robotics*	V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON	Course File R-I / Log Book Submission			14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI	IA-III Result Analysis Report/Course File R-IV / Log Book Submission		
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON	IA Test-II Result Analysis & PCB -Hardware Fabrication*	III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE	Course File R-III / Log Book Submission & PCB -Hardware Fabrication*	IV	49	24	FRI			
25	FRI		III	8	25	MON	E-Vechicle Training*	III	28	25	WED	3rd MMM- II & IVYr & International Conference*	V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE	E-Vechicle Training*	IV	29	26	THU	3rd MMM- III Yr & Dspace Training*	I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day & E-Vechicle Training*	V	30	27	FRI	3rd CCM -II Yr & III Yr & Dspace Training*	II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I & IA Test-I Result Analysis	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI	Course File R-II / Log Book Submission	II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON	3rd CCM -IV Yr	III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				20	32				22	54				14	68

Total No.of working days for the semester : 68

Summer workshops: II year Students-PCB -Hardware Fabrication; III Yr-Institution of Engineers India-Paid Skilled Training - Robotics, Technical Debate and Technical Short Film, Switchgear Training , II & III Yr Students-E-Vechicle Training; IV Yr Students-Dspace Training, International Conference -* Tentative dates

Every Day order 5 staff meeting with HOD, MMM(Mentor Mentee Meeting), CCM (Class committee meeting) ,IATest(Internal assessment Test) ,QP(Question paper), *Tentative dates

HOD/EEE

SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012

Department of Electrical & Electronics Engineering

WORKLOAD -ALLOCATION FOR ACADEMIC YEAR 2021-22 (ODD SEM)

Date: 02.08.21

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM/SEC/ BRANCH	THEORY/ LAB/ PROJECT	HOURS	TOTAL HOURS
1	Dr.C.Krishnakumar Prof & Head	Power Plant Engineering	ME8792	II/III/EEE	THEORY	4	4
2	Dr.S.Vijayalakshmi Assoc.Prof.	Digital Logic Circuits	EE8351	II/III/EEE	THEORY	6	19
		Microprocessors and Microcontrollers	EE8551	III/V/B/EEE	THEORY	4	
		Power System Simulation Laboratory	EE8711	IV/VII/A/EEE	LAB	3	
		Electronics Laboratory	EC8311	II/III/EEE	LAB	6	
3	Dr.M.V.Suganyadevi Assoc.Prof.	Power System Analysis	EE8501	III/V/A/EEE	THEORY	5	20
		Power System Operation and Control	EE8702	IV/VII/A/EEE	THEORY	6	
		Power System Simulation Laboratory	EE8711	IV/VII/A/EEE	LAB	6	
		Control and Instrumentation Laboratory	EE8511	III/V/A/EEE	LAB	3	
4	Mr.B.Paranthagan Assoc.Prof.	Basics of Biomedical Instrumentation	OMD551	III/V/B/EEE	THEORY	4	20
		Power System Transients	EE8010	IV/VII/B/EEE	THEORY	6	
		Wind Energy Conversion Systems	PX5071	II/III/PED	THEORY	4	
		Power System Simulation Laboratory	EE8711	IV/VII/B/EEE	LAB	6	
5	Mr.R.Balasubramanian Assoc.Prof.	Power Electronics	EE8552	III/V/A/EEE	THEORY	5	16
		Electrical Drives and Controls (MECH)	EE8353	II/III MECH	THEORY	5	
		Electrical Engineering Laboratory	EE8361	II/III MECH	LAB	6	
6	Dr.K.Rajkumar Associate.Prof.	High Voltage Engineering	EE8701	IV/VII/A/EEE	THEORY	6	18
		Power System Analysis	EE8501	III/V/B/EEE	THEORY	5	
		Control System Design for Power Electronics	PX5091	I/I/PED	THEORY	4	
		Electrical Machines Laboratory - I	EE8311	II/III/EEE	LAB	3	
7	Dr.M.Marimuthu Asst.Prof.	Microprocessors and Microcontrollers	EE8551	III/V/A/EEE	THEORY	4	19
		Fiber Optics and Laser Instrumentation	EI8075	IV/VII/A/EEE	THEORY	5	
		System Theory	IN5152	I/I/PED	THEORY	4	
		Control and Instrumentation Laboratory	EE8511	III/V/A/EEE	LAB	6	
8	Mrs.C.Pearline kamalini Asst.Prof.	Electron Devices and Circuits	EC8353	II/III/EEE	THEORY	5	18
		Power Electronics for Renewable Energy	PX5072	II/III/PED	THEORY	4	
		Electrical Machines Laboratory - I	EE8311	II/III/EEE	LAB	3	
		Renewable Energy Systems Laboratory	EE8712	IV/VII/A/EEE	LAB	6	
9	Mr.S.Ramprasath Asst.Prof.	Power Electronics	EE8552	III/V/B/EEE	THEORY	5	18
		Renewable Energy Systems	EE8703	IV/VII/A/EEE	THEORY	6	
		Analysis and Design of Power Converters	PX5152	I/I/PED	THEORY	4	
		Renewable Energy Systems Laboratory	EE8712	IV/VII/A/EEE	LAB	3	
10	Mr.P.Rameshbabu Asst.Prof.	Electrical Machines - I	EE8301	II/III/EEE	THEORY	5	19
		Analysis of Electrical Machines	PX5151	I/I/PED	THEORY	4	
		Electrical Machines Laboratory - I	EE8311	II/III/EEE	LAB	6	
		Power Electronics Circuits Lab	PX5111	I/I/PED	LAB	4	
11	Mr.P.Ram Prakash Asst.Prof.	Digital Signal Processing	EE8591	III/V/A/EEE	THEORY	5	20
		Renewable Energy Systems	EE8703	IV/VII/B/EEE	THEORY	6	
		Renewable Energy Systems Laboratory	EE8712	IV/VII/B/EEE	LAB	6	
		Electrical Engineering Laboratory	EE8361	II/III MECH	LAB	3	
12	Mr.R.Sridhar Asst.Prof.	Power System Transients	EE8010	IV/VII/A/EEE	THEORY	6	20
		Digital Signal Processing	EE8591	III/V/B/EEE	THEORY	5	
		Control and Instrumentation Laboratory	EE8511	III/V/A/EEE	LAB	3	
		Electronics Laboratory	EC8311	II/III/EEE	LAB	6	

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM/SEC/ BRANCH	THEORY/ LAB/ PROJECT	HOURS	TOTAL HOURS
13	Mr.R.Venugopal Asst.Prof.	Basics of Biomedical Instrumentation	OMD551	III/V/A/EEE	THEORY	4	18
		Fiber Optics and Laser Instrumentation	EI8075	IV/VII/B/EEE	THEORY	5	
		Renewable Energy Systems Laboratory	EE8712	IV/VII/A/EEE	LAB	3	
		Control and Instrumentation Laboratory	EE8511	III/V/B/EEE	LAB	6	
14	Mr.R.Satheesh Asst.Prof.	Power System Operation and Control	EE8702	IV/VII/B/EEE	THEORY	6	19
		Solar andEnergy Storage Systems	PS5092	II/III/PED	THEORY	4	
		Power System Simulation Laboratory	EE8711	IV/VII/B/EEE	LAB	6	
		Power System Simulation Laboratory	EE8711	IV/VII/A/EEE	LAB	3	
15	Mr.R.Vijay Asst.Prof.	High Voltage Engineering	EE8701	IV/VII/B/EEE	THEORY	6	20
		Power Semiconductor Devices	PX5101	I/I/PED	THEORY	4	
		Training and Placement		III/V/A&B EEE	T&P	4	
		Control and Instrumentation Laboratory	EE8511	III/V/B/EEE	LAB	6	
16	Ms.N.Gayathri Asst.Prof.	Electromagnetic Theory	EE8391	II/III/EEE	THEORY	6	15
		Electrical Engineering Laboratory	EE8361	II/III MECH	LAB	3	
		Renewable Energy Systems Laboratory	EE8712	IV/VII/B/EEE	LAB	6	
TOTAL PERIODS							**283**

HoD/EEE

Principal

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM/SEC/ BRANCH	THEORY/ LAB/ PROJECT	HOURS	TOTAL HOURS

SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012

Department of Electrical & Electronics Engineering

WORKLOAD -ALLOCATION FOR ACADEMIC YEAR 2021-22 (EVEN SEM)

Date: 02.03.2022

S.No	NAME	SUBJECT CODE & TITLE	YEAR / SEM/SEC/ BRANCH	THEORY/ LAB/ PROJECT	HOURS	TOTAL HOURS
1	Dr.C. Krishnakumar Prof & Head	GE8076-Professional Ethics in Engineering	IV/VIII/A/EEE	THEORY	3	3
2	Dr.S. Vijayalakshmi Assoc.Prof.	EE8601-Solid State Drives	III/VI/A/EEE	THEORY	4	19
		BE3251-Basic Electrical and Electronics Engineering	I/II/A/CSE	THEORY	3	
		PX4201-Analysis of Electrical Drives	I/II/PED	THEORY	3	
		EE8611-Mini Project	III/VI/B/EEE	LAB	6	
		GE3271-Engineering Practices Lab	I/II/A/CSE	LAB	3	
3	Dr.M.V. Suganyadevi Assoc.Prof.	EE8402- Transmission and Distribution	II/IV/EEE	THEORY	4	20
		EE8602-Protection and Switchgear	III/VI/A/EEE	THEORY	4	
		PX4005-Power Electronics for Renewable Energy Systems	I/II/PED	THEORY	3	
		EE8611-Mini Project	III/VI/A/EEE	LAB	6	
		GE3271-Engineering Practices Laboratory	I/II/EEE	LAB	3	
4	Dr.K.Rajkumar Assoc.Prof.	GE8076-Professional Ethics in Engineering	IV/VIII/B/EEE	THEORY	3	16
		EE8002-Design of Electrical Machines	III/VI/B/EEE	THEORY	4	
		EE8661-Power Electronics and Drives Laboratory	III/VI/A/EEE	LAB	6	
		BE3272-Basic Electrical, Electronics and Instrumentation Engineering Laboratory	I/II/CIVIL	LAB	3	
		EE8811-Project Work	IV/VIII/B/EEE	LAB		
5	Mr.B.Paranthagan Assoc.Prof.	EE8017-High Voltage Direct Current Transmission	III/VI/A&B/ EEE	THEORY	3	16
		EE8005-Special Electrical Machines	III/VI/A/EEE	THEORY	4	
		PX4006-Modern Rectifiers and Resonant Conveters	I/II/PED	THEORY	3	
		EE8661-Power Electronics and Drives Laboratory	III/VI/A/EEE	LAB	6	
6	Mr.R. Balasubramanian Assoc.Prof.	EE3251-Electric Circuit Analysis	I/II/EEE	THEORY	4	20
		IC8451-Control Systems	II/IV/EEE	THEORY	4	
		EE8411-Electrical Machines Laboratory – II	II/IV/EEE	LAB	6	
		EE3271-Electric Circuits Laboratory	I/II/EEE	LAB	6	

7	Mr.M.Marimuthu Asst.Prof.	EE8691-Embedded Systems	III/VI/B/EEE	THEORY	4	17
		BE3252-Basic Electrical, Electronics and Instrumentation Engineering	I/II/CIVIL	THEORY	4	
		BE3272-Basic Electrical, Electronics and Instrumentation Engineering Laboratory	I/II/CIVIL	LAB	3	
		GE3271-Engineering Practices Laboratory	I/II/CIVIL/ICE	LAB	3	
		GE3271-Engineering Practices Laboratory	I/II/IT	LAB	3	
		PX5411-Project Work Phase-II	II/IV/PED	LAB		
8	Ms.C.Pearline kamalini Asst.Prof.	EE8005-Special Electrical Machines	III/VI/B/EEE	THEORY	4	16
		BE3251-Basic Electrical and Electronics Engineering	I/II/B/CSE	THEORY	3	
		EE8661-Power Electronics and Drives Laboratory	III/VI/B/EEE	LAB	6	
		GE3271-Engineering Practices Laboratory	I/II/B/CSE	LAB	3	
9	Mr.S.Ramprasath Asst.Prof.	EE8601-Solid State Drives	III/VI/B/EEE	THEORY	4	16
		BE3254-Basic Electrical and Instrumentation Engineering	I/II/A/ECE	THEORY	3	
		EE8411-Electrical Machines Laboratory – II	II/IV/EEE	LAB	3	
		EE8661-Power Electronics and Drives Laboratory	III/VI/B/EEE	LAB	6	
		EE8811-Project Work	IV/VIII/B/EEE	LAB		
10	Mr.P.Ram Prakash Asst.Prof.	EI8451-Electrical Machines	II/IV/ICE	THEORY	4	16
		BE3251-Basic Electrical and Electronics Engineering	I/II/IT	THEORY	3	
		GE8076-Professional Ethics in Engineering (Special Elective)	III/VI/A/EEE	THEORY	3	
		EI8461-Devices and Machines Laboratory	II/IV/ICE	LAB	3	
		PX4212-Design Lab for Power Electronics Systems	I/II/PED	LAB	3	
11	Mr.P.Rameshbabu Asst.Ptof.	EE8401-Electrical Machines-II	II/IV/EEE	THEORY	4	17
		EE8002-Design of Electrical Machines	III/VI/A/EEE	THEORY	4	
		EE8411-Electrical Machines Laboratory – II	II/IV/EEE	LAB	6	
		PX4211-Power Electronics Drives Laboratory	I/II/PED	LAB	3	
12	Mr.R.Sridhar Asst.Prof.	BE3251-Basic Electrical and Electronics Engineering	I/II/MECH	THEORY	4	17
		BE3251-Basic Electrical and Electronics Engineering	I/II/CSBS	THEORY	3	
		BE3271-Basic Electrical and Electronics EngineeringLaboratory	I/II/MECH	LAB	6	
		GE3271-Engineering Practices Laboratory	I/II/CSBS	LAB	3	
		Training and Placement	III/VI/B/EEE	T&P	1	

13	Mr.R.Satheesh Asst.Prof.	EE8403-Measurements and Instrumentation	II/IV/EEE	THEORY	3	16
		EE8602-Protection and Switchgear	III/VI/B/EEE	THEORY	4	
		EE3271-Electric Circuits Laboratory	I/II/EEE	LAB	6	
		GE3271-Engineering Practices Laboratory	I/II/A/ECE	LAB	3	
14	Mr.R.Vijay Asst.Prof.	EE8691-Embedded Systems	III/VI/A/EEE	THEORY	4	15
		PX4251-Electric Vehicles and Power Management	I/II/PED	THEORY	3	
		EE8412-Technical Seminar	II/IV/EEE	LAB	1	
		EI8461-Devices and Machines Laboratory	II/IV/ICE	LAB	3	
		GE3271-Engineering Practices Laboratory	I/II/MECH	LAB	3	
		Training and Placement	III/VI/A/EEE	T&P	1	
15	Ms.N.Gayathri Asst.Prof.	BE3251-Basic Electrical and Electronics Engineering	I/II/AIDS	THEORY	3	15
		GE8076-Professional Ethics in Engineering (Special Elective)	III/VI/B/EEE	THEORY	3	
		PX4202- Special Electrical Machines	I/II/PED	THEORY	3	
		EE8411-Electrical Machines Laboratory - II	II/IV/EEE	LAB	3	
		GE3271-Engineering Practices Laboratory	I/II/AIDS	LAB	3	
16	Mr.S. Vigneshwaran Asst.Prof.	BE3254-Basic Electrical and Instrumentation Engineering	I/II/B/ECE	THEORY	3	16
		EE3251-Electric Circuit Analysis	I/II/ICE	THEORY	4	
		GE3271-Engineering Practices Laboratory	I/II/B/ECE	LAB	3	
		BE3271-Basic Electrical and Electronics Engineering Laboratory	I/II/MECH	LAB	6	

HOD/EEE

PRINCIPAL

2021-22 (ODD SEM)

IV Yr EEE - A/VII SEM

EE8701 - HVE.

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

REVIEW OF COURSE FILE

S.No.	Details Date:	R-I-*	R-II-#	R-III-$	R-IV-&	R-V-@
1	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy *	✓				
2	Timetable/Workload of the staff – Distribution of teaching load - Roles and Responsibilities*	✓				
3	Syllabus signed by staff & HoD*	✓				
4	Lecture Schedule signed by staff & HoD*	✓				
5	Course Committee meeting circular and minutes*	✓				
6	Identification of Curricular gap and Content Beyond the syllabus*	✓				
7	Previous AU Question papers (at least 5)*	✓				
8	Unit wise Q&A and Objective type questions-20 questions in each unit with answers*	✓				
9	Unit wise course material *	✓				
10	Assignment question paper with sample answer sheets (at least 3) and mark entry #$&		X	✓		
11	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry #$&					
12	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry#$&		✓	✓	✓	
13	IA Test- Performance analysis-CAP-evidence-root cause analysis. #$&		✓	✓	✓	
14	Makeup Test –Q paper-Attendance-marks - sample answer papers#$&					
15	Remedial Test–Q paper-Attendance-marks - sample answer papers#$&					
16	AU Web portal entry sheet#$&				✓	
17	Very poor performance in first two tests-action taken - communication to parents-evidence.#$					
18	Absence for two tests-action taken-communication to parents-evidence. #$					
19	Indiscipline of student reported, if any #$&					
20	Special class/coaching class/remedial class/attendance-CAP #$&					
21	Conduct of Seminar, Quizzes - proof#$&					
22	Content beyond the syllabus – proof #$&				✓	
23	Course end survey &					
24	Internal Assessment sheet &					
25	AU question paper with students feedback @				.	✓
26	Discrepancy of the question paper and correspondence, if any @					
27	AU result analysis-Details of arrear students. @					
28	AU grade sheet @					
29	CO – PO & PSO attainment sheet @					
	Signature of Course handling faculty					
	Signature of HoD					

9/2/22

2021-22 (ODASEM)

IV Yr – VII SEM – EEE-A.

EE 8702 – PSOC

SARANATHAN COLLEGE OF ENGINEERING
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

REVIEW OF COURSE FILE

S.No.	Details	Review				
		1	2	3	4	5
	Date:					
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy [1]	✓				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities[1]	✓				
3.	Syllabus signed by staff & HoD[1]	✓				
4.	Lecture Schedule signed by staff & HoD[1]	✓				
5.	Course Committee meeting circular and minutes[1]	✓				
6.	Identification of Curricular gap and Content Beyond the syllabus[1]	✓				
7.	Previous AU Question papers (at least 5)[1]	✓				
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers[1]	✓				
9.	Unit wise course material [1]	✓				
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry [234]		✓			
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry [234]					
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry[234]		✓	✓	✓	
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis. [234]		✓	✓	✓	
14.	Makeup Test –Q paper-Attendance-marks - sample answer papers[234]					
15.	Remedial Test–Q paper-Attendance-marks - sample answer papers[234]					
16.	AU Web portal entry sheet[234]		✓	✓	✓	✓
17.	Very poor performance in first two tests-action taken - communication to parents-evidence.[23]					
18.	Absence for two tests-action taken-communication to parents-evidence. [23]					
19.	Indiscipline of student reported, if any [234]					
20.	Special class/coaching class/remedial class/attendance-CAP [234]					
21.	Conduct of Seminar, Quizzes - proof[234]					
22.	Content beyond the syllabus – proof [234]				✓	
23.	Course end survey [4]					
24.	Internal Assessment sheet [4]				✓	
25.	AU question paper with students feedback [5]					
26.	Discrepancy of the question paper and correspondence, if any [5]					
27.	AU result analysis-Details of arrear students. [5]					
28.	AU grade sheet [5]					
29.	CO – PO & PSO attainment sheet [5]					
	Signature of Course handling faculty					
	Signature of HoD					

SARANATHAN COLLEGE OF ENGINEERING
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

2021-22 (EVEN)
III Yr / VI SEM. 'B'
EE8691 - ES

REVIEW OF COURSE FILE

S.No.	Details	Review				
	Date:	1	2	3	4	5
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy [1]	✓				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities[1]	✓				
3.	Syllabus signed by staff & HoD[1]	✓				
4.	Lecture Schedule signed by staff & HoD[1]	✓				
5.	Course Committee meeting circular and minutes[1]	✓				
6.	Identification of Curricular gap and Content Beyond the syllabus[1]	✓				
7.	Previous AU Question papers (at least 5)[1]	✓				
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers[1]	✓				
9.	Unit wise course material [1]	–				
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry [234]	–	✓	✓		
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry [234]	–	–	–	–	
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry[234]	–	✓	✓	✓	
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis. [234]		✓	✓	✓	
14.	Makeup Test –Q paper-Attendance-marks - sample answer papers[234]			✓	–	
15.	Remedial Test–Q paper-Attendance-marks - sample answer papers[234]			–	–	
16.	AU Web portal entry sheet[234]		✓	✓	✓	
17.	Very poor performance in first two tests-action taken - communication to parents-evidence.[23]		–	–		
18.	Absence for two tests-action taken-communication to parents-evidence. [23]					
19.	Indiscipline of student reported, if any [234]					
20.	Special class/coaching class/remedial class/attendance-CAP [234]				–	
21.	Conduct of Seminar, Quizzes - proof[234]		–	–	✓	
22.	Content beyond the syllabus – proof [234]		–	–	✓	
23.	Course end survey [4]					
24.	Internal Assessment sheet [4]				✓	✓
25.	AU question paper with students feedback [5]				✓	✓
26.	Discrepancy of the question paper and correspondence, if any [5]					
27.	AU result analysis-Details of arrear students. [5]					
28.	AU grade sheet [5]					
29.	CO – PO & PSO attainment sheet [5]					
	Signature of Course handling faculty					
	Signature of HoD					

SARANATHAN COLLEGE OF ENGINEERING
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSIGNMENT

1

NAME : S. Harshik

BATCH NO : 213043

COURSE : EE 8702 - Power System Analysis

COURSE CODE: EE 8702

YEAR/SEC : IV (VII) A

CONTENT (6)	SUBMISSION (2)	PRESENTATION (2)	TOTAL (10)	STAFF SIGNATURE
6	2	2	10	

5/10/2020

PSOC Assignment - 1

10/10

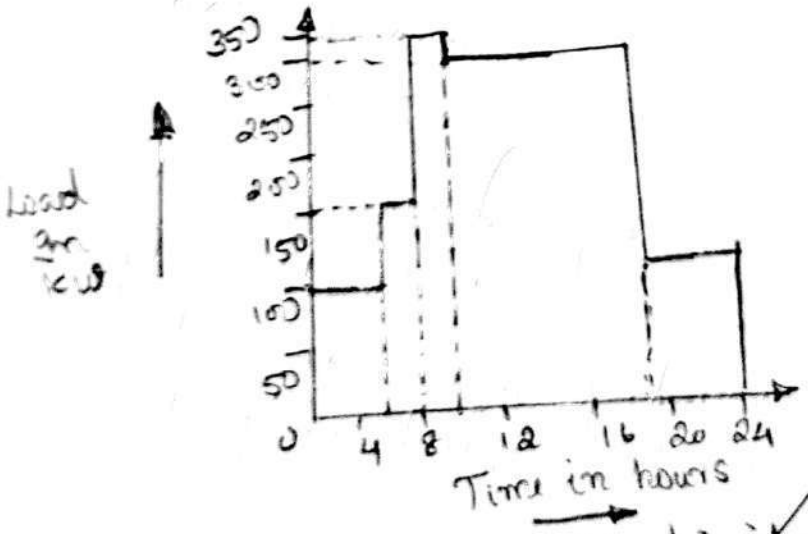
S. Kaushik
213043
EEE - "A"

(1)

Time (Hours)	0-6	6-8	8-10	10-18	18-24
Group A	–	–	200 KW	200 KW	–
Group B	–	100 KW	100 KW	–	–
Group C	–	50 KW	50 KW	–	–
Group D	100 KW	–	–	100 KW	100 KW
Total load on power station	100 KW	150 KW	350 KW	300 KW	100 KW

Maximum demand = 350 KW

Sum of individual maximum demands of groups
= 200 + 100 + 50 + 100
= 450 KW



(i) Diversity factor = Sum of individual max demands / Max demand on Station
= 450/350 = 1.286

(ii) units generated/day = Area (in kWh) under Load Curve
= 100 × 6 + 150 × 2 + 350 × 2 + 300 × 8 + 100 × 6
= 4600 kWh

(iii) Average Load = 4600/24
= 191.7 KW

Load factor = $\frac{191.7}{250} \times 100$

= 54.8%

---

(2) Given:-

Maximum demand = 20MW
Load factor = 0.6
plant Capacity factor = 0.48
plant use factor = 0.8

Sol:-

Load factor = $\frac{\text{Average demand}}{\text{Maximum demand}}$

Average demand = load * Maximum demand factor

$= 0.6 \times 20,000 \times 10^3$

$= 12,000$ KW

Plant capacity factor = $\frac{\text{Average demand}}{\text{Installed Capacity}}$

Installed capacity = $\frac{\text{Average demand}}{\text{plant Capacity factor}} = \frac{12000 \times 10^3}{0.48}$

$= 25000$ KW

Reserve Capacity of the plant = Installed capacity - Maximum demand

$= 25,000 - 20,000 = 5,000$ KW

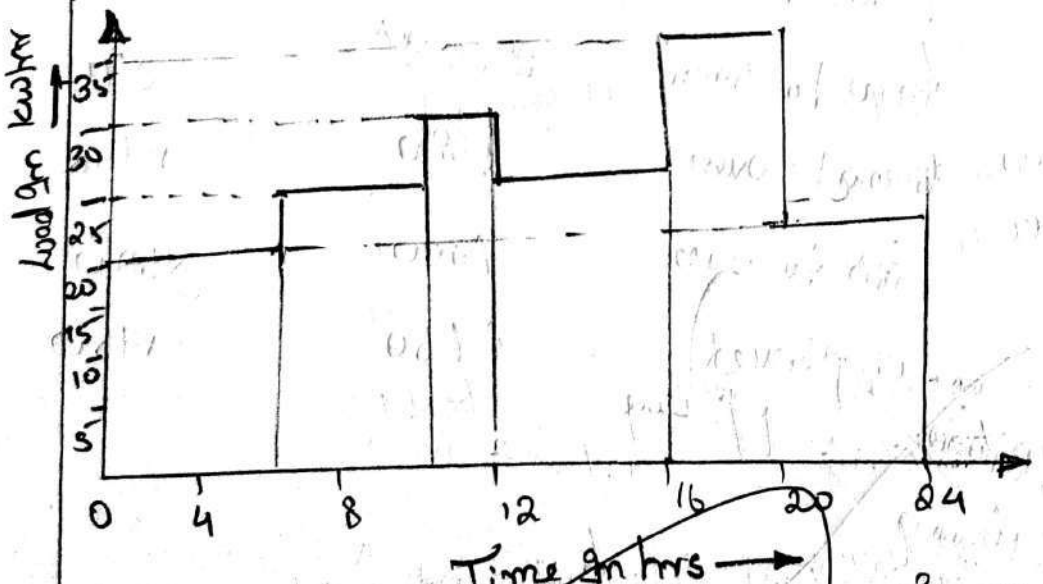
(ii) Daily energy produced = Average demand × 24
= 12,000 × 24 = 2,88,000 kWhr

(iii) Energy/day corresponding to installed capacity } = 25,000 × 24 = 6,00,000 kWhr

(iii) Maximum energy that could be produced = Actual energy produced / Plant use factor
= 2,88,000 / 0.8
= 3,60,000 kWhr

2)

Time (Hours)	0-6	6-10	10-12	12-16	16-20	20-24
Load (MW)	20	25	20	25	25	20



(i) Maximum demand = 25MW = 25×10^3 KW

(ii) units generated per day = Area under the load curve in kWhr
= (6×20 + 4×25 + 2×30 + 4×25 + 4×35 + 4×20) × 10^3
= 2000 × 10^3 kWhr

(iii) Average Load = $\frac{\text{units generated per day}}{\text{Hours in a day}}$

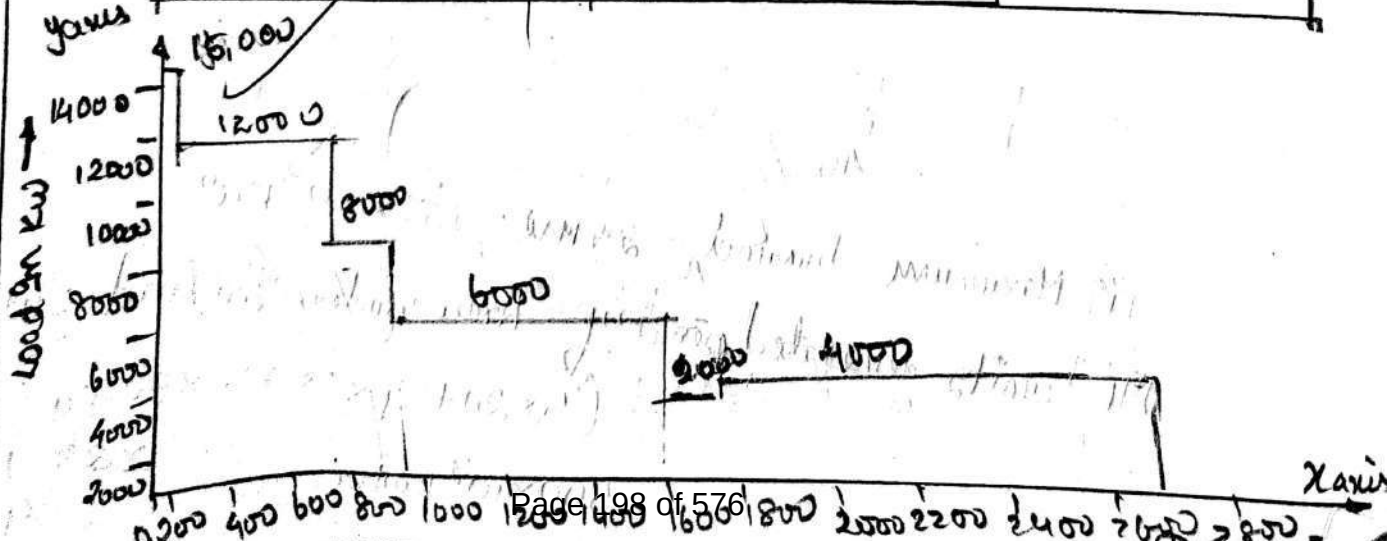
$= \frac{600 \times 10^3}{24} = 25000 \text{ kw}$

(iv) Load factor = $\frac{\text{Average load}}{\text{Maximum demand}}$

$= \frac{25000}{35 \times 10^3} = 0.7143 = 71.43\%$

4)

Load in kw	Duration hours	Durating hours
15000	87	87
12000 to over	876	789
10000 to over	1752	876
8000 to over	2628	876
6000 to over	4380	1752
4000 to over	7000	2620
2000 to over	8760	1760



Average load = {15000 × 87 + 13500 × 789 + 11000 × 876 + 9000 × 876 + 7000 × 1752 + 5000 × 2620 + 3000 × 1760}

Average load = 60120.5×10^3 kWh

Peak load = 15000 kW

Average load = $\frac{\text{Area under the curve}}{\text{Time period}} = \frac{60120.5 \times 10^3}{8760}$

Average load = 6862.07 kW

Load factor = $\frac{\text{Avg load}}{\text{Peak load}} \times 100\%$

$= \frac{6862.07}{15,000} \times 100\%$

Load factor = 48.75 %

5) Maximum demand = 15MW
Load factor = 0.7
Plant Capacity factor = 0.525
Plant use factor = 0.85

$$\text{Load factor} = \frac{\text{Average demand}}{\text{Maximum demand}}$$

$$\text{Average demand} = \text{Load factor} * \text{Maximum demand}$$

$$= 0.7 \times 15 \times 10^6$$

Average demand = 10,500 KW

$$\text{Plant Capacity factor} = \frac{\text{Average demand}}{\text{Installed capacity}}$$

$$\text{Installed capacity} = \frac{\text{Average demand}}{\text{Plant Capacity factor}} = \frac{10,500 \times 10^3}{0.85}$$

Installed capacity = 12352.9 KW

(ii) Reserve Capacity
= Installed capacity − Maximum demand
= 12352.9 − 10,500

Reserve capacity = 1852.9 KW

(iii) Daily energy produced = Average demand × 24
= 10,500 × 24

Daily energy produced = 252,000 KWhr

Energy / day = Installed Capacity * 24

= 12352.9 * 24

Energy / day = 2,96,470 kwhr

Maximum demand energy that can be produced $= \frac{\text{Actual energy produced}}{\text{Plant use factor}}$

$= \frac{2,52,000}{0.85}$

= 2,96,470 kwhr

SARANATHAN COLLEGE OF ENGINEERING
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
(Accredited by NBA)

ASSIGNMENT

1

NAME : L. AARTHI

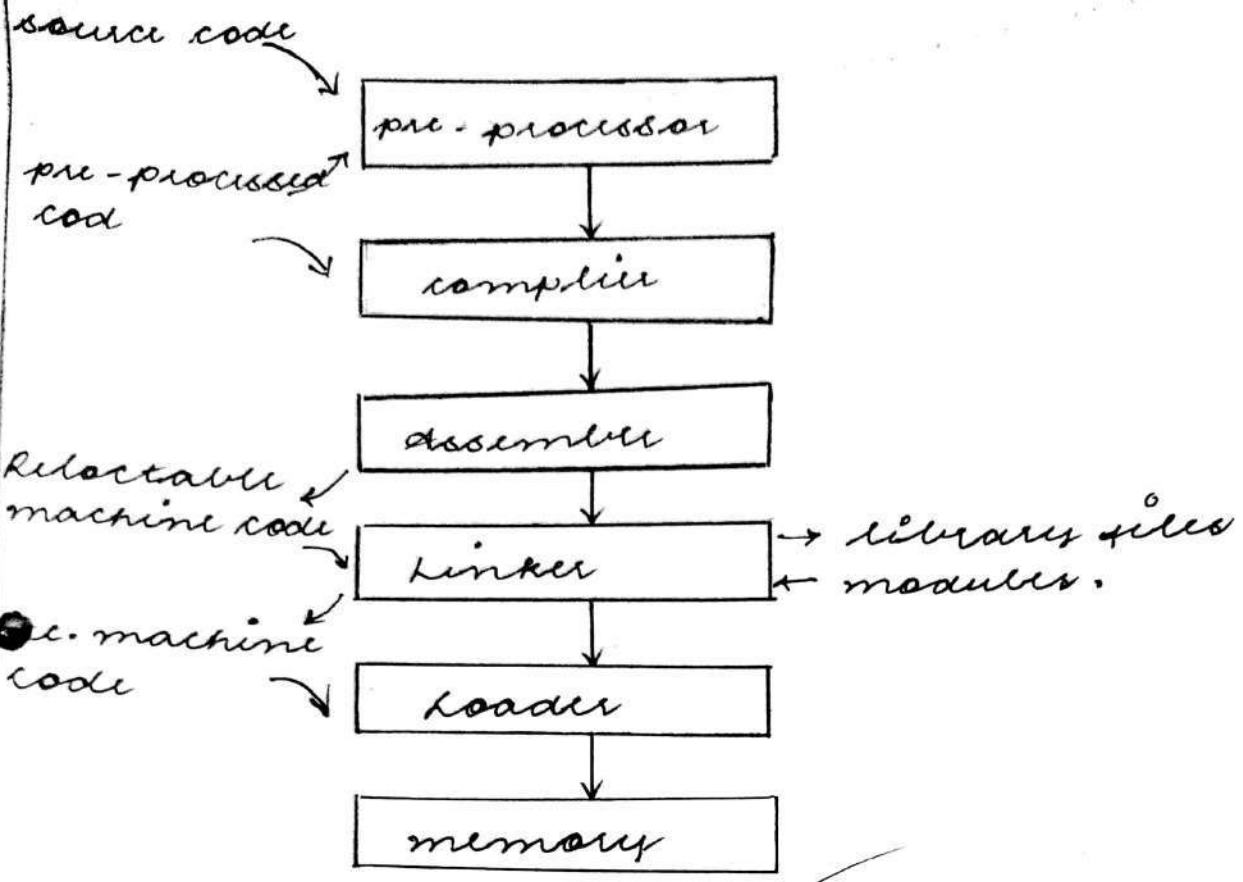
BATCH NO : 223002

COURSE CODE : EE8691

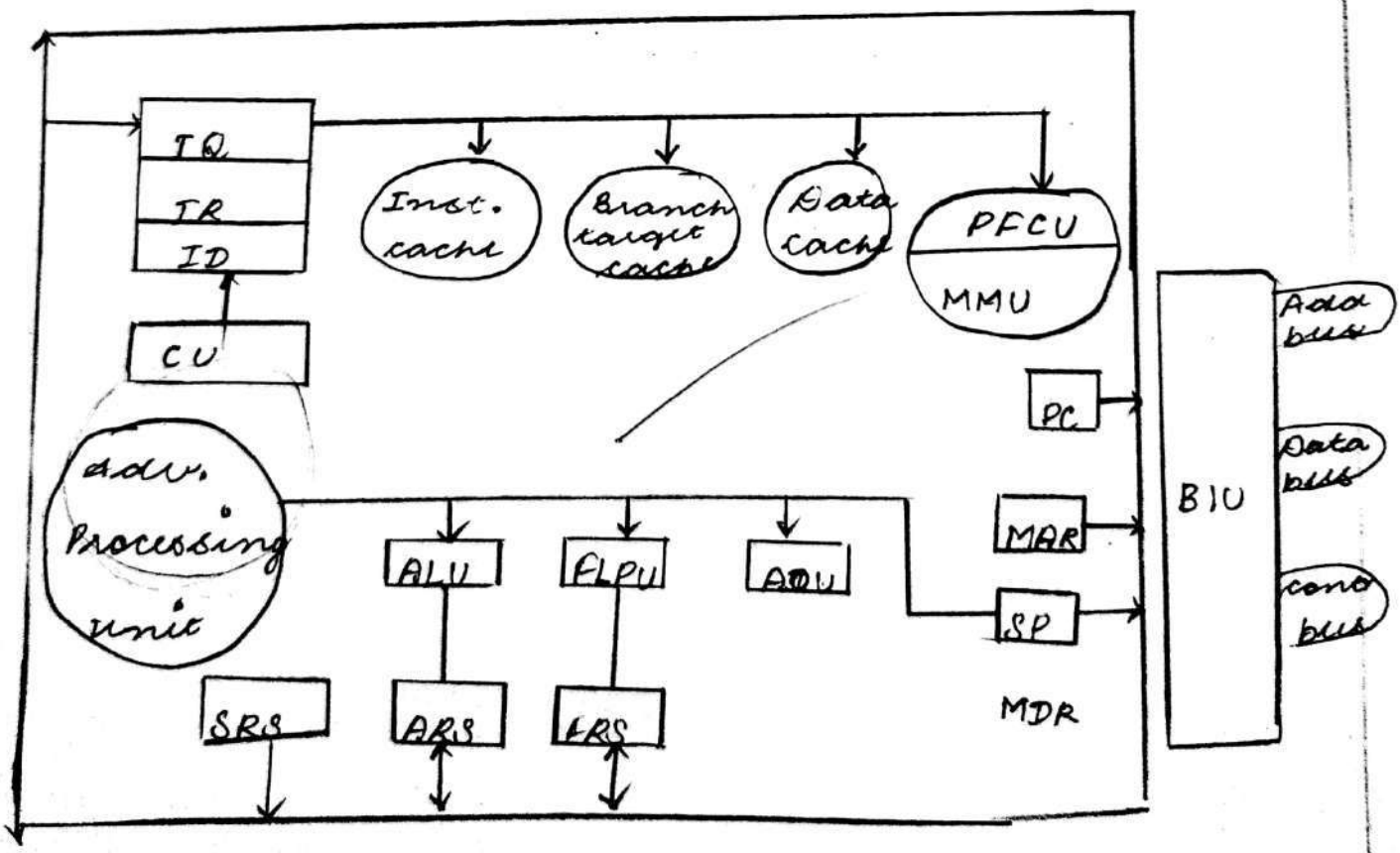
COURSE TITLE : Embedded Systems

YEAR/SEM/SEC : 3/6/A

CONTENT (6)	SUBMISSION (2)	PRESENTATION (2)	TOTAL (10)	STAFF SIGNATURE
6	2	2	10	12/04/22



structural unit :-



IR - Instruction Register

IQ - Instruction Q

ID - Instruction Decode

PFCU - Pre fetch control unit

MMU - memory mapped unit

ALU - automatic logic unit

FLPU - floating pt. unit

SRS - System Register Set

ARS - address Register Set

MAR - memory address Register

CU - control unit

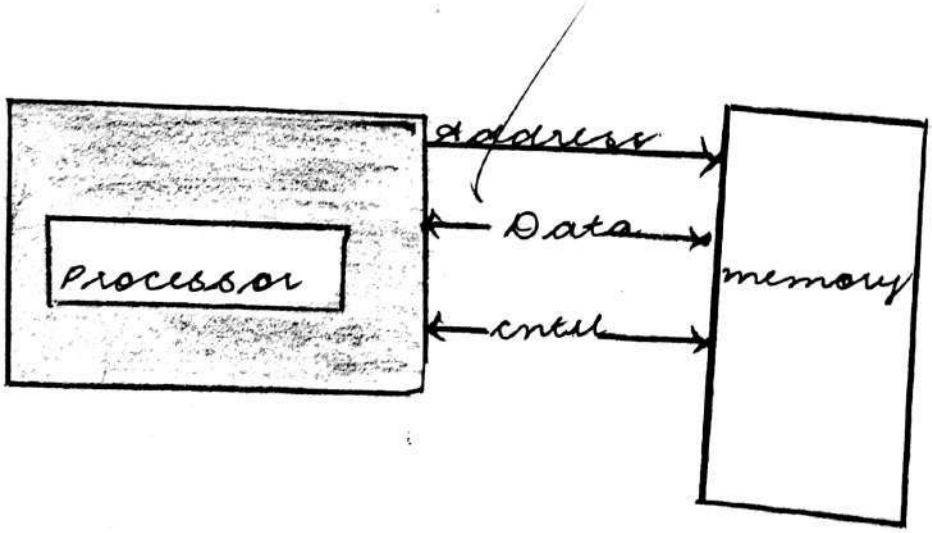
PC - Program counter

AOU - automic operation unit

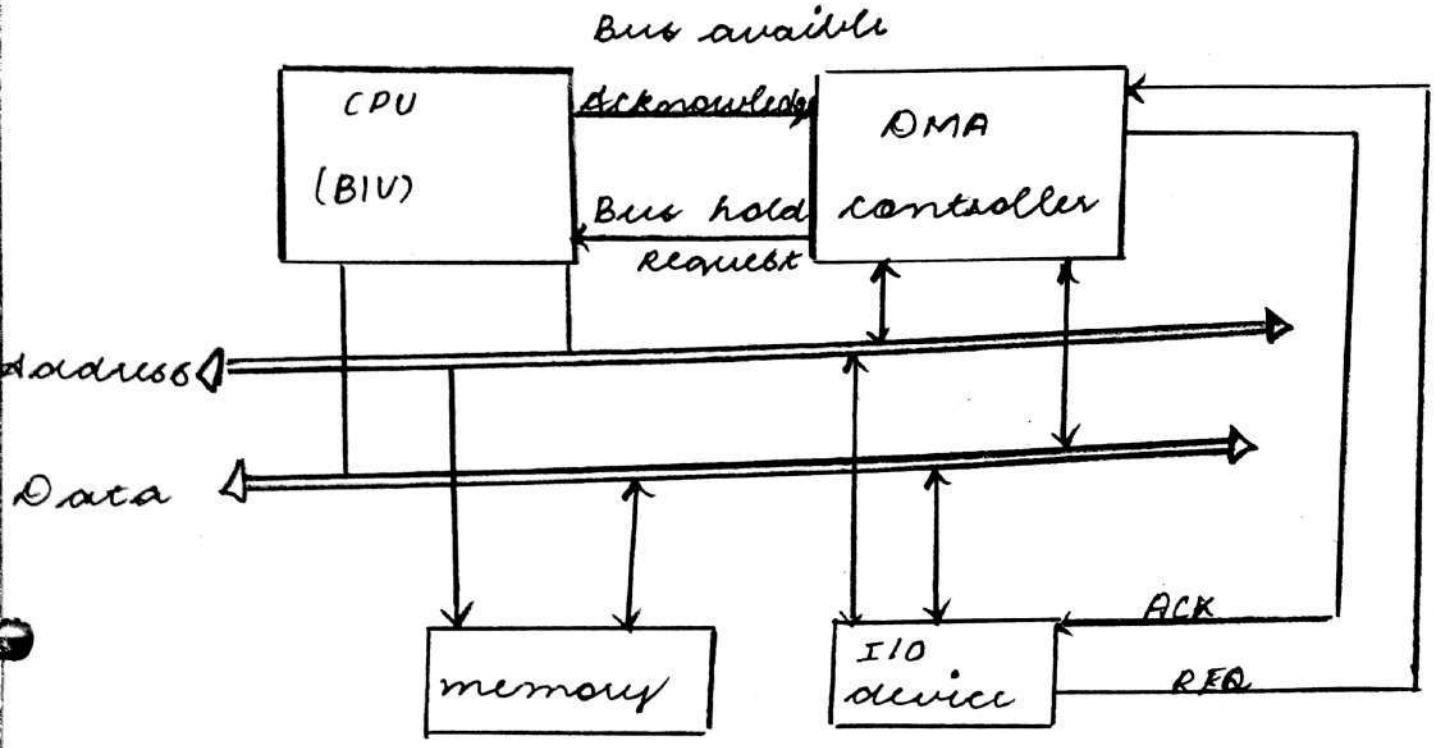
SP - stack pointer

MDR - memory Data Reg.

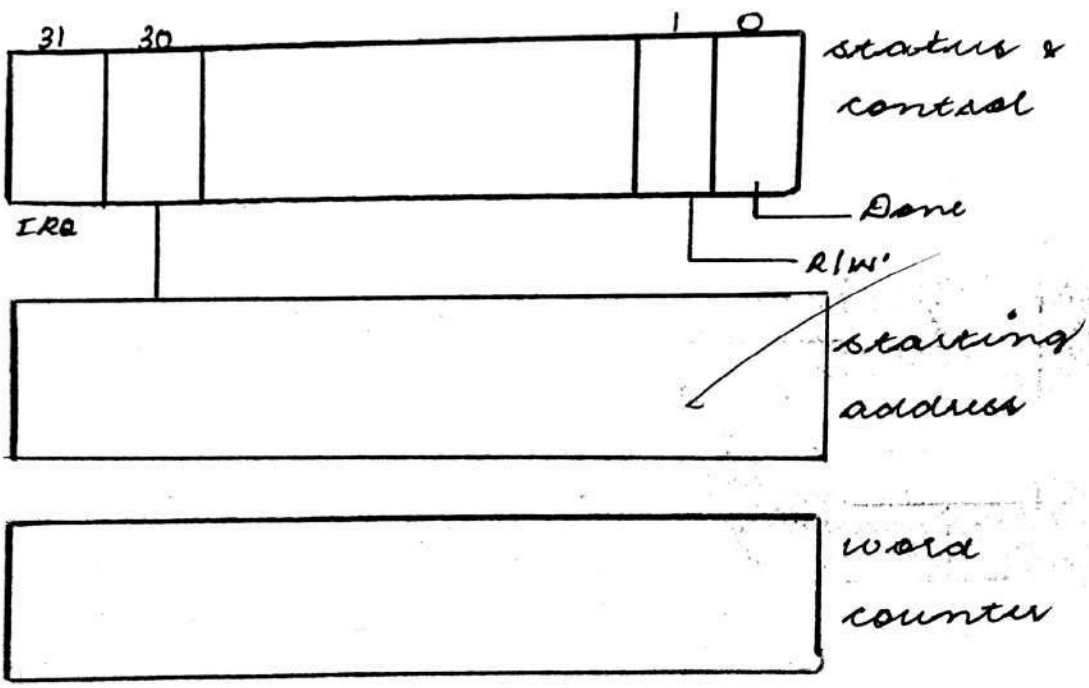
Hardware:

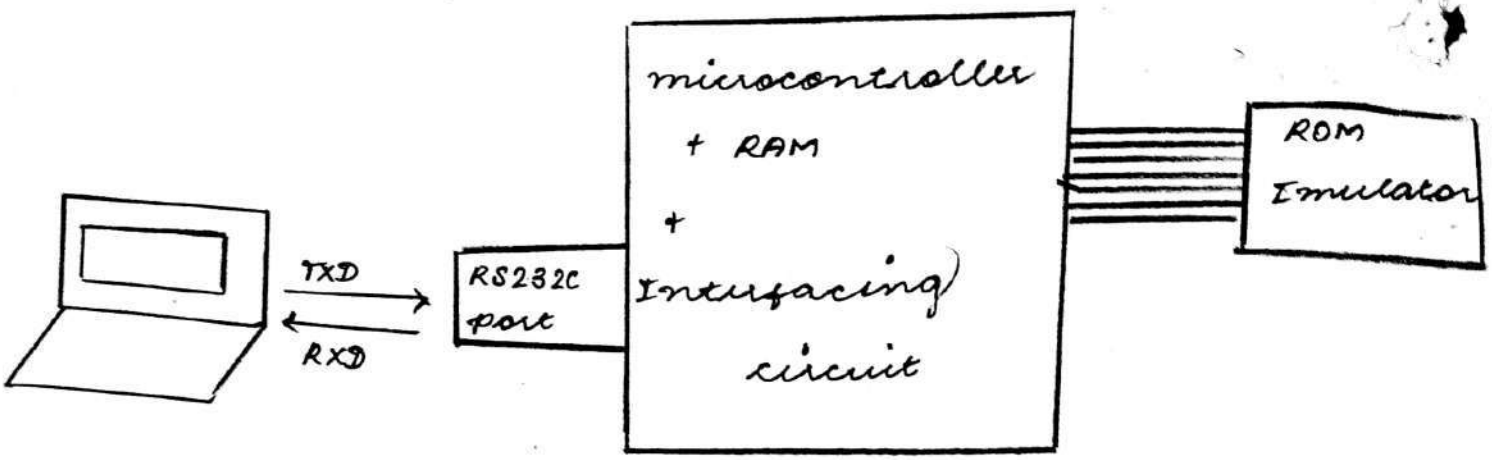


DMA block :-

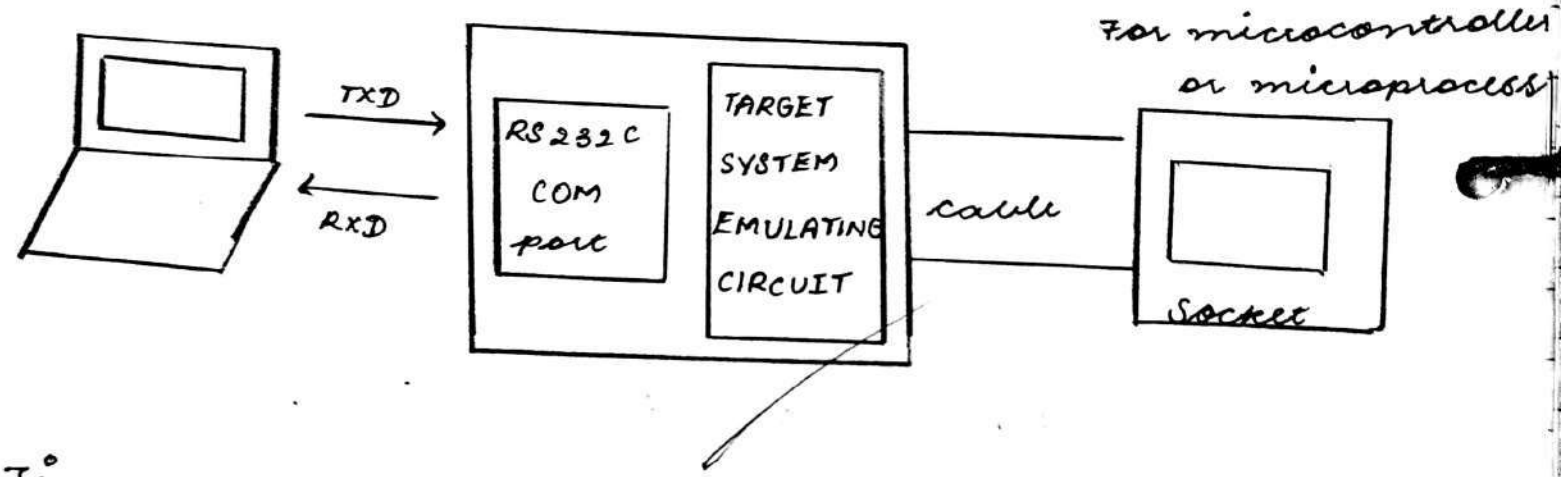


Register in DMA interface :

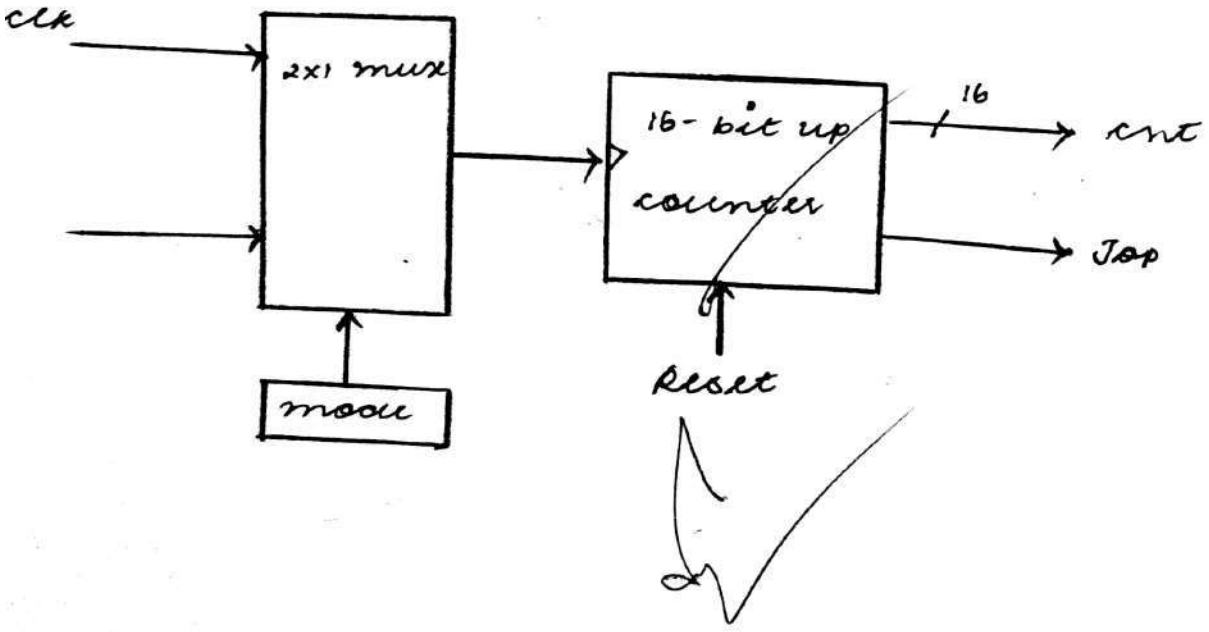




a) emulator.



Timer:-



TUTORIAL

1

NAME : T. AKASH.

BATCH NO : 223006

COURSE : EE8501- Power System operation & Control.

COURSE CODE: EE8501.

YEAR/SEC : III Yr / V sem - 'A' sec.

SUBMISSION (5)	SOLVING METHODOLOGY (5)	TOTAL (10)	STAFF SIGNATURE
5	5	10	M.Lenub

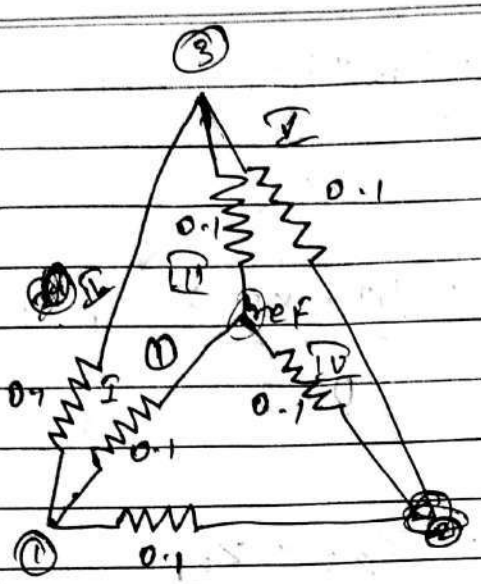
0·1 0·2 0·3

elimination:

PAGE NO.
DATE : / /

1.

T. AKASH
223006



10/10

① & ref

$Z_{Bus} = [0.1]$

Add an element B/w I & II

$$Z_{Bus} = \begin{bmatrix} 0.1 & 0.1 \\ 0.1 & 0.2 \end{bmatrix}$$

Adding an element b/w 3 and ref Existing

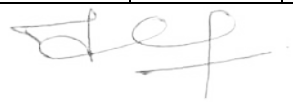
$$= \begin{bmatrix} 0.1 & 0.1 & 0.1 \\ 0.1 & 0.2 & 0.2 \\ 0.1 & 0.2 & 0.3 \end{bmatrix}$$

elimination:-

$$Z_{ij} = Z_{ij}\,o - \frac{Z_{in} \times Z_{nj}}{Z_{nn}} =$$

0.0333

Name of Faculty member(s): Dr. P.Ram Prakash & Mr.R.Vijay

Sl.No.	Name of Practical, Semester & Class	Description	Cycle I Experiments (Exercises)						
			1	2	3	4	5	6	7
1	EI8461 – Devices and Machines Laboratory IV-ICE	Experiment/ Exercise completed on (date)							
		Observation Note verified on (date)							
		Viva-Voce conducted on (date)							
		Record Note valued on (date)							
		Description	**Cycle II Experiments (Exercises)**						
			8	**9**	**10**	**11**	**12**	**13**	**14**
		Experiment/ Exercise completed on (date)							
		Observation Note verified on (date)							
		Viva-Voce conducted on (date)							
		Record Note valued on (date)							
		Signature of Faculty member							
		HOD's Signature and Remarks							

COURSE LOG

Branch : ICE

Subject : E18461 - DEVICES & MACHINES LABORATORY

Date	Day Order	Period	Particulars of Portions Covered	Remarks
21.03.22	IV	1,2,3	Introduction	All Batches -
28.03.22	IV	1,2,3	cycle-I Experiments - 1 and 2	"
04.04.22	IV	1,2,3	cycle - I Experiments - 3	"
11.04.22	IV	1,2,3	cycle - I Experiments - 4	"
28.04.22	IV	2,3	cycle - I Experiments - 5	"
27.04.22	IV	1,2,3	cycle - I Experiments - 6	"
07.05.22	IV	1,2,3	cycle - I - Revision & cycle - II Introduction	Completed the pending Experiments for absentees.
13.05.22	IV	2,3	Cycle - II Experiments	All Batches
19.05.22	IV	2,3	cycle - II Experiments	"
26.05.22	IV	1,2,3	cycle - III Experiments	"
01.06.22	IV	1,2,3	cycle - III Experiments	"
08.06.22	IV	2,3	cycle - IV Experiments	"
14.06.22	IV	2,3	Record note submission	"

27/6/22

HOD/EEE

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 20/6/22

Ref : SCE/Syllabus/ Theory/2021-22-Even sem

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Professional Ethics in Engineering, code GE8076 for Final year, 8th A semester, department of EEE B.E/ B.Tech/ MBA during the academic year 2021 – 22, even semester. In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 43 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 5 years.

Signature : 20/6/22

Name : Dr. C. Krishnakumar

Designation : Professor & Head

Department : EEE

Date : 20-06-22.

Signature of HoD : 20/6/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 20.6.22

Ref : SCE/Syllabus/ Theory/2021-22-Even sem

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Electrical Machines-II , code EE 8401 for II year, IV semester, department of EEE B.E/B.Tech/MBA during the academic year 2021 – 22, Even semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 41 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 5 years.

Signature :

Name : P. RAMESH BABU

Designation : Assistant Professor

Department : EEE

Date : 20.6.22

Signature of HoD : 20/6/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 14.06.2022

Ref : SCE/Syllabus/Laboratory/2021-22-Even sem

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	: 14/6/22	Signature	:
Name	: P.RAM PRAKASH	Name	: R.VIJAY
Designation	: ASSISTANT PROFESSOR	Designation	: ASSISTANT PROFESSOR
Department	: EEE		
	Signature of HoD	:	
	Principal	:	

Note: List of the students who have not got bonafide, if any, to be enclosed.

EE8461 - DEVICES AND MACHINES LABORATORY

1. Simulation & experimental characterization of semiconductor diode and Zener diode
2. Simulation & experimental characterization of NPN Transistor under CE configuration
3. Simulation and experimental characterization of UJT and generation of saw tooth waveforms
4. Simulation of passive filters
5. Simulation of 1φ half wave and full wave rectifiers with inductive & capacitive filters.
6. open circuit & load characteristics of DC shunt Generator
7. Load test on DC shunt motor
8. Speed control of DC shunt motor
9. Open circuit and short circuit test on single phase Transformer
10. Load test on single phase induction motor.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date:15-06-2022

Ref : SCE/Syllabus/Laboratory/2021-22- Even sem/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	: 21/06/22	Signature	: 21/06
Name	: C. Pauline Kamalini	Name	: S. Ramprasath
Designation	: AP	Designation	: Assistant Professor.
Department	: EEE.		
	Signature of HoD :	21/6/22	
	Principal :		

Note: List of the students who have not got bonafide, if any, to be enclosed.

EE8661 POWER ELECTRONICS AND DRIVES LABORATORY L T P C 0 0 4 2

OBJECTIVES:

To provide hands on experience with power electronic converters and testing.

LIST OF EXPERIMENTS

1 Gate Pulse Generation using R, RC and UJT.

2 Characteristics of SCR and TRIAC

3 Characteristics of MOSFET and IGBT

4 AC to DC half controlled converter

5 AC to DC fully controlled Converter

6 Step down and step up MOSFET based choppers

7 IGBT based single phase PWM inverter

9 AC Voltage controllers

10 Switched mode power converters.

11 Simulation of PE circuits (1Φ & 3Φ semi converters, 1Φ & 3Φ full converters, DC-DC converters, AC voltage controllers).

12 Characteristics of GTO & IGCT.

13 Characteristics of PMBLDC motor

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **1** Programme: **B.E/B.Tech (EEE)**
Subject Code : **HS3151** NBA Code : **C101** Title **PROFESSIONAL ENGLISH - 1**
Faculty: Mr.C.Gnanadesikan

Cos	CO Description	Attained Level	%
C101.1	To improve the communicative competence of learners by throwing light on vocabulary and basic grammar	2.4	80.00
C101.2	To help learners use language effectively in academic (grammar) /work contexts (reports)	2.54	84.67
C101.3	To build on students¿ English language skills by engaging them in listening, speaking and grammar learning activities those are relevant to authentic contexts.	2.56	85.33
C101.4	To develop learners¿ ability to read and write complex texts, summaries, articles, blogs, Definitions, essays and user manuals.	2.4	80.00
C101.5	To use language efficiently in expressing their opinions via various media and graphical representation.	2.4	80.00
C101.6	Participate effectively in informal conversations; introduce themselves and their friends and express opinion in English with different types of sentences	2.44	81.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 57

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
243001	HS3151	3	2	2	2	2	2	30/03/2022	EEE	1
243002	HS3151	2	3	3	3	2	2	30/03/2022	EEE	1
243003	HS3151	2	3	3	3	2	2	30/03/2022	EEE	1
243004	HS3151	2	2	3	2	2	3	30/03/2022	EEE	1
243005	HS3151	3	3	3	2	2	3	30/03/2022	EEE	1
243006	HS3151	3	3	3	2	3	3	30/03/2022	EEE	1
243007	HS3151	2	3	2	2	2	3	30/03/2022	EEE	1
243008	HS3151	3	2	2	2	2	2	30/03/2022	EEE	1
243009	HS3151	3	2	3	2	3	2	30/03/2022	EEE	1
243010	HS3151	3	2	2	2	2	3	30/03/2022	EEE	1
243011	HS3151	3	2	3	2	3	2	30/03/2022	EEE	1
243012	HS3151	2	2	2	2	2	3	30/03/2022	EEE	1
243014	HS3151	2	3	3	2	3	2	30/03/2022	EEE	1
243015	HS3151	2	2	3	2	2	2	30/03/2022	EEE	1
243016	HS3151	2	2	2	3	2	2	30/03/2022	EEE	1
243017	HS3151	3	3	3	2	3	2	30/03/2022	EEE	1
243018	HS3151	3	3	3	3	2	3	30/03/2022	EEE	1
243019	HS3151	2	3	3	2	3	2	30/03/2022	EEE	1

243020	HS3151	3	3	3	3	2	3	30/03/2022	EEE	1
243021	HS3151	3	3	3	2	3	2	30/03/2022	EEE	1
243022	HS3151	2	3	2	3	2	3	30/03/2022	EEE	1
243023	HS3151	2	2	2	2	3	3	30/03/2022	EEE	1
243024	HS3151	2	2	3	3	3	3	30/03/2022	EEE	1
243025	HS3151	3	3	2	3	2	3	30/03/2022	EEE	1
243026	HS3151	2	3	3	2	2	3	30/03/2022	EEE	1
243027	HS3151	3	2	3	3	3	2	30/03/2022	EEE	1
243028	HS3151	2	2	3	2	2	2	30/03/2022	EEE	1
243029	HS3151	2	3	3	2	2	2	30/03/2022	EEE	1
243030	HS3151	3	3	3	3	3	2	30/03/2022	EEE	1
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243035	HS3151	3	3	2	2	2	3	30/03/2022	EEE	1
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243037	HS3151	2	3	2	3	2	2	30/03/2022	EEE	1
243038	HS3151	3	2	2	2	3	2	30/03/2022	EEE	1
243039	HS3151	2	3	2	2	2	2	30/03/2022	EEE	1
243040	HS3151	2	3	2	3	2	3	30/03/2022	EEE	1
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243042	HS3151	2	2	2	3	2	2	30/03/2022	EEE	1
243043	HS3151	2	3	3	2	3	3	30/03/2022	EEE	1
243044	HS3151	2	2	3	2	3	2	30/03/2022	EEE	1
243046	HS3151	2	3	3	3	2	3	30/03/2022	EEE	1
243047	HS3151	2	3	2	2	2	2	30/03/2022	EEE	1
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243049	HS3151	2	3	3	2	2	3	30/03/2022	EEE	1
243051	HS3151	2	2	3	3	3	3	30/03/2022	EEE	1
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243055	HS3151	2	3	3	2	3	2	30/03/2022	EEE	1
243056	HS3151	2	2	2	3	2	2	30/03/2022	EEE	1
243057	HS3151	2	2	3	2	3	2	30/03/2022	EEE	1
243058	HS3151	2	2	2	2	3	2	30/03/2022	EEE	1
243059	HS3151	3	3	3	2	2	3	30/03/2022	EEE	1
243060	HS3151	3	2	3	3	2	3	30/03/2022	EEE	1
Attained Level		2.4	2.54	2.56	2.4	2.4	2.44			
%		80.00	84.67	85.33	80.00	80.00	81.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **1** Programme: **B.E/B.Tech (EEE)**
Subject Code : **MA3151** NBA Code : **C102** Title **MATRICES AND CALCULUS**
Faculty: Dr.N.Subashini

Cos	CO Description	Attained Level	%
C102.1	Eigen values and eigen vectors, diagonalization of a matrix, symmetric matrices, positive definite matrices and similar matrices.	2.49	83.00
C102.2	Understand the limit, continuity and derivative of the functions. Solve various functions and its maxima/minima using differentiation rules.	2.4	80.00
C102.3	Apply the total and partial derivatives in Taylor series expansion of functions and the extremum of functions.	2.44	81.33
C102.4	Evaluate the integrals both by using Riemann sums and by using the Fundamental theorem of Calculus. Evaluate integrals using various techniques of integration.	2.44	81.33
C102.5	Understand the concepts of double integration and determine the area using integration. Also understands the concepts of the change of order of integration and change of variables in integrals.	2.51	83.67
C102.6	Understand the concepts of triple integration and determine the volume using integration.	2.47	82.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 57

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
243001	MA3151	3	3	3	2	3	2	30/03/2022	EEE	1
243002	MA3151	3	2	2	2	3	2	30/03/2022	EEE	1
243003	MA3151	3	2	2	3	3	2	30/03/2022	EEE	1
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243005	MA3151	2	2	3	3	3	2	30/03/2022	EEE	1
243006	MA3151	3	3	3	2	3	2	30/03/2022	EEE	1
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243017	MA3151	3	3	3	2	3	3	30/03/2022	EEE	1
243018	MA3151	2	2	3	2	2	3	30/03/2022	EEE	1
243019	MA3151	3	2	2	2	2	3	30/03/2022	EEE	1

243020	MA3151	2	2	2	2	3	3	30/03/2022	EEE	1
243021	MA3151	2	2	3	2	3	3	30/03/2022	EEE	1
243022	MA3151	2	3	3	2	3	2	30/03/2022	EEE	1
243023	MA3151	3	3	3	2	3	3	30/03/2022	EEE	1
243024	MA3151	3	2	2	2	3	2	30/03/2022	EEE	1
243025	MA3151	3	3	2	2	3	3	30/03/2022	EEE	1
243026	MA3151	3	2	2	3	2	3	30/03/2022	EEE	1
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243031	MA3151	3	2	3	2	2	3	30/03/2022	EEE	1
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243036	MA3151	2	2	2	2	2	3	30/03/2022	EEE	1
243037	MA3151	2	2	3	3	2	2	30/03/2022	EEE	1
243038	MA3151	2	3	2	3	3	2	30/03/2022	EEE	1
243039	MA3151	3	2	3	2	3	2	30/03/2022	EEE	1
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243058	MA3151	2	2	2	3	2	2	30/03/2022	EEE	1
243059	MA3151	3	2	2	3	3	3	30/03/2022	EEE	1
243060	MA3151	2	2	2	3	2	2	30/03/2022	EEE	1
Attained Level		2.49	2.4	2.44	2.44	2.51	2.47			
%		83.00	80.00	81.33	81.33	83.67	82.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **1** Programme: **B.E/B.Tech (EEE)**
Subject Code : **PH3151** NBA Code : **C103** Title **ENGINEERING PHYSICS**
Faculty: Dr.K.Karthikeyan

Cos	CO Description	Attained Level	%
C103.1	Understand the importance of mechanics	2.56	85.33
C103.2	Express their knowledge in electromagnetic waves	2.46	82.00
C103.3	Demonstrate a strong foundational knowledge in optics and lasers	2.47	82.33
C103.4	Understand the importance of quantum physics.	2.63	87.67
C103.5	Comprehend and apply quantum mechanical principles towards the formation of energy bands	2.53	84.33
C103.6	Demonstrate a strong foundational knowledge in oscillations.	2.53	84.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 57

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
243001	PH3151	3	2	3	3	3	2	30/03/2022	EEE	1
243002	PH3151	2	2	2	3	2	3	30/03/2022	EEE	1
243003	PH3151	2	3	3	3	2	3	30/03/2022	EEE	1
243004	PH3151	3	2	3	3	3	3	30/03/2022	EEE	1
243005	PH3151	3	2	2	3	2	3	30/03/2022	EEE	1
243006	PH3151	2	3	2	3	3	3	30/03/2022	EEE	1
243007	PH3151	2	3	2	3	2	2	30/03/2022	EEE	1
243008	PH3151	3	3	3	2	3	2	30/03/2022	EEE	1
243009	PH3151	2	2	3	3	2	2	30/03/2022	EEE	1
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243012	PH3151	3	3	2	3	3	3	30/03/2022	EEE	1
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243022	PH3151	2	3	2	2	3	2	30/03/2022	EEE	1
243023	PH3151	2	2	3	3	3	2	30/03/2022	EEE	1
243024	PH3151	3	2	2	3	3	3	30/03/2022	EEE	1

243025	PH3151	3	2	2	3	2	3	30/03/2022	EEE	1
243026	PH3151	2	2	2	2	3	2	30/03/2022	EEE	1
243027	PH3151	2	2	3	2	2	2	30/03/2022	EEE	1
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243038	PH3151	3	2	2	3	3	3	30/03/2022	EEE	1
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243047	PH3151	3	3	3	2	3	2	30/03/2022	EEE	1
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243057	PH3151	3	2	3	3	2	2	30/03/2022	EEE	1
243058	PH3151	3	3	3	2	3	2	30/03/2022	EEE	1
243059	PH3151	3	3	2	3	2	3	30/03/2022	EEE	1
243060	PH3151	2	3	3	3	2	3	30/03/2022	EEE	1
Attained Level		2.56	2.46	2.47	2.63	2.53	2.53			
%		85.33	82.00	82.33	87.67	84.33	84.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **1** Programme: **B.E/B.Tech (EEE)**
Subject Code : **CY3151** NBA Code : **C104** Title **ENGINEERING CHEMISTRY**
Faculty: Dr.G.Thulasi

Cos	CO Description	Attained Level	%
C104.1	To infer the quality of water from quality parameter data and propose suitable treatment methodologies to treat water	2.49	83.00
C104.2	To identify and apply basic concepts of nanoscience and nanotechnology in designing the synthesis of nanomaterials for engg and tech. applications.	2.44	81.33
C104.3	To apply the knowledge of phase rule and composites for materials selection requirements.	2.54	84.67
C104.4	To recommend suitable fuel for engg. processes and applications	2.47	82.33
C104.5	To analyse combustion process and its calculations	2.56	85.33
C104.6	To recognize different forms of energy resources and apply them for suitable applications in energy sectors.	2.51	83.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 57

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
243001	CY3151	2	3	3	3	2	2	30/03/2022	EEE	1
243002	CY3151	3	3	2	3	3	2	30/03/2022	EEE	1
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243011	CY3151	2	3	3	2	3	3	30/03/2022	EEE	1
243012	CY3151	2	2	2	2	3	2	30/03/2022	EEE	1
243014	CY3151	2	2	3	2	3	3	30/03/2022	EEE	1
243015	CY3151	2	2	2	2	2	3	30/03/2022	EEE	1
243016	CY3151	3	3	2	3	3	3	30/03/2022	EEE	1
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243056	CY3151	2	3	2	3	2	2	30/03/2022	EEE	1
243057	CY3151	2	2	3	3	3	3	30/03/2022	EEE	1
243058	CY3151	2	2	3	2	3	2	30/03/2022	EEE	1
243059	CY3151	2	2	3	2	3	2	30/03/2022	EEE	1
243060	CY3151	2	3	3	3	3	3	30/03/2022	EEE	1
Attained Level		2.49	2.44	2.54	2.47	2.56	2.51			
%		83.00	81.33	84.67	82.33	85.33	83.67			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **1** Programme: **B.E/B.Tech (EEE)**
Subject Code : **GE3151** NBA Code : **C105** Title **PROBLEM SOLVING AND PYTHON PROGRAMMING**
Faculty: Ms.S.Ranjani

Cos	CO Description	Attained Level	%
C105.1	Develop Algorithmic solutions to simple Computational Problems	2.54	84.67
C105.2	Read,write,execute by handful of simple python programs	2.56	85.33
C105.3	Structure Simple python programs for solving problems	2.58	86.00
C105.4	Decompose a python programs into functions	2.42	80.67
C105.5	Represent Compound data using Python lists,tuples and Dictionaries	2.49	83.00
C105.6	Read & Write Data from /to Files in python programs	2.54	84.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 57

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
243001	GE3151	2	2	2	3	2	2	30/03/2022	EEE	1
243002	GE3151	3	3	3	2	2	2	30/03/2022	EEE	1
243003	GE3151	3	2	2	2	3	3	30/03/2022	EEE	1
243004	GE3151	3	2	3	3	2	2	30/03/2022	EEE	1
243005	GE3151	2	3	3	3	3	3	30/03/2022	EEE	1
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243022	GE3151	3	3	3	3	2	3	30/03/2022	EEE	1
243023	GE3151	2	3	2	2	3	2	30/03/2022	EEE	1
243024	GE3151	3	3	3	3	3	3	30/03/2022	EEE	1

243025	GE3151	2	3	3	3	2	2	30/03/2022	EEE	1
243026	GE3151	3	3	3	3	3	3	30/03/2022	EEE	1
243027	GE3151	2	2	3	2	2	3	30/03/2022	EEE	1
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243057	GE3151	3	3	3	3	2	2	30/03/2022	EEE	1
243058	GE3151	2	3	2	2	3	2	30/03/2022	EEE	1
243059	GE3151	3	3	3	2	2	2	30/03/2022	EEE	1
243060	GE3151	2	3	2	2	2	2	30/03/2022	EEE	1
Attained Level		2.54	2.56	2.58	2.42	2.49	2.54			
%		84.67	85.33	86.00	80.67	83.00	84.67			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (EEE)**
Subject Code : **MA8353** NBA Code : **C201** Title **TRANSFORMS AND PARTIAL DIFFERENTIAL EQUATIONS**
Faculty: Dr.S.Anupriya

Cos	CO Description	Attained Level	%
C201.1	The fundamental concepts of PDE and various solution procedures for solving first nonlinear PDE	2.51	83.67
C201.2	Analytical methods for solving higer order PDE	2.41	80.33
C201.3	Understand the Dirichlet's conditions, basic concepts in FS, analyze their properties such as parseval's identitity its problems	2.46	82.00
C201.4	The apply of FS for solving the initial BVP in 1-D wave and heat eqns and BVPs in elliptic eqns	2.5	83.33
C201.5	Understand, Apply, evaluate and analyze the concepts of FT and mathematical concepts which are applied in varifield of Engg	2.43	81.00
C201.6	The mathematical techniques of Z-transforms applied in various topics in engg. discipline	2.53	84.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 70

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
233001	MA8353	2	3	2	2	3	2	30/03/2022	EEE	3
233002	MA8353	3	2	2	2	2	2	30/03/2022	EEE	3
233003	MA8353	2	3	3	3	3	2	30/03/2022	EEE	3
233004	MA8353	3	3	3	2	2	3	30/03/2022	EEE	3
233005	MA8353	3	3	2	2	2	2	30/03/2022	EEE	3
233006	MA8353	3	2	2	2	2	3	30/03/2022	EEE	3
233007	MA8353	2	3	3	2	2	3	30/03/2022	EEE	3
233008	MA8353	2	3	2	2	3	3	30/03/2022	EEE	3
233009	MA8353	3	2	3	3	2	2	30/03/2022	EEE	3
233010	MA8353	3	3	2	2	2	3	30/03/2022	EEE	3
233011	MA8353	3	3	3	3	3	2	30/03/2022	EEE	3
233012	MA8353	2	2	2	3	2	2	30/03/2022	EEE	3
233013	MA8353	2	2	3	2	3	2	30/03/2022	EEE	3
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233017	MA8353	2	2	2	3	2	3	30/03/2022	EEE	3
233018	MA8353	3	2	3	2	3	2	30/03/2022	EEE	3
233019	MA8353	2	3	2	2	2	2	30/03/2022	EEE	3

233020	MA8353	3	2	2	2	2	2	30/03/2022	EEE	3
233021	MA8353	2	3	2	3	3	2	30/03/2022	EEE	3
233022	MA8353	3	2	2	2	3	3	30/03/2022	EEE	3
233023	MA8353	3	3	3	3	2	3	30/03/2022	EEE	3
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233041	MA8353	3	2	3	2	3	3	30/03/2022	EEE	3
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233056	MA8353	2	3	2	2	2	2	30/03/2022	EEE	3
233058	MA8353	3	2	2	2	2	3	30/03/2022	EEE	3
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233071	MA8353	3	3	2	2	3	2	30/03/2022	EEE	3
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233073	MA8353	3	2	3	3	3	3	30/03/2022	EEE	3
233074	MA8353	3	2	2	2	2	2	30/03/2022	EEE	3
Attained Level		2.51	2.41	2.46	2.5	2.43	2.53			
%		83.67	80.33	82.00	83.33	81.00	84.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8391** NBA Code : **C203** Title **ELECTROMAGNETIC THEORY**
Faculty: Ms.N.Gayathri

Cos	CO Description	Attained Level	%
C203.1	To introduce the basic mathematical concepts related to electromagnetic vector fields	2.5	83.33
C203.2	To impart knowledge on the concepts of electrostatics, electrical potential, energy density and their applications.	2.5	83.33
C203.3	To impart knowledge on the concepts of magnetostatics, magnetic flux density, scalar and vector potential and its applications.	2.41	80.33
C203.4	To impart knowledge on the concepts of Faraday¿s law, induced emf and Maxwell¿s equations.	2.44	81.33
C203.5	To impart knowledge on the concepts of electromagnetic waves and Poynting vector.	2.53	84.33
C203.6		2.44	81.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 70

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
233001	EE8391	3	2	2	3	2	3	30/03/2022	EEE	3
233002	EE8391	2	3	2	3	3	3	30/03/2022	EEE	3
233003	EE8391	2	2	2	3	2	2	30/03/2022	EEE	3
233004	EE8391	2	3	3	2	3	3	30/03/2022	EEE	3
233005	EE8391	2	3	2	2	3	2	30/03/2022	EEE	3
233006	EE8391	2	3	2	2	2	2	30/03/2022	EEE	3
233007	EE8391	2	2	2	2	2	2	30/03/2022	EEE	3
233008	EE8391	2	2	3	2	2	3	30/03/2022	EEE	3
233009	EE8391	3	3	3	3	3	3	30/03/2022	EEE	3
233010	EE8391	3	2	2	3	2	3	30/03/2022	EEE	3
233011	EE8391	2	3	3	2	3	2	30/03/2022	EEE	3
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233018	EE8391	2	2	2	3	3	3	30/03/2022	EEE	3
233019	EE8391	2	2	2	2	3	2	30/03/2022	EEE	3
233020	EE8391	3	2	2	3	3	2	30/03/2022	EEE	3

233021	EE8391	2	3	3	2	2	3	30/03/2022	EEE	3
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233023	EE8391	3	2	3	2	3	3	30/03/2022	EEE	3
233024	EE8391	2	2	2	2	2	3	30/03/2022	EEE	3
233025	EE8391	3	3	3	2	2	2	30/03/2022	EEE	3
233026	EE8391	2	3	2	3	3	3	30/03/2022	EEE	3
233027	EE8391	3	3	2	2	2	3	30/03/2022	EEE	3
233028	EE8391	3	2	3	2	3	3	30/03/2022	EEE	3
233029	EE8391	2	3	2	3	2	2	30/03/2022	EEE	3
233030	EE8391	3	2	2	2	3	3	30/03/2022	EEE	3
233031	EE8391	3	3	2	2	2	3	30/03/2022	EEE	3
233032	EE8391	2	3	2	3	3	2	30/03/2022	EEE	3
233033	EE8391	2	3	3	2	3	3	30/03/2022	EEE	3
233034	EE8391	3	3	3	3	2	3	30/03/2022	EEE	3
233035	EE8391	2	3	3	3	3	2	30/03/2022	EEE	3
233036	EE8391	3	3	3	2	3	3	30/03/2022	EEE	3
233037	EE8391	2	2	2	3	2	2	30/03/2022	EEE	3
233038	EE8391	3	2	2	2	3	2	30/03/2022	EEE	3
233040	EE8391	3	2	3	3	2	3	30/03/2022	EEE	3
233041	EE8391	2	3	3	3	3	3	30/03/2022	EEE	3
233042	EE8391	3	2	2	2	3	2	30/03/2022	EEE	3
233043	EE8391	2	2	2	2	2	3	30/03/2022	EEE	3
233044	EE8391	2	2	3	2	3	2	30/03/2022	EEE	3
233045	EE8391	2	3	3	2	2	2	30/03/2022	EEE	3
233046	EE8391	3	3	3	3	3	2	30/03/2022	EEE	3
233047	EE8391	3	2	2	3	2	2	30/03/2022	EEE	3
233048	EE8391	3	3	2	2	2	3	30/03/2022	EEE	3
233049	EE8391	2	3	2	2	3	3	30/03/2022	EEE	3
233050	EE8391	3	2	3	3	2	2	30/03/2022	EEE	3
233051	EE8391	2	3	2	2	2	3	30/03/2022	EEE	3
233052	EE8391	3	2	2	2	2	2	30/03/2022	EEE	3
233053	EE8391	2	3	2	2	2	2	30/03/2022	EEE	3
233054	EE8391	3	2	2	2	3	3	30/03/2022	EEE	3
233055	EE8391	2	3	2	2	3	3	30/03/2022	EEE	3
233056	EE8391	3	2	3	2	2	2	30/03/2022	EEE	3
233058	EE8391	2	2	2	3	3	3	30/03/2022	EEE	3
233059	EE8391	3	3	3	3	2	2	30/03/2022	EEE	3
233060	EE8391	2	3	2	3	2	3	30/03/2022	EEE	3
233061	EE8391	3	2	3	2	2	2	30/03/2022	EEE	3
233062	EE8391	3	2	2	2	3	2	30/03/2022	EEE	3
233064	EE8391	2	3	3	2	3	2	30/03/2022	EEE	3
233065	EE8391	3	3	2	3	3	2	30/03/2022	EEE	3

233066	EE8391	3	2	2	2	2	2	30/03/2022	EEE	3
233068	EE8391	3	2	2	3	3	2	30/03/2022	EEE	3
233069	EE8391	2	2	2	3	3	2	30/03/2022	EEE	3
233070	EE8391	3	2	3	3	2	2	30/03/2022	EEE	3
233071	EE8391	2	3	2	2	3	2	30/03/2022	EEE	3
233072	EE8391	3	3	2	3	3	3	30/03/2022	EEE	3
233073	EE8391	2	3	3	3	3	2	30/03/2022	EEE	3
233074	EE8391	2	3	2	3	3	2	30/03/2022	EEE	3
Attained Level		2.5	2.5	2.41	2.44	2.53	2.44			
%		83.33	83.33	80.33	81.33	84.33	81.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8301** NBA Code : **C204** Title **ELECTRICAL MACHINES - I**
Faculty: Mr.P.Ramesh Babu

Cos	CO Description	Attained Level	%
C204.1	Explain the basic concept of magnetic materials and circuits used in electric machines	2.49	83.00
C204.2	Explain the construction,working principle of single and three phase transformers and analyze their performance for different loading conditions	2.51	83.67
C204.3	Examine the diversified parameters of single phase transformer through various testing methods	2.54	84.67
C204.4	Illustrate the concepts of electromechanical energy conversion principles and formulate the expressions for voltage and torque in all rotating machines.	2.5	83.33
C204.5	Explain the construction,working principle,types,characteristics and applications of DC generators	2.46	82.00
C204.6	Explain the working principle, speed control methods of DC motor and estimate the performance of DC motors through various testing methodologies.	2.54	84.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 70

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
233001	EE8301	2	2	3	3	2	2	30/03/2022	EEE	3
233002	EE8301	3	2	2	3	2	3	30/03/2022	EEE	3
233003	EE8301	2	2	3	2	2	2	30/03/2022	EEE	3
233004	EE8301	2	2	3	2	3	3	30/03/2022	EEE	3
233005	EE8301	2	3	3	3	3	2	30/03/2022	EEE	3
233006	EE8301	2	3	2	3	3	3	30/03/2022	EEE	3
233007	EE8301	2	3	3	3	3	3	30/03/2022	EEE	3
233008	EE8301	3	2	2	3	2	2	30/03/2022	EEE	3
233009	EE8301	2	3	3	2	3	3	30/03/2022	EEE	3
233010	EE8301	3	3	2	3	3	2	30/03/2022	EEE	3
233011	EE8301	2	2	2	3	3	3	30/03/2022	EEE	3
233012	EE8301	3	2	3	2	3	3	30/03/2022	EEE	3
233013	EE8301	3	3	2	2	2	3	30/03/2022	EEE	3
233014	EE8301	3	2	3	3	2	3	30/03/2022	EEE	3
233015	EE8301	3	3	2	2	2	2	30/03/2022	EEE	3
233016	EE8301	2	2	3	3	2	2	30/03/2022	EEE	3
233017	EE8301	3	2	3	2	2	3	30/03/2022	EEE	3
233018	EE8301	3	3	3	3	3	2	30/03/2022	EEE	3
233019	EE8301	2	2	2	3	2	3	30/03/2022	EEE	3

233020	EE8301	3	3	3	3	3	2	30/03/2022	EEE	3
233021	EE8301	2	3	3	2	2	3	30/03/2022	EEE	3
233022	EE8301	2	2	2	3	3	2	30/03/2022	EEE	3
233023	EE8301	3	3	2	2	2	3	30/03/2022	EEE	3
233024	EE8301	3	3	2	3	2	3	30/03/2022	EEE	3
233025	EE8301	2	3	2	3	2	2	30/03/2022	EEE	3
233026	EE8301	2	3	2	2	3	3	30/03/2022	EEE	3
233027	EE8301	3	3	2	3	2	2	30/03/2022	EEE	3
233028	EE8301	2	3	2	2	3	3	30/03/2022	EEE	3
233029	EE8301	2	3	3	2	2	2	30/03/2022	EEE	3
233030	EE8301	3	3	3	2	3	3	30/03/2022	EEE	3
233031	EE8301	3	2	2	2	2	2	30/03/2022	EEE	3
233032	EE8301	3	2	3	3	3	3	30/03/2022	EEE	3
233033	EE8301	3	2	3	2	3	3	30/03/2022	EEE	3
233034	EE8301	3	3	3	3	3	2	30/03/2022	EEE	3
233035	EE8301	2	2	3	3	3	3	30/03/2022	EEE	3
233036	EE8301	2	3	2	2	2	2	30/03/2022	EEE	3
233037	EE8301	2	2	2	3	3	3	30/03/2022	EEE	3
233038	EE8301	2	2	3	2	2	2	30/03/2022	EEE	3
233040	EE8301	2	3	2	2	2	3	30/03/2022	EEE	3
233041	EE8301	2	2	2	3	2	3	30/03/2022	EEE	3
233042	EE8301	3	2	2	3	2	2	30/03/2022	EEE	3
233043	EE8301	2	2	3	3	3	3	30/03/2022	EEE	3
233044	EE8301	3	2	3	2	3	2	30/03/2022	EEE	3
233045	EE8301	3	2	3	3	3	3	30/03/2022	EEE	3
233046	EE8301	2	2	3	2	2	2	30/03/2022	EEE	3
233047	EE8301	2	2	2	2	2	3	30/03/2022	EEE	3
233048	EE8301	3	2	2	2	3	2	30/03/2022	EEE	3
233049	EE8301	3	3	3	2	2	3	30/03/2022	EEE	3
233050	EE8301	3	3	2	3	3	3	30/03/2022	EEE	3
233051	EE8301	2	2	2	3	2	2	30/03/2022	EEE	3
233052	EE8301	2	2	2	2	3	2	30/03/2022	EEE	3
233053	EE8301	3	2	3	2	2	2	30/03/2022	EEE	3
233054	EE8301	2	3	3	3	3	3	30/03/2022	EEE	3
233055	EE8301	2	3	3	3	3	3	30/03/2022	EEE	3
233056	EE8301	3	3	3	2	2	2	30/03/2022	EEE	3
233058	EE8301	2	3	2	3	3	3	30/03/2022	EEE	3
233059	EE8301	3	2	3	2	3	2	30/03/2022	EEE	3
233060	EE8301	3	2	2	2	2	3	30/03/2022	EEE	3
233061	EE8301	3	3	3	3	2	3	30/03/2022	EEE	3
233062	EE8301	2	2	2	2	2	2	30/03/2022	EEE	3
233064	EE8301	2	3	3	2	2	3	30/03/2022	EEE	3

233065	EE8301	2	3	2	3	3	2	30/03/2022	EEE	3
233066	EE8301	2	3	3	2	2	2	30/03/2022	EEE	3
233068	EE8301	2	3	3	3	2	3	30/03/2022	EEE	3
233069	EE8301	3	3	3	3	2	3	30/03/2022	EEE	3
233070	EE8301	3	3	2	2	2	3	30/03/2022	EEE	3
233071	EE8301	2	2	2	2	3	2	30/03/2022	EEE	3
233072	EE8301	3	2	3	3	2	3	30/03/2022	EEE	3
233073	EE8301	3	3	3	2	2	2	30/03/2022	EEE	3
233074	EE8301	3	3	3	2	3	2	30/03/2022	EEE	3
Attained Level		2.49	2.51	2.54	2.5	2.46	2.54			
%		83.00	83.67	84.67	83.33	82.00	84.67			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EC8353** NBA Code : **C205** Title **ELECTRON DEVICES AND CIRCUITS**
Faculty: Ms.C.Pearline Kamalini

Cos	CO Description	Attained Level	%
C205.1	Explain the operation and characteristics of PN junction diode, operation of Rectifiers with its classifications and also operations of Display devices.	2.47	82.33
C205.2	Draw and explain the Structure, operation and characteristics of BJT, JFET, MOSFET, UJT, Thyristor and also IGBT.	2.49	83.00
C205.3	Differentiate the CE, CB, CC amplifiers	2.41	80.33
C205.4	Discuss about the Multistage and Differential amplifiers.	2.47	82.33
C205.5	Describe about the Negative and Positive feedback.	2.47	82.33
C205.6	Explain about the oscillators and its types.	2.51	83.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 70

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
233001	EC8353	2	3	2	2	3	3	30/03/2022	EEE	3
233002	EC8353	2	3	2	3	2	2	30/03/2022	EEE	3
233003	EC8353	3	3	2	2	2	2	30/03/2022	EEE	3
233004	EC8353	3	2	3	2	3	2	30/03/2022	EEE	3
233005	EC8353	2	2	2	2	2	3	30/03/2022	EEE	3
233006	EC8353	3	2	2	3	3	2	30/03/2022	EEE	3
233007	EC8353	2	3	3	2	3	2	30/03/2022	EEE	3
233008	EC8353	2	3	2	2	2	3	30/03/2022	EEE	3
233009	EC8353	2	2	2	2	3	2	30/03/2022	EEE	3
233010	EC8353	3	2	3	3	2	2	30/03/2022	EEE	3
233011	EC8353	3	2	2	2	3	2	30/03/2022	EEE	3
233012	EC8353	3	3	3	3	3	3	30/03/2022	EEE	3
233013	EC8353	2	3	2	3	2	3	30/03/2022	EEE	3
233014	EC8353	3	2	2	3	2	2	30/03/2022	EEE	3
233015	EC8353	2	2	3	2	3	2	30/03/2022	EEE	3
233016	EC8353	3	3	2	3	2	3	30/03/2022	EEE	3
233017	EC8353	2	3	3	2	3	2	30/03/2022	EEE	3
233018	EC8353	2	2	3	3	2	3	30/03/2022	EEE	3
233019	EC8353	2	2	2	2	2	3	30/03/2022	EEE	3
233020	EC8353	2	3	2	3	2	2	30/03/2022	EEE	3
233021	EC8353	2	2	2	3	3	2	30/03/2022	EEE	3
233022	EC8353	2	3	3	3	2	3	30/03/2022	EEE	3

233023	EC8353	2	2	3	2	2	3	30/03/2022	EEE	3
233024	EC8353	3	2	3	3	2	3	30/03/2022	EEE	3
233025	EC8353	2	3	2	2	2	3	30/03/2022	EEE	3
233026	EC8353	3	3	2	2	2	3	30/03/2022	EEE	3
233027	EC8353	2	2	2	2	3	3	30/03/2022	EEE	3
233028	EC8353	3	3	3	3	2	3	30/03/2022	EEE	3
233029	EC8353	3	3	3	2	2	3	30/03/2022	EEE	3
233030	EC8353	3	2	3	3	2	3	30/03/2022	EEE	3
233031	EC8353	3	2	2	3	3	2	30/03/2022	EEE	3
233032	EC8353	2	2	3	3	3	2	30/03/2022	EEE	3
233033	EC8353	2	3	3	2	3	2	30/03/2022	EEE	3
233034	EC8353	3	2	2	2	3	3	30/03/2022	EEE	3
233035	EC8353	2	2	2	3	2	3	30/03/2022	EEE	3
233036	EC8353	3	3	3	3	3	2	30/03/2022	EEE	3
233037	EC8353	2	3	2	2	2	2	30/03/2022	EEE	3
233038	EC8353	2	2	2	3	2	2	30/03/2022	EEE	3
233040	EC8353	3	3	3	2	2	3	30/03/2022	EEE	3
233041	EC8353	2	2	3	2	3	2	30/03/2022	EEE	3
233042	EC8353	2	3	2	3	2	3	30/03/2022	EEE	3
233043	EC8353	3	3	3	2	2	2	30/03/2022	EEE	3
233044	EC8353	2	2	3	3	3	2	30/03/2022	EEE	3
233045	EC8353	3	2	3	2	3	3	30/03/2022	EEE	3
233046	EC8353	2	3	2	2	2	3	30/03/2022	EEE	3
233047	EC8353	3	2	2	3	3	2	30/03/2022	EEE	3
233048	EC8353	3	3	2	2	3	3	30/03/2022	EEE	3
233049	EC8353	2	2	3	2	3	2	30/03/2022	EEE	3
233050	EC8353	2	3	2	3	3	3	30/03/2022	EEE	3
233051	EC8353	3	3	2	2	3	2	30/03/2022	EEE	3
233052	EC8353	2	2	2	2	3	2	30/03/2022	EEE	3
233053	EC8353	3	2	2	3	2	3	30/03/2022	EEE	3
233054	EC8353	3	2	2	3	2	3	30/03/2022	EEE	3
233055	EC8353	3	3	3	2	3	3	30/03/2022	EEE	3
233056	EC8353	2	2	3	3	2	3	30/03/2022	EEE	3
233058	EC8353	3	2	2	3	2	3	30/03/2022	EEE	3
233059	EC8353	3	2	2	3	2	3	30/03/2022	EEE	3
233060	EC8353	2	3	2	3	2	3	30/03/2022	EEE	3
233061	EC8353	3	3	2	3	3	3	30/03/2022	EEE	3
233062	EC8353	3	3	3	2	3	3	30/03/2022	EEE	3
233064	EC8353	2	2	2	2	2	2	30/03/2022	EEE	3
233065	EC8353	3	3	2	2	2	2	30/03/2022	EEE	3
233066	EC8353	3	3	2	3	3	3	30/03/2022	EEE	3
233068	EC8353	2	3	2	2	3	3	30/03/2022	EEE	3

233069	EC8353	2	3	2	2	3	2	30/03/2022	EEE	3
233070	EC8353	3	2	2	2	3	2	30/03/2022	EEE	3
233071	EC8353	2	3	3	3	2	2	30/03/2022	EEE	3
233072	EC8353	2	2	3	2	3	2	30/03/2022	EEE	3
233073	EC8353	3	2	3	3	2	2	30/03/2022	EEE	3
233074	EC8353	2	2	3	2	2	2	30/03/2022	EEE	3
Attained Level		2.47	2.49	2.41	2.47	2.47	2.51			
%		82.33	83.00	80.33	82.33	82.33	83.67			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (EEE)**
Subject Code : **ME8792** NBA Code : **c206** Title **POWER PLANT ENGINEERING**
Faculty: Dr.C.Krishnakumar

Cos	CO Description	Attained Level	%
c206.1	Explain the layout, construction and working of the components inside a thermal power plant	2.46	82.00
c206.2	Explain the layout, construction and working of the components inside a Diesel, Gas and Combined cycle power plants	2.44	81.33
c206.3	Explain the layout, construction and working of the components inside nuclear power plants	2.59	86.33
c206.4	Explain the layout, construction and working of the components inside Renewable energy power plants	2.51	83.67
c206.5	Explain the applications of power plants while extend their knowledge to power plant economics	2.37	79.00
c206.6	environmental hazards and estimate the costs of electrical energy production.	2.51	83.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 70

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
233001	ME8792	3	2	3	2	3	2	30/03/2022	EEE	3
233002	ME8792	3	3	2	2	2	3	30/03/2022	EEE	3
233003	ME8792	2	2	3	3	3	2	30/03/2022	EEE	3
233004	ME8792	2	3	3	3	2	2	30/03/2022	EEE	3
233005	ME8792	2	2	2	3	2	3	30/03/2022	EEE	3
233006	ME8792	3	3	3	2	3	2	30/03/2022	EEE	3
233007	ME8792	2	2	3	3	2	2	30/03/2022	EEE	3
233008	ME8792	2	3	3	2	2	3	30/03/2022	EEE	3
233009	ME8792	2	2	3	3	2	2	30/03/2022	EEE	3
233010	ME8792	3	3	2	2	2	2	30/03/2022	EEE	3
233011	ME8792	2	2	3	3	2	3	30/03/2022	EEE	3
233012	ME8792	2	2	3	3	3	3	30/03/2022	EEE	3
233013	ME8792	3	3	2	3	3	3	30/03/2022	EEE	3
233014	ME8792	3	3	2	3	3	3	30/03/2022	EEE	3
233015	ME8792	3	2	3	3	2	3	30/03/2022	EEE	3
233016	ME8792	3	2	3	2	3	3	30/03/2022	EEE	3
233017	ME8792	2	3	2	3	3	2	30/03/2022	EEE	3
233018	ME8792	2	2	3	3	2	3	30/03/2022	EEE	3
233019	ME8792	3	2	3	2	3	3	30/03/2022	EEE	3
233020	ME8792	3	2	2	2	2	3	30/03/2022	EEE	3

233021	ME8792	3	2	3	3	2	2	30/03/2022	EEE	3
233022	ME8792	2	2	2	3	3	3	30/03/2022	EEE	3
233023	ME8792	2	3	2	3	3	2	30/03/2022	EEE	3
233024	ME8792	2	2	3	3	3	2	30/03/2022	EEE	3
233025	ME8792	2	3	2	3	2	2	30/03/2022	EEE	3
233026	ME8792	2	3	3	3	2	3	30/03/2022	EEE	3
233027	ME8792	3	2	3	2	3	2	30/03/2022	EEE	3
233028	ME8792	3	2	2	3	2	2	30/03/2022	EEE	3
233029	ME8792	3	3	3	3	2	3	30/03/2022	EEE	3
233030	ME8792	2	3	3	2	3	3	30/03/2022	EEE	3
233031	ME8792	2	3	3	2	2	2	30/03/2022	EEE	3
233032	ME8792	3	3	3	2	3	2	30/03/2022	EEE	3
233033	ME8792	3	2	3	3	3	3	30/03/2022	EEE	3
233034	ME8792	2	2	2	3	2	2	30/03/2022	EEE	3
233035	ME8792	2	3	2	3	3	3	30/03/2022	EEE	3
233036	ME8792	3	2	3	2	2	3	30/03/2022	EEE	3
233037	ME8792	2	2	2	3	2	3	30/03/2022	EEE	3
233038	ME8792	2	2	3	2	2	2	30/03/2022	EEE	3
233040	ME8792	2	3	3	3	2	2	30/03/2022	EEE	3
233041	ME8792	3	2	3	2	2	3	30/03/2022	EEE	3
233042	ME8792	3	3	2	3	2	2	30/03/2022	EEE	3
233043	ME8792	2	3	2	3	3	3	30/03/2022	EEE	3
233044	ME8792	3	3	2	2	2	3	30/03/2022	EEE	3
233045	ME8792	2	2	2	2	3	2	30/03/2022	EEE	3
233046	ME8792	3	2	3	2	2	3	30/03/2022	EEE	3
233047	ME8792	3	2	3	2	3	3	30/03/2022	EEE	3
233048	ME8792	2	3	2	2	3	2	30/03/2022	EEE	3
233049	ME8792	3	2	2	2	3	2	30/03/2022	EEE	3
233050	ME8792	3	2	3	3	2	3	30/03/2022	EEE	3
233051	ME8792	3	3	2	3	2	3	30/03/2022	EEE	3
233052	ME8792	3	2	3	2	3	2	30/03/2022	EEE	3
233053	ME8792	2	3	2	2	2	3	30/03/2022	EEE	3
233054	ME8792	3	2	2	2	2	3	30/03/2022	EEE	3
233055	ME8792	2	3	2	3	2	3	30/03/2022	EEE	3
233056	ME8792	3	3	3	3	2	3	30/03/2022	EEE	3
233058	ME8792	2	2	3	2	2	3	30/03/2022	EEE	3
233059	ME8792	2	2	3	2	2	2	30/03/2022	EEE	3
233060	ME8792	2	3	2	2	2	2	30/03/2022	EEE	3
233061	ME8792	2	2	2	3	3	2	30/03/2022	EEE	3
233062	ME8792	2	2	2	3	2	3	30/03/2022	EEE	3
233064	ME8792	3	2	3	2	2	2	30/03/2022	EEE	3
233065	ME8792	2	2	2	2	2	2	30/03/2022	EEE	3

233066	ME8792	2	3	3	3	2	2	30/03/2022	EEE	3
233068	ME8792	3	2	3	2	2	2	30/03/2022	EEE	3
233069	ME8792	3	3	2	2	2	2	30/03/2022	EEE	3
233070	ME8792	3	2	3	2	3	2	30/03/2022	EEE	3
233071	ME8792	2	2	3	2	2	3	30/03/2022	EEE	3
233072	ME8792	2	3	3	3	2	2	30/03/2022	EEE	3
233073	ME8792	2	3	3	2	3	3	30/03/2022	EEE	3
233074	ME8792	2	3	3	3	2	3	30/03/2022	EEE	3
Attained Level		2.46	2.44	2.59	2.51	2.37	2.51			
%		82.00	81.33	86.33	83.67	79.00	83.67			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8551** NBA Code : **C302** Title **MICROPROCESSORS AND MICROCONTROLLERS**
Faculty: Dr.M.Marimuthu / Dr.S.Vijayalakshmi

Cos	CO Description	Attained Level	%
C302.1	Explain about the architecture of 8085 microprocessor, pin configuration, interrupts and the timing diagram of 8085	2.56	85.33
C302.2	Develop the assembly language program using mnemonics and corresponding machine code based on architecture of 8085 microprocessor	2.47	82.33
C302.3	Define the 8051 microcontroller with its architecture, pin-outs, memory organization, interrupts and compare the programming concepts with 8085	2.44	81.33
C302.4	Illustrate the interfacing of 8085 with various peripheral devices for transmission, reception and control of data	2.53	84.33
C302.5	Make use of the data conversion technique such as ADC and DAC and to interface with 8085 processor and 8051 microcontroller	2.47	82.33
C302.6	Develop the microcontroller assembly language program for various real time applications	2.55	85.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 93

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
223001	EE8551	3	2	2	2	2	3	30/03/2022	EEE	5
223002	EE8551	3	2	3	2	3	2	30/03/2022	EEE	5
223004	EE8551	2	2	2	2	2	3	30/03/2022	EEE	5
223006	EE8551	3	3	3	3	2	2	30/03/2022	EEE	5
223007	EE8551	2	3	2	2	2	2	30/03/2022	EEE	5
223008	EE8551	2	3	2	3	2	2	30/03/2022	EEE	5
223009	EE8551	2	3	2	2	3	2	30/03/2022	EEE	5
223010	EE8551	2	3	3	2	2	3	30/03/2022	EEE	5
223011	EE8551	3	2	2	2	3	2	30/03/2022	EEE	5
223012	EE8551	2	2	2	2	3	3	30/03/2022	EEE	5
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223014	EE8551	2	3	2	2	2	3	30/03/2022	EEE	5
223015	EE8551	3	2	3	3	2	3	30/03/2022	EEE	5
223016	EE8551	3	2	2	2	2	2	30/03/2022	EEE	5
223017	EE8551	3	2	2	3	2	3	30/03/2022	EEE	5
223018	EE8551	2	3	3	3	2	2	30/03/2022	EEE	5
223019	EE8551	3	3	3	3	3	3	30/03/2022	EEE	5
223020	EE8551	3	3	3	3	3	2	30/03/2022	EEE	5

223021	EE8551	2	3	3	3	2	2	30/03/2022	EEE	5
223022	EE8551	3	3	2	2	2	3	30/03/2022	EEE	5
223023	EE8551	3	3	2	3	2	2	30/03/2022	EEE	5
223024	EE8551	2	2	3	2	2	3	30/03/2022	EEE	5
223025	EE8551	2	3	2	2	2	2	30/03/2022	EEE	5
223026	EE8551	2	2	2	3	3	2	30/03/2022	EEE	5
223027	EE8551	3	2	2	2	2	2	30/03/2022	EEE	5
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223043	EE8551	2	3	3	2	3	2	30/03/2022	EEE	5
223045	EE8551	3	2	2	3	2	2	30/03/2022	EEE	5
223046	EE8551	3	2	3	3	2	2	30/03/2022	EEE	5
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223052	EE8551	2	3	3	2	2	3	30/03/2022	EEE	5
223053	EE8551	2	2	3	2	3	3	30/03/2022	EEE	5
223054	EE8551	3	2	2	3	2	3	30/03/2022	EEE	5
223055	EE8551	2	2	2	3	3	2	30/03/2022	EEE	5
223056	EE8551	3	2	2	3	3	3	30/03/2022	EEE	5
223057	EE8551	2	2	2	2	3	2	30/03/2022	EEE	5
223058	EE8551	2	2	2	2	2	2	30/03/2022	EEE	5
223059	EE8551	3	2	3	2	3	2	30/03/2022	EEE	5
223060	EE8551	3	2	2	3	3	2	30/03/2022	EEE	5
223061	EE8551	2	2	2	3	2	2	30/03/2022	EEE	5
223063	EE8551	3	2	3	3	2	2	30/03/2022	EEE	5
223064	EE8551	3	2	3	3	3	3	30/03/2022	EEE	5
223065	EE8551	3	3	2	3	2	2	30/03/2022	EEE	5

223066	EE8551	3	2	3	3	2	3	30/03/2022	EEE	5
223067	EE8551	3	3	2	2	3	2	30/03/2022	EEE	5
223068	EE8551	3	3	3	3	3	3	30/03/2022	EEE	5
223069	EE8551	3	3	2	2	2	2	30/03/2022	EEE	5
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223071	EE8551	2	3	3	3	2	3	30/03/2022	EEE	5
223072	EE8551	3	3	2	3	2	3	30/03/2022	EEE	5
223073	EE8551	3	2	2	2	3	3	30/03/2022	EEE	5
223074	EE8551	2	3	3	3	3	3	30/03/2022	EEE	5
223075	EE8551	2	3	2	2	2	3	30/03/2022	EEE	5
223076	EE8551	2	2	2	3	2	3	30/03/2022	EEE	5
223077	EE8551	2	3	2	3	3	2	30/03/2022	EEE	5
223078	EE8551	3	3	2	3	2	3	30/03/2022	EEE	5
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223080	EE8551	2	3	2	3	2	2	30/03/2022	EEE	5
223081	EE8551	2	2	3	2	3	2	30/03/2022	EEE	5
223082	EE8551	3	3	3	2	3	2	30/03/2022	EEE	5
223083	EE8551	2	2	3	3	3	2	30/03/2022	EEE	5
223084	EE8551	2	2	2	2	2	2	30/03/2022	EEE	5
223085	EE8551	2	2	2	3	3	3	30/03/2022	EEE	5
223086	EE8551	3	2	3	2	3	3	30/03/2022	EEE	5
223087	EE8551	3	3	2	2	3	2	30/03/2022	EEE	5
223088	EE8551	3	2	2	3	2	3	30/03/2022	EEE	5
223089	EE8551	3	3	3	3	2	3	30/03/2022	EEE	5
223090	EE8551	3	2	2	3	3	3	30/03/2022	EEE	5
223091	EE8551	2	3	3	3	3	3	30/03/2022	EEE	5
223092	EE8551	3	3	3	3	3	3	30/03/2022	EEE	5
223093	EE8551	3	3	3	2	2	3	30/03/2022	EEE	5
223094	EE8551	3	3	3	3	2	3	30/03/2022	EEE	5
223095	EE8551	3	2	2	2	3	3	30/03/2022	EEE	5
223096	EE8551	2	2	2	3	3	3	30/03/2022	EEE	5
223097	EE8551	3	2	2	3	3	2	30/03/2022	EEE	5
223098	EE8551	2	2	2	3	3	3	30/03/2022	EEE	5
Attained Level		2.56	2.47	2.44	2.53	2.47	2.55			
%		85.33	82.33	81.33	84.33	82.33	85.00			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8552** NBA Code : **C303** Title **POWER ELECTRONICS**
Faculty: Mr.R.Balasubramanian / Mr.S.Ramprasath

Cos	CO Description	Attained Level	%
C303.1	Achieve clear understanding by the students on the characteristics of different power electronic switching devices SCR, TRIAC, GTO, BJT, MOSFET, IGBT, and IGCT along with its driver and protection snubber circuits	2.46	82.00
C303.2	Understand the operation and characteristics of different phase controlled rectifiers and its performance parameters	2.6	86.67
C303.3	Achieve Knowledge on different firing schemes for converter, understanding of working of dual converters and it characteristics and to develop application knowledge on implementing phase controlled converters	2.52	84.00
C303.4	Analysis and study of different DC-DC converters, its design, control strategies and its applications in real time.	2.68	89.33
C303.5	Acquire knowledge in design and analysis of single and three phase inverters, it control schemes, and its applications in real time	2.46	82.00
C303.6	Develop the microcontroller assembly language program for various real time applications	2.49	83.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 93

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
223001	EE8552	3	2	3	3	3	2	30/03/2022	EEE	5
223002	EE8552	3	3	2	3	3	3	30/03/2022	EEE	5
223004	EE8552	2	3	2	3	2	2	30/03/2022	EEE	5
223006	EE8552	2	3	3	3	3	2	30/03/2022	EEE	5
223007	EE8552	3	3	3	2	3	2	30/03/2022	EEE	5
223008	EE8552	2	2	3	2	3	3	30/03/2022	EEE	5
223009	EE8552	2	3	3	3	2	2	30/03/2022	EEE	5
223010	EE8552	2	3	3	3	2	3	30/03/2022	EEE	5
223011	EE8552	3	3	2	3	2	2	30/03/2022	EEE	5
223012	EE8552	2	2	2	2	2	3	30/03/2022	EEE	5
223013	EE8552	2	2	3	2	2	2	30/03/2022	EEE	5
223014	EE8552	3	3	2	2	3	3	30/03/2022	EEE	5
223015	EE8552	3	2	3	3	3	2	30/03/2022	EEE	5
223016	EE8552	2	3	3	3	2	3	30/03/2022	EEE	5
223017	EE8552	2	3	2	3	3	3	30/03/2022	EEE	5
223018	EE8552	2	3	3	3	2	3	30/03/2022	EEE	5
223019	EE8552	3	3	2	2	3	2	30/03/2022	EEE	5
223020	EE8552	3	3	3	2	2	2	30/03/2022	EEE	5

223021	EE8552	2	2	2	2	3	3	30/03/2022	EEE	5
223022	EE8552	3	3	2	3	3	2	30/03/2022	EEE	5
223023	EE8552	2	2	3	2	2	3	30/03/2022	EEE	5
223024	EE8552	3	3	3	3	3	2	30/03/2022	EEE	5
223025	EE8552	2	3	2	3	2	3	30/03/2022	EEE	5
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223027	EE8552	3	2	2	3	3	3	30/03/2022	EEE	5
223028	EE8552	2	3	3	3	3	2	30/03/2022	EEE	5
223029	EE8552	3	3	3	3	2	3	30/03/2022	EEE	5
223030	EE8552	3	3	2	2	2	2	30/03/2022	EEE	5
223031	EE8552	2	3	2	2	2	2	30/03/2022	EEE	5
223032	EE8552	3	3	3	3	2	3	30/03/2022	EEE	5
223033	EE8552	2	2	2	2	2	3	30/03/2022	EEE	5
223034	EE8552	2	3	3	3	3	2	30/03/2022	EEE	5
223035	EE8552	2	3	2	3	3	3	30/03/2022	EEE	5
223036	EE8552	2	3	3	3	3	3	30/03/2022	EEE	5
223037	EE8552	2	2	2	2	2	3	30/03/2022	EEE	5
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223040	EE8552	3	2	3	3	2	3	30/03/2022	EEE	5
223041	EE8552	2	3	2	3	3	2	30/03/2022	EEE	5
223042	EE8552	2	2	3	3	2	3	30/03/2022	EEE	5
223043	EE8552	3	3	2	3	3	3	30/03/2022	EEE	5
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223057	EE8552	2	2	2	3	3	3	30/03/2022	EEE	5
223058	EE8552	2	3	3	2	2	3	30/03/2022	EEE	5
223059	EE8552	2	3	2	3	3	3	30/03/2022	EEE	5
223060	EE8552	2	3	3	3	3	3	30/03/2022	EEE	5
223061	EE8552	2	2	3	2	3	2	30/03/2022	EEE	5
223063	EE8552	2	2	2	3	2	2	30/03/2022	EEE	5
223064	EE8552	2	3	3	3	3	3	30/03/2022	EEE	5

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223067	EE8552	3	2	2	3	2	2	30/03/2022	EEE	5
223068	EE8552	2	3	3	3	2	3	30/03/2022	EEE	5
223069	EE8552	2	3	2	3	2	3	30/03/2022	EEE	5
223070	EE8552	3	2	3	2	2	2	30/03/2022	EEE	5
223071	EE8552	3	3	2	3	2	2	30/03/2022	EEE	5
223072	EE8552	2	3	3	3	3	3	30/03/2022	EEE	5
223073	EE8552	3	3	2	3	2	3	30/03/2022	EEE	5
223074	EE8552	2	3	3	3	2	2	30/03/2022	EEE	5
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223081	EE8552	2	2	2	3	2	3	30/03/2022	EEE	5
223082	EE8552	3	2	3	3	3	2	30/03/2022	EEE	5
223083	EE8552	3	3	3	2	3	3	30/03/2022	EEE	5
223084	EE8552	3	2	2	3	2	2	30/03/2022	EEE	5
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223092	EE8552	3	2	3	3	2	2	30/03/2022	EEE	5
223093	EE8552	3	3	2	3	2	2	30/03/2022	EEE	5
223094	EE8552	2	3	3	2	2	3	30/03/2022	EEE	5
223095	EE8552	2	2	2	3	3	3	30/03/2022	EEE	5
223096	EE8552	3	2	2	3	3	2	30/03/2022	EEE	5
223097	EE8552	3	3	2	3	3	2	30/03/2022	EEE	5
223098	EE8552	3	3	3	3	3	3	30/03/2022	EEE	5
Attained Level		2.46	2.6	2.52	2.68	2.46	2.49			
%		82.00	86.67	84.00	89.33	82.00	83.00			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8591** NBA Code : **C304** Title **DIGITAL SIGNAL PROCESSING**
Faculty: Dr.P.Ram Prakash / Mr.R.Sridhar

Cos	CO Description	Attained Level	%
C304.1	Classify the different types of signals and systems and Explain the sampling process of continuous time signal.	2.55	85.00
C304.2	Apply z-transform and inverse Z transform and analyze discrete time systems.	2.51	83.67
C304.3	Apply Radix-2 Decimation in Time (DIT) and Decimation in Frequency (DIF) FFT Algorithm to Compute Discrete Fourier Transform.	2.47	82.33
C304.4	Explain different types of Infinite Impulse Response (IIR) filters and Finite Impulse Response (FIR) filters	2.48	82.67
C304.5	Explain the digital design using impulse invariant and bilinear transformation	2.47	82.33
C304.6	Explain various architectures of Digital signal processors.	2.4	80.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 93

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
223001	EE8591	2	3	2	3	2	3	30/03/2022	EEE	5
223002	EE8591	3	3	3	3	2	3	30/03/2022	EEE	5
223004	EE8591	2	3	3	2	3	2	30/03/2022	EEE	5
223006	EE8591	3	2	2	2	3	3	30/03/2022	EEE	5
223007	EE8591	2	2	3	2	2	3	30/03/2022	EEE	5
223008	EE8591	2	3	2	2	3	3	30/03/2022	EEE	5
223009	EE8591	2	3	3	3	2	2	30/03/2022	EEE	5
223010	EE8591	2	2	3	3	2	2	30/03/2022	EEE	5
223011	EE8591	2	2	2	2	2	2	30/03/2022	EEE	5
223012	EE8591	3	3	2	3	3	3	30/03/2022	EEE	5
223013	EE8591	3	3	3	2	3	3	30/03/2022	EEE	5
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223015	EE8591	3	3	2	3	3	2	30/03/2022	EEE	5
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223017	EE8591	3	2	3	2	3	3	30/03/2022	EEE	5
223018	EE8591	2	2	3	2	3	3	30/03/2022	EEE	5
223019	EE8591	2	2	2	3	2	2	30/03/2022	EEE	5
223020	EE8591	3	3	2	3	3	3	30/03/2022	EEE	5
223021	EE8591	3	3	3	3	3	2	30/03/2022	EEE	5
223022	EE8591	3	3	2	2	3	3	30/03/2022	EEE	5
223023	EE8591	3	2	3	2	3	2	30/03/2022	EEE	5

223024	EE8591	2	3	2	2	2	2	30/03/2022	EEE	5
223025	EE8591	2	3	3	2	2	3	30/03/2022	EEE	5
223026	EE8591	2	2	2	3	3	2	30/03/2022	EEE	5
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223034	EE8591	2	3	3	2	3	3	30/03/2022	EEE	5
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223054	EE8591	3	3	3	2	2	3	30/03/2022	EEE	5
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223066	EE8591	3	2	2	2	2	2	30/03/2022	EEE	5
223067	EE8591	3	2	3	2	3	2	30/03/2022	EEE	5
223068	EE8591	3	2	2	2	2	2	30/03/2022	EEE	5

223069	EE8591	3	2	2	3	2	2	30/03/2022	EEE	5
223070	EE8591	2	3	2	2	2	3	30/03/2022	EEE	5
223071	EE8591	3	2	3	3	2	3	30/03/2022	EEE	5
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223088	EE8591	3	2	3	2	3	2	30/03/2022	EEE	5
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223095	EE8591	2	3	3	2	3	2	30/03/2022	EEE	5
223096	EE8591	2	3	2	2	2	2	30/03/2022	EEE	5
223097	EE8591	3	3	2	3	3	3	30/03/2022	EEE	5
223098	EE8591	3	2	2	2	3	2	30/03/2022	EEE	5
Attained Level		2.55	2.51	2.47	2.48	2.47	2.4			
%		85.00	83.67	82.33	82.67	82.33	80.00			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (EEE)**
Subject Code : **CS8392** NBA Code : **C305** Title **OBJECT ORIENTED PROGRAMMING**
Faculty: Mr.D.Boobala Muralitharan / Mr.D.Boobala Muralitharan

Cos	CO Description	Attained Level	%
C305.1	Learn the Architecture of Java Environment and understand the role of JVM and JRE	2.43	81.00
C305.2	To understand Object Oriented Programming concepts and basic characteristics of Java	2.41	80.33
C305.3	To know the principles of packages, inheritance and interfaces	2.53	84.33
C305.4	To define exceptions and use I/O streams	2.48	82.67
C305.5	To develop a java application with threads and generics classes	2.57	85.67
C305.6	To design and build simple Graphical User Interfaces	2.49	83.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 93

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
223001	CS8392	3	3	3	2	2	2	30/03/2022	EEE	5
223002	CS8392	3	3	3	2	3	3	30/03/2022	EEE	5
223004	CS8392	2	2	3	2	2	2	30/03/2022	EEE	5
223006	CS8392	3	3	3	2	3	2	30/03/2022	EEE	5
223007	CS8392	2	2	3	2	2	3	30/03/2022	EEE	5
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223009	CS8392	3	2	3	2	2	2	30/03/2022	EEE	5
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223011	CS8392	3	3	3	2	3	3	30/03/2022	EEE	5
223012	CS8392	3	2	2	3	2	3	30/03/2022	EEE	5
223013	CS8392	3	3	3	2	3	2	30/03/2022	EEE	5
223014	CS8392	3	2	3	2	3	3	30/03/2022	EEE	5
223015	CS8392	3	2	2	2	2	3	30/03/2022	EEE	5
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223017	CS8392	2	2	3	3	2	3	30/03/2022	EEE	5
223018	CS8392	2	3	2	2	2	2	30/03/2022	EEE	5
223019	CS8392	2	2	3	3	3	2	30/03/2022	EEE	5
223020	CS8392	2	2	2	2	3	2	30/03/2022	EEE	5
223021	CS8392	2	2	3	2	3	3	30/03/2022	EEE	5
223022	CS8392	3	3	2	3	3	2	30/03/2022	EEE	5
223023	CS8392	3	3	3	3	3	3	30/03/2022	EEE	5
223024	CS8392	2	3	2	3	3	2	30/03/2022	EEE	5

223025	CS8392	3	3	3	2	3	2	30/03/2022	EEE	5
223026	CS8392	2	2	3	3	2	2	30/03/2022	EEE	5
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223030	CS8392	2	3	2	3	3	3	30/03/2022	EEE	5
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223032	CS8392	2	2	3	2	2	2	30/03/2022	EEE	5
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223035	CS8392	2	3	2	3	3	3	30/03/2022	EEE	5
223036	CS8392	3	2	3	2	3	2	30/03/2022	EEE	5
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223040	CS8392	2	2	2	2	2	3	30/03/2022	EEE	5
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223042	CS8392	3	2	2	2	3	3	30/03/2022	EEE	5
223043	CS8392	2	2	2	3	3	3	30/03/2022	EEE	5
223045	CS8392	2	3	2	2	3	2	30/03/2022	EEE	5
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223051	CS8392	3	2	3	2	2	2	30/03/2022	EEE	5
223052	CS8392	2	2	2	2	3	3	30/03/2022	EEE	5
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223067	CS8392	2	2	2	3	3	2	30/03/2022	EEE	5
223068	CS8392	2	2	3	2	3	3	30/03/2022	EEE	5
223069	CS8392	2	3	2	2	2	2	30/03/2022	EEE	5

223070	CS8392	3	3	2	3	3	2	30/03/2022	EEE	5
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223089	CS8392	2	3	3	2	3	3	30/03/2022	EEE	5
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223091	CS8392	3	2	3	3	2	3	30/03/2022	EEE	5
223092	CS8392	2	2	2	3	2	3	30/03/2022	EEE	5
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223094	CS8392	2	3	2	3	2	3	30/03/2022	EEE	5
223095	CS8392	3	2	3	3	2	2	30/03/2022	EEE	5
223096	CS8392	2	3	2	3	2	2	30/03/2022	EEE	5
223097	CS8392	3	2	3	3	2	2	30/03/2022	EEE	5
223098	CS8392	2	3	3	2	3	2	30/03/2022	EEE	5
Attained Level		2.43	2.41	2.53	2.48	2.57	2.49			
%		81.00	80.33	84.33	82.67	85.67	83.00			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **5** Programme: **B.E/B.Tech (EEE)**
Subject Code : **OMD551** NBA Code : **C306** Title **BASICS OF BIOMEDICAL INSTRUMENTATION**
Faculty: Mr.R.Venugopal / Mr.B.Paranthagan

Cos	CO Description	Attained Level	%
C306.1	To Learn the different bio potential and its propagation	2.59	86.33
C306.2	To get Familiarize the different electrode placement for various physiological recording	2.49	83.00
C306.3	Students will be able design bio amplifier for various physiological recording	2.47	82.33
C306.4	Students will understand various technique non electrical physiological measurements	2.46	82.00
C306.5	Students will understand various Biosignal characteristics and electrode configurations	2.48	82.67
C306.6	Understand the different biochemical measurements	2.54	84.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 93

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
223001	OMD551	3	2	3	3	2	2	30/03/2022	EEE	5
223002	OMD551	2	3	3	3	2	2	30/03/2022	EEE	5
223004	OMD551	3	2	2	2	2	3	30/03/2022	EEE	5
223006	OMD551	2	2	2	3	2	2	30/03/2022	EEE	5
223007	OMD551	2	2	2	3	3	3	30/03/2022	EEE	5
223008	OMD551	2	3	3	2	2	2	30/03/2022	EEE	5
223009	OMD551	2	2	2	3	2	3	30/03/2022	EEE	5
223010	OMD551	3	3	3	2	3	3	30/03/2022	EEE	5
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223015	OMD551	3	2	3	2	2	3	30/03/2022	EEE	5
223016	OMD551	2	3	2	2	3	3	30/03/2022	EEE	5
223017	OMD551	3	3	3	2	3	3	30/03/2022	EEE	5
223018	OMD551	2	2	2	2	3	2	30/03/2022	EEE	5
223019	OMD551	2	3	2	2	3	2	30/03/2022	EEE	5
223020	OMD551	2	3	2	3	2	3	30/03/2022	EEE	5
223021	OMD551	2	3	3	3	2	3	30/03/2022	EEE	5
223022	OMD551	3	3	2	3	2	3	30/03/2022	EEE	5

223023	OMD551	2	2	2	3	3	3	30/03/2022	EEE	5
223024	OMD551	2	3	3	2	2	3	30/03/2022	EEE	5
223025	OMD551	2	2	2	2	2	3	30/03/2022	EEE	5
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223029	OMD551	3	3	3	3	3	3	30/03/2022	EEE	5
223030	OMD551	3	2	3	3	2	3	30/03/2022	EEE	5
223031	OMD551	3	2	2	2	2	2	30/03/2022	EEE	5
223032	OMD551	3	3	2	2	2	2	30/03/2022	EEE	5
223033	OMD551	3	2	2	2	3	3	30/03/2022	EEE	5
223034	OMD551	3	3	3	2	2	2	30/03/2022	EEE	5
223035	OMD551	2	3	3	2	2	3	30/03/2022	EEE	5
223036	OMD551	3	2	2	2	3	3	30/03/2022	EEE	5
223037	OMD551	2	2	2	3	3	3	30/03/2022	EEE	5
223038	OMD551	3	3	3	3	2	3	30/03/2022	EEE	5
223040	OMD551	2	2	2	3	2	2	30/03/2022	EEE	5
223041	OMD551	3	2	3	3	2	2	30/03/2022	EEE	5
223042	OMD551	2	2	3	2	2	3	30/03/2022	EEE	5
223043	OMD551	2	2	2	2	2	2	30/03/2022	EEE	5
223045	OMD551	3	2	3	3	3	2	30/03/2022	EEE	5
223046	OMD551	3	3	3	3	2	2	30/03/2022	EEE	5
223047	OMD551	3	3	3	2	3	3	30/03/2022	EEE	5
223048	OMD551	2	2	2	3	3	3	30/03/2022	EEE	5
223049	OMD551	3	2	3	3	2	3	30/03/2022	EEE	5
223050	OMD551	3	3	3	3	3	2	30/03/2022	EEE	5
223051	OMD551	3	3	2	2	2	2	30/03/2022	EEE	5
223052	OMD551	3	3	2	2	3	2	30/03/2022	EEE	5
223053	OMD551	2	3	3	2	2	3	30/03/2022	EEE	5
223054	OMD551	3	3	2	2	2	2	30/03/2022	EEE	5
223055	OMD551	3	3	3	2	3	2	30/03/2022	EEE	5
223056	OMD551	2	2	3	3	3	3	30/03/2022	EEE	5
223057	OMD551	3	3	3	2	2	3	30/03/2022	EEE	5
223058	OMD551	3	3	3	3	3	2	30/03/2022	EEE	5
223059	OMD551	3	2	3	3	2	2	30/03/2022	EEE	5
223060	OMD551	2	3	2	3	3	3	30/03/2022	EEE	5
223061	OMD551	3	2	2	2	2	3	30/03/2022	EEE	5
223063	OMD551	2	3	3	3	2	3	30/03/2022	EEE	5
223064	OMD551	3	2	3	2	3	2	30/03/2022	EEE	5
223065	OMD551	2	2	3	3	2	3	30/03/2022	EEE	5
223066	OMD551	3	2	2	2	3	3	30/03/2022	EEE	5
223067	OMD551	2	2	3	2	3	2	30/03/2022	EEE	5

223068	OMD551	2	2	2	3	2	2	30/03/2022	EEE	5
223069	OMD551	2	2	2	2	3	3	30/03/2022	EEE	5
223070	OMD551	3	3	2	3	3	3	30/03/2022	EEE	5
223071	OMD551	3	2	2	2	2	2	30/03/2022	EEE	5
223072	OMD551	3	3	3	2	3	3	30/03/2022	EEE	5
223073	OMD551	3	3	2	2	3	3	30/03/2022	EEE	5
223074	OMD551	2	2	2	3	3	2	30/03/2022	EEE	5
223075	OMD551	2	3	2	2	3	3	30/03/2022	EEE	5
223076	OMD551	3	2	2	2	2	2	30/03/2022	EEE	5
223077	OMD551	2	3	3	2	2	3	30/03/2022	EEE	5
223078	OMD551	3	3	3	2	2	3	30/03/2022	EEE	5
223079	OMD551	3	2	2	2	2	3	30/03/2022	EEE	5
223080	OMD551	3	2	3	3	3	2	30/03/2022	EEE	5
223081	OMD551	3	3	3	2	3	2	30/03/2022	EEE	5
223082	OMD551	3	3	3	3	2	2	30/03/2022	EEE	5
223083	OMD551	3	2	2	2	2	2	30/03/2022	EEE	5
223084	OMD551	3	2	2	2	3	2	30/03/2022	EEE	5
223085	OMD551	3	3	2	3	3	2	30/03/2022	EEE	5
223086	OMD551	2	3	3	2	2	3	30/03/2022	EEE	5
223087	OMD551	2	3	3	3	2	3	30/03/2022	EEE	5
223088	OMD551	3	2	3	3	2	3	30/03/2022	EEE	5
223089	OMD551	2	3	2	3	3	2	30/03/2022	EEE	5
223090	OMD551	3	2	2	3	3	2	30/03/2022	EEE	5
223091	OMD551	2	2	3	2	2	3	30/03/2022	EEE	5
223092	OMD551	3	3	2	2	3	3	30/03/2022	EEE	5
223093	OMD551	3	3	3	3	3	2	30/03/2022	EEE	5
223094	OMD551	2	3	2	2	3	2	30/03/2022	EEE	5
223095	OMD551	2	3	3	2	2	3	30/03/2022	EEE	5
223096	OMD551	3	3	2	3	3	3	30/03/2022	EEE	5
223097	OMD551	3	2	3	3	2	2	30/03/2022	EEE	5
223098	OMD551	3	2	2	2	2	3	30/03/2022	EEE	5
Attained Level		2.59	2.49	2.47	2.46	2.48	2.54			
%		86.33	83.00	82.33	82.00	82.67	84.67			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8701** NBA Code : **C401** Title **HIGH VOLTAGE ENGINEERING**
Faculty: Dr.K.Rajkumar / Dr.R.Vijay

Cos	CO Description	Attained Level	%
401.1	Ability to understand the various types of over voltages in power system and protection methods	2.39	79.67
401.2	Ability to explain the breakdown mechanisms in different types of dielectrics	2.44	81.33
401.3	Ability to understand the methods of generation of high voltages and high currents	2.44	81.33
401.4	Ability to discuss the various high voltage measurement techniques	2.46	82.00
401.5	Ability to understand High voltage testing	2.47	82.33
401.6	Ability to test power apparatus and insulation coordination	2.53	84.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 111

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
213002	EE8701	2	2	2	2	2	3	30/03/2022	EEE	7
213003	EE8701	2	3	3	2	2	2	30/03/2022	EEE	7
213004	EE8701	2	2	3	3	3	3	30/03/2022	EEE	7
213005	EE8701	3	3	3	2	3	2	30/03/2022	EEE	7
213006	EE8701	2	3	2	3	2	3	30/03/2022	EEE	7
213007	EE8701	3	2	3	3	2	3	30/03/2022	EEE	7
213008	EE8701	3	3	3	2	3	2	30/03/2022	EEE	7
213009	EE8701	2	3	2	3	3	3	30/03/2022	EEE	7
213010	EE8701	2	3	3	2	2	2	30/03/2022	EEE	7
213011	EE8701	3	3	2	2	3	3	30/03/2022	EEE	7
213012	EE8701	2	3	3	3	3	2	30/03/2022	EEE	7
213013	EE8701	3	3	2	3	2	3	30/03/2022	EEE	7
213014	EE8701	2	2	3	2	2	2	30/03/2022	EEE	7
213015	EE8701	3	2	3	2	2	3	30/03/2022	EEE	7
213016	EE8701	3	2	2	3	3	2	30/03/2022	EEE	7
213018	EE8701	3	2	3	3	2	3	30/03/2022	EEE	7
213019	EE8701	3	2	3	3	3	3	30/03/2022	EEE	7
213020	EE8701	2	2	3	3	3	2	30/03/2022	EEE	7
213021	EE8701	2	2	2	3	3	3	30/03/2022	EEE	7
213022	EE8701	2	2	2	3	2	3	30/03/2022	EEE	7
213023	EE8701	3	3	2	3	3	2	30/03/2022	EEE	7
213024	EE8701	2	3	2	2	3	3	30/03/2022	EEE	7

213025	EE8701	2	3	3	2	3	3	30/03/2022	EEE	7
213026	EE8701	3	2	3	2	2	3	30/03/2022	EEE	7
213027	EE8701	3	2	2	3	3	2	30/03/2022	EEE	7
213028	EE8701	2	2	3	3	2	2	30/03/2022	EEE	7
213029	EE8701	2	2	2	2	3	2	30/03/2022	EEE	7
213030	EE8701	2	2	2	2	3	3	30/03/2022	EEE	7
213031	EE8701	3	2	2	2	2	2	30/03/2022	EEE	7
213032	EE8701	2	2	2	2	2	2	30/03/2022	EEE	7
213033	EE8701	2	3	3	3	2	2	30/03/2022	EEE	7
213034	EE8701	3	3	2	2	3	3	30/03/2022	EEE	7
213035	EE8701	2	2	3	2	2	3	30/03/2022	EEE	7
213036	EE8701	2	3	3	2	3	3	30/03/2022	EEE	7
213037	EE8701	3	3	2	3	2	2	30/03/2022	EEE	7
213038	EE8701	3	2	3	2	3	2	30/03/2022	EEE	7
213039	EE8701	2	2	2	3	3	3	30/03/2022	EEE	7
213040	EE8701	2	3	3	3	2	2	30/03/2022	EEE	7
213041	EE8701	3	2	2	2	2	2	30/03/2022	EEE	7
213042	EE8701	3	2	2	3	2	3	30/03/2022	EEE	7
213043	EE8701	2	2	2	2	3	2	30/03/2022	EEE	7
213044	EE8701	3	2	2	3	3	3	30/03/2022	EEE	7
213045	EE8701	2	2	3	3	3	2	30/03/2022	EEE	7
213046	EE8701	2	3	3	2	2	3	30/03/2022	EEE	7
213047	EE8701	2	2	2	2	2	2	30/03/2022	EEE	7
213048	EE8701	2	3	3	2	2	2	30/03/2022	EEE	7
213049	EE8701	3	2	2	2	3	2	30/03/2022	EEE	7
213050	EE8701	2	2	2	3	3	2	30/03/2022	EEE	7
213051	EE8701	2	3	3	2	2	3	30/03/2022	EEE	7
213052	EE8701	3	3	3	3	3	3	30/03/2022	EEE	7
213053	EE8701	2	2	2	2	2	2	30/03/2022	EEE	7
213054	EE8701	2	2	2	3	3	3	30/03/2022	EEE	7
213055	EE8701	2	2	3	3	2	3	30/03/2022	EEE	7
213056	EE8701	2	2	2	2	2	2	30/03/2022	EEE	7
213057	EE8701	2	2	2	3	2	3	30/03/2022	EEE	7
213058	EE8701	2	3	2	3	2	2	30/03/2022	EEE	7
213059	EE8701	2	3	3	2	3	3	30/03/2022	EEE	7
213060	EE8701	2	3	2	2	2	2	30/03/2022	EEE	7
213061	EE8701	2	2	2	3	2	3	30/03/2022	EEE	7
213063	EE8701	3	2	3	3	2	3	30/03/2022	EEE	7
213065	EE8701	2	3	2	3	3	3	30/03/2022	EEE	7
213066	EE8701	2	2	3	3	2	3	30/03/2022	EEE	7
213067	EE8701	2	3	3	3	3	2	30/03/2022	EEE	7
213068	EE8701	3	3	2	3	2	3	30/03/2022	EEE	7

213069	EE8701	3	3	2	2	3	2	30/03/2022	EEE	7
213070	EE8701	2	3	2	2	2	2	30/03/2022	EEE	7
213071	EE8701	2	2	2	2	2	3	30/03/2022	EEE	7
213072	EE8701	2	3	3	2	2	3	30/03/2022	EEE	7
213073	EE8701	2	2	2	2	3	3	30/03/2022	EEE	7
213074	EE8701	2	2	2	3	3	2	30/03/2022	EEE	7
213075	EE8701	3	2	3	2	2	2	30/03/2022	EEE	7
213076	EE8701	2	3	3	3	2	3	30/03/2022	EEE	7
213077	EE8701	3	3	3	3	3	3	30/03/2022	EEE	7
213078	EE8701	2	3	2	2	2	2	30/03/2022	EEE	7
213079	EE8701	3	2	3	3	3	2	30/03/2022	EEE	7
213080	EE8701	2	2	2	3	3	2	30/03/2022	EEE	7
213082	EE8701	2	3	2	3	3	3	30/03/2022	EEE	7
213083	EE8701	2	3	2	2	3	3	30/03/2022	EEE	7
213084	EE8701	2	2	3	2	3	3	30/03/2022	EEE	7
213085	EE8701	3	2	2	2	2	2	30/03/2022	EEE	7
213086	EE8701	3	3	2	2	2	3	30/03/2022	EEE	7
213087	EE8701	2	2	3	2	3	2	30/03/2022	EEE	7
213088	EE8701	3	3	3	3	3	3	30/03/2022	EEE	7
213089	EE8701	2	2	3	2	2	3	30/03/2022	EEE	7
213090	EE8701	2	2	2	3	2	2	30/03/2022	EEE	7
213092	EE8701	2	3	3	2	3	3	30/03/2022	EEE	7
213093	EE8701	3	2	2	3	2	2	30/03/2022	EEE	7
213094	EE8701	3	2	2	2	3	3	30/03/2022	EEE	7
213095	EE8701	2	3	2	2	2	2	30/03/2022	EEE	7
213096	EE8701	3	2	2	2	2	3	30/03/2022	EEE	7
213097	EE8701	3	3	2	2	3	3	30/03/2022	EEE	7
213098	EE8701	2	2	2	3	2	2	30/03/2022	EEE	7
213099	EE8701	3	2	2	2	2	2	30/03/2022	EEE	7
213100	EE8701	2	3	2	3	2	3	30/03/2022	EEE	7
213101	EE8701	3	2	3	2	3	2	30/03/2022	EEE	7
213102	EE8701	3	3	2	3	3	2	30/03/2022	EEE	7
213103	EE8701	3	2	2	2	2	2	30/03/2022	EEE	7
213104	EE8701	2	2	2	3	2	3	30/03/2022	EEE	7
213105	EE8701	3	2	3	3	2	2	30/03/2022	EEE	7
213106	EE8701	2	3	3	2	2	3	30/03/2022	EEE	7
213107	EE8701	3	3	3	2	2	2	30/03/2022	EEE	7
213108	EE8701	2	3	2	3	3	3	30/03/2022	EEE	7
213109	EE8701	2	2	3	3	2	2	30/03/2022	EEE	7
213110	EE8701	2	2	2	2	3	3	30/03/2022	EEE	7
213111	EE8701	2	3	2	2	3	2	30/03/2022	EEE	7

213112	EE8701	3	3	3	2	3	3	30/03/2022	EEE	7
213113	EE8701	2	2	3	3	2	3	30/03/2022	EEE	7
213114	EE8701	3	3	2	2	3	3	30/03/2022	EEE	7
213115	EE8701	2	3	3	2	2	2	30/03/2022	EEE	7
213116	EE8701	3	2	3	2	3	3	30/03/2022	EEE	7
213118	EE8701	2	2	2	2	2	3	30/03/2022	EEE	7
Attained Level		2.39	2.44	2.44	2.46	2.47	2.53			
%		79.67	81.33	81.33	82.00	82.33	84.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8702** NBA Code : **C402** Title **POWER SYSTEM OPERATION AND CONTROL**
Faculty: Dr.M.V.Suganyadevi / Mr.R.Satheesh

Cos	CO Description	Attained Level	%
C402.1	Analyze the various load characteristics with load curve and load duration curve	2.58	86.00
C402.2	Describe modeling of power-frequency dynamics and design power-frequency controller	2.5	83.33
C402.3	Explain the modeling of reactive power-voltage interaction and the control actions	2.41	80.33
C402.4	Solve economic dispatch problems and unit commitments problems in power systems	2.52	84.00
C402.5	Explain the need of computer controls to energy management	2.46	82.00
C402.6	Illustrate about SCADA and its application for real time operation and control of power systems	2.51	83.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 111

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
213002	EE8702	2	3	3	3	2	2	30/03/2022	EEE	7
213003	EE8702	3	3	2	2	3	3	30/03/2022	EEE	7
213004	EE8702	2	3	2	2	2	2	30/03/2022	EEE	7
213005	EE8702	3	3	2	2	3	2	30/03/2022	EEE	7
213006	EE8702	2	3	2	3	2	2	30/03/2022	EEE	7
213007	EE8702	3	3	3	3	3	3	30/03/2022	EEE	7
213008	EE8702	3	2	3	3	3	2	30/03/2022	EEE	7
213009	EE8702	3	2	2	2	2	2	30/03/2022	EEE	7
213010	EE8702	3	2	3	3	3	3	30/03/2022	EEE	7
213011	EE8702	3	2	3	2	3	2	30/03/2022	EEE	7
213012	EE8702	2	3	2	3	2	3	30/03/2022	EEE	7
213013	EE8702	3	2	2	3	3	2	30/03/2022	EEE	7
213014	EE8702	3	2	2	3	2	2	30/03/2022	EEE	7
213015	EE8702	2	3	3	2	2	3	30/03/2022	EEE	7
213016	EE8702	3	2	3	2	3	3	30/03/2022	EEE	7
213018	EE8702	2	2	2	3	2	2	30/03/2022	EEE	7
213019	EE8702	2	2	2	3	3	2	30/03/2022	EEE	7
213020	EE8702	3	2	2	3	2	3	30/03/2022	EEE	7
213021	EE8702	2	2	2	3	2	2	30/03/2022	EEE	7
213022	EE8702	2	2	2	2	2	2	30/03/2022	EEE	7

213023	EE8702	3	3	2	2	3	2	30/03/2022	EEE	7
213024	EE8702	2	3	3	2	2	3	30/03/2022	EEE	7
213025	EE8702	2	3	2	2	2	3	30/03/2022	EEE	7
213026	EE8702	3	3	3	2	2	2	30/03/2022	EEE	7
213027	EE8702	2	2	3	2	2	3	30/03/2022	EEE	7
213028	EE8702	2	3	3	2	3	2	30/03/2022	EEE	7
213029	EE8702	2	3	3	2	2	2	30/03/2022	EEE	7
213030	EE8702	3	2	2	2	2	3	30/03/2022	EEE	7
213031	EE8702	3	2	2	3	2	2	30/03/2022	EEE	7
213032	EE8702	3	3	2	3	3	3	30/03/2022	EEE	7
213033	EE8702	2	3	3	3	3	2	30/03/2022	EEE	7
213034	EE8702	2	3	3	2	3	2	30/03/2022	EEE	7
213035	EE8702	3	2	2	3	2	2	30/03/2022	EEE	7
213036	EE8702	3	2	2	3	2	2	30/03/2022	EEE	7
213037	EE8702	2	3	3	2	2	3	30/03/2022	EEE	7
213038	EE8702	2	3	3	3	3	3	30/03/2022	EEE	7
213039	EE8702	3	3	2	2	3	3	30/03/2022	EEE	7
213040	EE8702	3	3	3	3	3	3	30/03/2022	EEE	7
213041	EE8702	3	2	2	2	3	3	30/03/2022	EEE	7
213042	EE8702	2	2	2	2	3	3	30/03/2022	EEE	7
213043	EE8702	3	2	2	3	3	3	30/03/2022	EEE	7
213044	EE8702	3	2	2	2	3	3	30/03/2022	EEE	7
213045	EE8702	2	3	3	3	3	3	30/03/2022	EEE	7
213046	EE8702	2	2	2	3	2	3	30/03/2022	EEE	7
213047	EE8702	2	2	3	3	3	3	30/03/2022	EEE	7
213048	EE8702	3	2	2	3	2	3	30/03/2022	EEE	7
213049	EE8702	2	3	2	2	3	2	30/03/2022	EEE	7
213050	EE8702	2	3	3	2	2	2	30/03/2022	EEE	7
213051	EE8702	3	3	3	2	2	3	30/03/2022	EEE	7
213052	EE8702	3	2	3	3	2	3	30/03/2022	EEE	7
213053	EE8702	3	2	3	2	2	2	30/03/2022	EEE	7
213054	EE8702	2	3	3	3	3	3	30/03/2022	EEE	7
213055	EE8702	2	3	3	2	2	3	30/03/2022	EEE	7
213056	EE8702	2	3	2	3	3	3	30/03/2022	EEE	7
213057	EE8702	2	2	2	2	2	2	30/03/2022	EEE	7
213058	EE8702	2	2	2	2	2	2	30/03/2022	EEE	7
213059	EE8702	3	2	3	2	2	2	30/03/2022	EEE	7
213060	EE8702	3	2	3	2	3	3	30/03/2022	EEE	7
213061	EE8702	2	3	2	3	3	3	30/03/2022	EEE	7
213063	EE8702	3	3	3	3	3	3	30/03/2022	EEE	7
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213067	EE8702	3	3	2	3	3	2	30/03/2022	EEE	7
213068	EE8702	3	3	3	3	3	3	30/03/2022	EEE	7
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213072	EE8702	3	2	2	3	2	3	30/03/2022	EEE	7
213073	EE8702	3	3	2	2	2	2	30/03/2022	EEE	7
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213076	EE8702	2	2	3	2	3	2	30/03/2022	EEE	7
213077	EE8702	2	2	2	3	2	2	30/03/2022	EEE	7
213078	EE8702	3	2	3	3	3	3	30/03/2022	EEE	7
213079	EE8702	3	3	2	3	3	3	30/03/2022	EEE	7
213080	EE8702	3	3	3	2	2	2	30/03/2022	EEE	7
213082	EE8702	3	2	3	3	3	3	30/03/2022	EEE	7
213083	EE8702	3	3	2	3	2	3	30/03/2022	EEE	7
213084	EE8702	2	2	3	3	3	3	30/03/2022	EEE	7
213085	EE8702	3	2	3	2	2	2	30/03/2022	EEE	7
213086	EE8702	3	3	2	2	2	2	30/03/2022	EEE	7
213087	EE8702	3	2	3	3	2	2	30/03/2022	EEE	7
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213092	EE8702	3	2	2	3	2	2	30/03/2022	EEE	7
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213098	EE8702	3	3	2	2	3	3	30/03/2022	EEE	7
213099	EE8702	3	3	2	2	3	2	30/03/2022	EEE	7
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213103	EE8702	2	3	2	2	2	2	30/03/2022	EEE	7
213104	EE8702	3	2	2	2	2	3	30/03/2022	EEE	7
213105	EE8702	2	3	3	3	2	2	30/03/2022	EEE	7
213106	EE8702	3	2	3	3	2	3	30/03/2022	EEE	7
213107	EE8702	3	2	2	3	3	2	30/03/2022	EEE	7
213108	EE8702	3	3	2	3	3	2	30/03/2022	EEE	7
213109	EE8702	2	2	3	3	2	3	30/03/2022	EEE	7

213110	EE8702	2	3	2	3	2	2	30/03/2022	EEE	7
213111	EE8702	2	2	2	2	3	3	30/03/2022	EEE	7
213112	EE8702	3	3	3	3	2	2	30/03/2022	EEE	7
213113	EE8702	2	2	2	2	2	3	30/03/2022	EEE	7
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213115	EE8702	2	2	2	2	3	2	30/03/2022	EEE	7
213116	EE8702	2	3	2	3	3	2	30/03/2022	EEE	7
213118	EE8702	2	2	3	3	3	3	30/03/2022	EEE	7
Attained Level		2.58	2.5	2.41	2.52	2.46	2.51			
%		86.00	83.33	80.33	84.00	82.00	83.67			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8703** NBA Code : **C403** Title **RENEWABLE ENERGY SYSTEMS**
Faculty: Mr.S.Ramprasath / Dr.P.Ram Prakash

Cos	CO Description	Attained Level	%
403.1	Ability to create awareness about renewable Energy Sources and technologies.	2.52	84.00
403.2	Ability to get adequate inputs on a variety of issues in harnessing renewable Energy.	2.54	84.67
403.3	Ability to recognize current and possible future role of renewable energy sources.	2.5	83.33
403.4	Ability to explain the various renewable energy resources and technologies and their applications	2.5	83.33
403.5	Ability to understand basics about Biomass energy.	2.5	83.33
403.6	Ability to acquire knowledge about Solar energy.	2.5	83.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 111

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
213002	EE8703	3	3	2	2	2	2	30/03/2022	EEE	7
213003	EE8703	3	3	3	2	2	2	30/03/2022	EEE	7
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213005	EE8703	2	2	2	2	2	3	30/03/2022	EEE	7
213006	EE8703	3	2	2	3	3	3	30/03/2022	EEE	7
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213020	EE8703	3	3	2	2	2	3	30/03/2022	EEE	7
213021	EE8703	2	3	3	3	3	2	30/03/2022	EEE	7
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213023	EE8703	2	3	2	3	3	3	30/03/2022	EEE	7
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213052	EE8703	3	3	2	2	2	2	30/03/2022	EEE	7
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213054	EE8703	3	3	2	2	2	3	30/03/2022	EEE	7
213055	EE8703	3	2	2	3	3	2	30/03/2022	EEE	7
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213057	EE8703	2	3	3	3	2	3	30/03/2022	EEE	7
213058	EE8703	2	2	2	2	3	2	30/03/2022	EEE	7
213059	EE8703	2	3	2	3	2	3	30/03/2022	EEE	7
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213061	EE8703	3	2	2	3	2	2	30/03/2022	EEE	7
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213069	EE8703	2	3	2	3	3	3	30/03/2022	EEE	7
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213075	EE8703	3	2	2	3	2	2	30/03/2022	EEE	7
213076	EE8703	3	3	3	2	3	3	30/03/2022	EEE	7
213077	EE8703	2	2	3	3	2	3	30/03/2022	EEE	7
213078	EE8703	3	2	3	2	3	2	30/03/2022	EEE	7
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213086	EE8703	2	3	2	2	3	2	30/03/2022	EEE	7
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213093	EE8703	2	3	3	3	3	2	30/03/2022	EEE	7
213094	EE8703	2	2	3	3	2	3	30/03/2022	EEE	7
213095	EE8703	2	2	3	3	3	3	30/03/2022	EEE	7
213096	EE8703	2	3	2	3	3	2	30/03/2022	EEE	7
213097	EE8703	3	2	2	2	3	3	30/03/2022	EEE	7
213098	EE8703	2	3	2	3	2	3	30/03/2022	EEE	7
213099	EE8703	3	3	2	2	3	2	30/03/2022	EEE	7
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213101	EE8703	3	3	3	2	2	3	30/03/2022	EEE	7
213102	EE8703	3	2	3	2	2	3	30/03/2022	EEE	7
213103	EE8703	2	3	2	3	2	3	30/03/2022	EEE	7
213104	EE8703	3	2	3	3	2	3	30/03/2022	EEE	7
213105	EE8703	2	3	3	2	3	2	30/03/2022	EEE	7
213106	EE8703	2	2	2	2	3	3	30/03/2022	EEE	7
213107	EE8703	3	3	2	2	2	3	30/03/2022	EEE	7
213108	EE8703	2	2	3	2	2	3	30/03/2022	EEE	7
213109	EE8703	3	3	2	3	3	2	30/03/2022	EEE	7

213110	EE8703	2	2	2	2	3	2	30/03/2022	EEE	7
213111	EE8703	2	3	3	2	3	2	30/03/2022	EEE	7
213112	EE8703	2	2	3	3	2	2	30/03/2022	EEE	7
213113	EE8703	3	3	3	3	2	2	30/03/2022	EEE	7
213114	EE8703	2	2	3	3	3	3	30/03/2022	EEE	7
213115	EE8703	3	2	3	2	2	2	30/03/2022	EEE	7
213116	EE8703	2	3	3	3	2	3	30/03/2022	EEE	7
213118	EE8703	2	3	3	3	2	2	30/03/2022	EEE	7
Attained Level		2.52	2.54	2.5	2.5	2.5	2.5			
%		84.00	84.67	83.33	83.33	83.33	83.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EI8075** NBA Code : **CEE405** Title **FIBRE OPTICS AND LASER INSTRUMENTS**
Faculty: Dr.M.Marimuthu / Mr.R.Venugopal

Cos	CO Description	Attained Level	%
EE405.1	Understand the principle, transmission, dispersion and attenuation characteristics of optical fibers	2.49	83.00
EE405.2	Apply the gained knowledge on optical fibers for its use as communication medium	2.48	82.67
EE405.3	Apply the gained knowledge on sensor which have important applications in production, manufacturing industrial and biomedical applications.	2.55	85.00
EE405.4	Understand laser theory and laser generation system.	2.57	85.67
EE405.5	apply laser theory for the selection of lasers for a specific Industrial and medical application.	2.41	80.33
EE405.6	apply hologram theroy for a specific Industrial and medical application.	2.56	85.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 111

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
213002	EI8075	2	3	2	2	2	2	30/03/2022	EEE	7
213003	EI8075	3	2	2	3	2	3	30/03/2022	EEE	7
213004	EI8075	2	2	3	2	2	3	30/03/2022	EEE	7
213005	EI8075	2	2	2	2	2	2	30/03/2022	EEE	7
213006	EI8075	2	2	2	2	3	3	30/03/2022	EEE	7
213007	EI8075	3	3	3	2	3	2	30/03/2022	EEE	7
213008	EI8075	2	3	2	2	3	2	30/03/2022	EEE	7
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213011	EI8075	2	2	2	3	2	3	30/03/2022	EEE	7
213012	EI8075	2	2	3	3	2	3	30/03/2022	EEE	7
213013	EI8075	3	2	3	3	2	2	30/03/2022	EEE	7
213014	EI8075	2	2	3	2	3	2	30/03/2022	EEE	7
213015	EI8075	2	3	3	2	2	3	30/03/2022	EEE	7
213016	EI8075	2	3	3	3	3	3	30/03/2022	EEE	7
213018	EI8075	2	2	2	3	2	2	30/03/2022	EEE	7
213019	EI8075	3	3	3	2	2	2	30/03/2022	EEE	7
213020	EI8075	2	2	3	2	2	3	30/03/2022	EEE	7
213021	EI8075	2	2	2	3	3	3	30/03/2022	EEE	7
213022	EI8075	2	2	2	2	2	3	30/03/2022	EEE	7

213023	EI8075	2	3	3	3	3	3	30/03/2022	EEE	7
213024	EI8075	2	3	2	3	2	3	30/03/2022	EEE	7
213025	EI8075	3	2	2	3	2	3	30/03/2022	EEE	7
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213040	EI8075	3	2	2	3	2	3	30/03/2022	EEE	7
213041	EI8075	3	3	3	3	3	2	30/03/2022	EEE	7
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213046	EI8075	3	3	3	3	3	2	30/03/2022	EEE	7
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213063	EI8075	2	3	3	2	2	3	30/03/2022	EEE	7
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213066	EI8075	2	3	3	2	2	2	30/03/2022	EEE	7

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213068	EI8075	2	2	3	3	3	3	30/03/2022	EEE	7
213069	EI8075	3	2	3	3	3	2	30/03/2022	EEE	7
213070	EI8075	2	2	2	3	3	2	30/03/2022	EEE	7
213071	EI8075	2	2	3	2	3	2	30/03/2022	EEE	7
213072	EI8075	2	3	2	2	2	3	30/03/2022	EEE	7
213073	EI8075	2	2	3	2	2	2	30/03/2022	EEE	7
213074	EI8075	3	3	2	3	2	3	30/03/2022	EEE	7
213075	EI8075	2	3	2	2	3	2	30/03/2022	EEE	7
213076	EI8075	2	3	2	3	3	2	30/03/2022	EEE	7
213077	EI8075	2	2	2	3	3	2	30/03/2022	EEE	7
213078	EI8075	3	2	3	2	2	3	30/03/2022	EEE	7
213079	EI8075	2	2	3	3	2	2	30/03/2022	EEE	7
213080	EI8075	3	2	3	3	3	3	30/03/2022	EEE	7
213082	EI8075	2	2	2	2	3	2	30/03/2022	EEE	7
213083	EI8075	3	3	3	3	2	3	30/03/2022	EEE	7
213084	EI8075	2	2	3	2	2	3	30/03/2022	EEE	7
213085	EI8075	3	2	3	3	2	3	30/03/2022	EEE	7
213086	EI8075	2	2	3	3	2	2	30/03/2022	EEE	7
213087	EI8075	3	3	2	3	2	3	30/03/2022	EEE	7
213088	EI8075	3	2	3	3	2	3	30/03/2022	EEE	7
213089	EI8075	3	3	2	3	3	3	30/03/2022	EEE	7
213090	EI8075	2	3	3	2	2	2	30/03/2022	EEE	7
213092	EI8075	2	3	3	3	2	3	30/03/2022	EEE	7
213093	EI8075	3	3	3	3	2	3	30/03/2022	EEE	7
213094	EI8075	3	3	2	3	2	3	30/03/2022	EEE	7
213095	EI8075	2	2	3	2	2	3	30/03/2022	EEE	7
213096	EI8075	3	3	2	2	3	3	30/03/2022	EEE	7
213097	EI8075	3	2	2	3	3	2	30/03/2022	EEE	7
213098	EI8075	3	3	2	3	2	3	30/03/2022	EEE	7
213099	EI8075	3	2	3	3	2	2	30/03/2022	EEE	7
213100	EI8075	3	2	2	3	3	2	30/03/2022	EEE	7
213101	EI8075	3	2	3	3	3	2	30/03/2022	EEE	7
213102	EI8075	3	2	2	2	2	2	30/03/2022	EEE	7
213103	EI8075	3	2	2	3	3	3	30/03/2022	EEE	7
213104	EI8075	3	3	3	3	3	2	30/03/2022	EEE	7
213105	EI8075	2	3	2	2	2	3	30/03/2022	EEE	7
213106	EI8075	3	3	3	2	2	2	30/03/2022	EEE	7
213107	EI8075	2	3	3	2	3	3	30/03/2022	EEE	7
213108	EI8075	3	3	3	2	2	3	30/03/2022	EEE	7
213109	EI8075	3	2	2	3	3	2	30/03/2022	EEE	7

213110	EI8075	3	2	3	2	2	3	30/03/2022	EEE	7
213111	EI8075	3	3	2	3	2	3	30/03/2022	EEE	7
213112	EI8075	2	3	3	2	3	3	30/03/2022	EEE	7
213113	EI8075	2	2	3	3	3	3	30/03/2022	EEE	7
213114	EI8075	2	2	3	3	2	3	30/03/2022	EEE	7
213115	EI8075	2	2	2	3	2	3	30/03/2022	EEE	7
213116	EI8075	3	3	2	2	3	2	30/03/2022	EEE	7
213118	EI8075	3	2	2	2	3	2	30/03/2022	EEE	7
Attained Level		2.49	2.48	2.55	2.57	2.41	2.56			
%		83.00	82.67	85.00	85.67	80.33	85.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8010** NBA Code : **C420** Title **POWER SYSTEMS TRANSIENTS**
Faculty: Mr.R.Sridhar / Mr.B.Paranthagan

Cos	CO Description	Attained Level	%
C420.1	Able to explain the types and importance of studying the transients	2.54	84.67
C420.2	Able to map the given problem to the concerned basic transform	2.49	83.00
C420.3	Able to explain the resistance switching,capacitance switching and current chopping	2.44	81.33
C420.4	Able to explain the lightning mechanism and protection schemes	2.5	83.33
C420.5	Able to construct the Bewley's lattice diagram	2.43	81.00
C420.6	Able to explain different overvoltage mechanisms in the power system	2.5	83.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 111

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
213002	EE8010	3	3	2	3	3	3	30/03/2022	EEE	7
213003	EE8010	3	2	2	2	2	3	30/03/2022	EEE	7
213004	EE8010	2	3	2	3	2	3	30/03/2022	EEE	7
213005	EE8010	3	3	2	3	3	3	30/03/2022	EEE	7
213006	EE8010	3	3	3	2	2	2	30/03/2022	EEE	7
213007	EE8010	3	2	2	2	3	2	30/03/2022	EEE	7
213008	EE8010	3	3	3	3	2	2	30/03/2022	EEE	7
213009	EE8010	3	2	3	2	3	2	30/03/2022	EEE	7
213010	EE8010	3	2	2	2	3	3	30/03/2022	EEE	7
213011	EE8010	2	2	3	2	2	2	30/03/2022	EEE	7
213012	EE8010	2	3	3	2	2	3	30/03/2022	EEE	7
213013	EE8010	3	3	2	2	3	3	30/03/2022	EEE	7
213014	EE8010	3	3	2	2	3	3	30/03/2022	EEE	7
213015	EE8010	2	2	2	2	3	2	30/03/2022	EEE	7
213016	EE8010	3	2	3	2	3	3	30/03/2022	EEE	7
213018	EE8010	3	3	2	3	2	3	30/03/2022	EEE	7
213019	EE8010	2	3	2	2	2	3	30/03/2022	EEE	7
213020	EE8010	2	3	3	2	3	3	30/03/2022	EEE	7
213021	EE8010	2	2	3	3	2	3	30/03/2022	EEE	7
213022	EE8010	2	2	3	3	2	2	30/03/2022	EEE	7
213023	EE8010	3	3	3	3	3	2	30/03/2022	EEE	7
213024	EE8010	2	2	2	2	2	2	30/03/2022	EEE	7
213025	EE8010	2	2	2	3	2	2	30/03/2022	EEE	7

213026	EE8010	3	2	2	3	3	2	30/03/2022	EEE	7
213027	EE8010	2	3	3	2	2	3	30/03/2022	EEE	7
213028	EE8010	3	3	2	3	3	2	30/03/2022	EEE	7
213029	EE8010	3	3	3	2	2	3	30/03/2022	EEE	7
213030	EE8010	3	2	3	3	3	3	30/03/2022	EEE	7
213031	EE8010	3	3	2	2	2	2	30/03/2022	EEE	7
213032	EE8010	2	2	3	2	3	2	30/03/2022	EEE	7
213033	EE8010	3	2	2	2	3	3	30/03/2022	EEE	7
213034	EE8010	3	3	3	2	2	2	30/03/2022	EEE	7
213035	EE8010	3	3	2	2	2	2	30/03/2022	EEE	7
213036	EE8010	3	2	3	3	2	2	30/03/2022	EEE	7
213037	EE8010	3	3	3	3	2	3	30/03/2022	EEE	7
213038	EE8010	2	3	3	3	3	2	30/03/2022	EEE	7
213039	EE8010	3	3	2	3	3	3	30/03/2022	EEE	7
213040	EE8010	3	3	3	3	2	2	30/03/2022	EEE	7
213041	EE8010	2	3	3	3	2	2	30/03/2022	EEE	7
213042	EE8010	2	3	2	3	2	3	30/03/2022	EEE	7
213043	EE8010	3	2	2	3	3	3	30/03/2022	EEE	7
213044	EE8010	2	3	2	3	3	2	30/03/2022	EEE	7
213045	EE8010	2	2	2	2	3	3	30/03/2022	EEE	7
213046	EE8010	3	2	3	3	2	2	30/03/2022	EEE	7
213047	EE8010	2	3	2	2	2	3	30/03/2022	EEE	7
213048	EE8010	2	2	2	3	3	3	30/03/2022	EEE	7
213049	EE8010	3	2	3	3	3	2	30/03/2022	EEE	7
213050	EE8010	2	3	3	2	2	2	30/03/2022	EEE	7
213051	EE8010	3	2	3	3	2	2	30/03/2022	EEE	7
213052	EE8010	3	3	2	3	2	3	30/03/2022	EEE	7
213053	EE8010	2	2	3	3	2	2	30/03/2022	EEE	7
213054	EE8010	2	2	2	3	2	3	30/03/2022	EEE	7
213055	EE8010	2	3	2	2	2	3	30/03/2022	EEE	7
213056	EE8010	2	2	3	2	2	2	30/03/2022	EEE	7
213057	EE8010	2	3	2	2	2	3	30/03/2022	EEE	7
213058	EE8010	3	3	2	2	2	2	30/03/2022	EEE	7
213059	EE8010	2	3	2	3	2	2	30/03/2022	EEE	7
213060	EE8010	2	3	2	2	3	3	30/03/2022	EEE	7
213061	EE8010	2	3	3	3	2	3	30/03/2022	EEE	7
213063	EE8010	3	3	2	2	3	3	30/03/2022	EEE	7
213065	EE8010	3	2	2	2	3	3	30/03/2022	EEE	7
213066	EE8010	3	3	2	3	2	2	30/03/2022	EEE	7
213067	EE8010	3	2	2	3	2	3	30/03/2022	EEE	7
213068	EE8010	3	2	2	3	2	2	30/03/2022	EEE	7

213069	EE8010	2	2	2	2	2	3	30/03/2022	EEE	7
213070	EE8010	2	3	2	3	2	3	30/03/2022	EEE	7
213071	EE8010	3	3	2	3	2	3	30/03/2022	EEE	7
213072	EE8010	2	3	2	3	3	2	30/03/2022	EEE	7
213073	EE8010	3	2	3	2	3	3	30/03/2022	EEE	7
213074	EE8010	2	2	3	3	3	2	30/03/2022	EEE	7
213075	EE8010	3	2	3	2	3	3	30/03/2022	EEE	7
213076	EE8010	2	3	2	3	3	3	30/03/2022	EEE	7
213077	EE8010	3	2	2	2	2	3	30/03/2022	EEE	7
213078	EE8010	2	2	3	2	3	2	30/03/2022	EEE	7
213079	EE8010	3	3	2	3	2	2	30/03/2022	EEE	7
213080	EE8010	2	2	3	2	2	2	30/03/2022	EEE	7
213082	EE8010	2	2	3	2	2	2	30/03/2022	EEE	7
213083	EE8010	2	2	2	2	3	2	30/03/2022	EEE	7
213084	EE8010	3	3	2	2	3	2	30/03/2022	EEE	7
213085	EE8010	2	2	3	3	2	2	30/03/2022	EEE	7
213086	EE8010	3	2	3	3	3	3	30/03/2022	EEE	7
213087	EE8010	3	2	2	3	3	3	30/03/2022	EEE	7
213088	EE8010	2	3	2	2	2	2	30/03/2022	EEE	7
213089	EE8010	2	3	2	3	3	2	30/03/2022	EEE	7
213090	EE8010	3	2	3	2	3	2	30/03/2022	EEE	7
213092	EE8010	2	2	3	3	3	2	30/03/2022	EEE	7
213093	EE8010	2	2	3	3	3	2	30/03/2022	EEE	7
213094	EE8010	2	3	2	3	2	2	30/03/2022	EEE	7
213095	EE8010	3	3	3	3	2	3	30/03/2022	EEE	7
213096	EE8010	3	2	3	3	2	2	30/03/2022	EEE	7
213097	EE8010	3	2	2	2	2	3	30/03/2022	EEE	7
213098	EE8010	2	2	3	2	2	3	30/03/2022	EEE	7
213099	EE8010	3	3	2	2	2	2	30/03/2022	EEE	7
213100	EE8010	3	2	2	2	2	2	30/03/2022	EEE	7
213101	EE8010	2	2	2	2	2	2	30/03/2022	EEE	7
213102	EE8010	3	3	2	2	3	3	30/03/2022	EEE	7
213103	EE8010	3	2	2	2	2	3	30/03/2022	EEE	7
213104	EE8010	2	3	2	2	2	3	30/03/2022	EEE	7
213105	EE8010	2	2	3	3	3	3	30/03/2022	EEE	7
213106	EE8010	3	3	2	3	2	2	30/03/2022	EEE	7
213107	EE8010	3	3	2	2	2	2	30/03/2022	EEE	7
213108	EE8010	3	3	3	3	3	2	30/03/2022	EEE	7
213109	EE8010	3	3	2	2	3	3	30/03/2022	EEE	7
213110	EE8010	3	2	3	2	2	3	30/03/2022	EEE	7
213111	EE8010	2	3	3	3	2	3	30/03/2022	EEE	7
213112	EE8010	3	2	3	3	3	2	30/03/2022	EEE	7

213113	EE8010	3	2	3	2	2	3	30/03/2022	EEE	7
213114	EE8010	2	2	3	2	3	3	30/03/2022	EEE	7
213115	EE8010	2	2	2	2	2	2	30/03/2022	EEE	7
213116	EE8010	3	2	2	3	3	3	30/03/2022	EEE	7
213118	EE8010	2	2	3	3	3	3	30/03/2022	EEE	7
Attained Level		2.54	2.49	2.44	2.5	2.43	2.5			
%		84.67	83.00	81.33	83.33	81.00	83.33			

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Academic Year : **2021-22ODD** Semester : **3** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8351** NBA Code : **CEE8351** Title **DIGITAL LOGIC CIRCUITS**
Faculty: Dr.S.Vijayalakshmi

Cos	CO Description	Attained Level	%
EE8351.1	Explain the various number systems and compare the characteristics and operation of digital logic families. Describe the various types of number system, binary codes and examine the digital logic families	2.56	85.33
EE8351.2	Use K-map for simplification and implementation of combinational logic circuit	2.54	84.67
EE8351.3	Design various synchronous sequential circuit.	2.51	83.67
EE8351.4	Design various asynchronous sequential circuit.	2.4	80.00
EE8351.5	Analyze the programmability logic devices.	2.56	85.33
EE8351.6	Discuss digital simulation for development of application oriented logic circuits.	2.5	83.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 70

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
233001	EE8351	3	2	2	3	2	3	30/03/2022	EEE	3
233002	EE8351	2	3	2	2	3	3	30/03/2022	EEE	3
233003	EE8351	3	2	2	2	2	3	30/03/2022	EEE	3
233004	EE8351	3	3	2	3	3	3	30/03/2022	EEE	3
233005	EE8351	2	3	2	2	2	2	30/03/2022	EEE	3
233006	EE8351	2	3	3	3	3	3	30/03/2022	EEE	3
233007	EE8351	3	3	2	2	3	3	30/03/2022	EEE	3
233008	EE8351	3	3	2	2	3	2	30/03/2022	EEE	3
233009	EE8351	2	3	3	3	2	3	30/03/2022	EEE	3
233010	EE8351	2	2	2	3	3	3	30/03/2022	EEE	3
233011	EE8351	3	3	2	2	3	2	30/03/2022	EEE	3
233012	EE8351	2	2	2	2	2	2	30/03/2022	EEE	3
233013	EE8351	3	3	2	2	3	3	30/03/2022	EEE	3
233014	EE8351	2	3	3	2	2	3	30/03/2022	EEE	3
233015	EE8351	2	2	3	3	2	3	30/03/2022	EEE	3
233016	EE8351	2	2	3	3	2	3	30/03/2022	EEE	3
233017	EE8351	2	2	3	2	2	2	30/03/2022	EEE	3
233018	EE8351	3	2	2	2	3	2	30/03/2022	EEE	3
233019	EE8351	3	3	3	3	3	2	30/03/2022	EEE	3
233020	EE8351	2	3	3	2	2	2	30/03/2022	EEE	3

233021	EE8351	2	3	2	3	3	3	30/03/2022	EEE	3
233022	EE8351	3	2	3	2	2	2	30/03/2022	EEE	3
233023	EE8351	3	2	3	2	2	2	30/03/2022	EEE	3
233024	EE8351	3	3	3	2	3	2	30/03/2022	EEE	3
233025	EE8351	3	3	3	2	3	2	30/03/2022	EEE	3
233026	EE8351	3	3	3	2	3	2	30/03/2022	EEE	3
233027	EE8351	3	3	2	2	2	2	30/03/2022	EEE	3
233028	EE8351	2	2	3	2	3	2	30/03/2022	EEE	3
233029	EE8351	2	2	2	3	3	3	30/03/2022	EEE	3
233030	EE8351	2	2	2	2	2	2	30/03/2022	EEE	3
233031	EE8351	3	3	3	2	3	2	30/03/2022	EEE	3
233032	EE8351	3	3	2	2	2	2	30/03/2022	EEE	3
233033	EE8351	3	3	3	2	2	2	30/03/2022	EEE	3
233034	EE8351	3	2	2	3	2	2	30/03/2022	EEE	3
233035	EE8351	2	3	3	3	2	2	30/03/2022	EEE	3
233036	EE8351	2	2	3	2	2	3	30/03/2022	EEE	3
233037	EE8351	2	2	2	3	3	3	30/03/2022	EEE	3
233038	EE8351	2	3	3	3	3	2	30/03/2022	EEE	3
233040	EE8351	2	3	3	3	3	3	30/03/2022	EEE	3
233041	EE8351	3	3	2	2	2	2	30/03/2022	EEE	3
233042	EE8351	3	2	3	2	3	2	30/03/2022	EEE	3
233043	EE8351	3	2	2	3	2	3	30/03/2022	EEE	3
233044	EE8351	3	3	2	2	3	2	30/03/2022	EEE	3
233045	EE8351	3	2	2	3	2	2	30/03/2022	EEE	3
233046	EE8351	2	2	3	2	3	3	30/03/2022	EEE	3
233047	EE8351	3	2	2	3	2	2	30/03/2022	EEE	3
233048	EE8351	3	3	2	3	3	2	30/03/2022	EEE	3
233049	EE8351	3	2	3	3	3	3	30/03/2022	EEE	3
233050	EE8351	3	3	3	3	3	3	30/03/2022	EEE	3
233051	EE8351	2	2	2	2	2	3	30/03/2022	EEE	3
233052	EE8351	2	3	2	3	3	3	30/03/2022	EEE	3
233053	EE8351	3	3	3	2	3	3	30/03/2022	EEE	3
233054	EE8351	2	2	2	2	3	2	30/03/2022	EEE	3
233055	EE8351	3	2	3	2	3	3	30/03/2022	EEE	3
233056	EE8351	3	3	2	3	2	2	30/03/2022	EEE	3
233058	EE8351	3	2	3	2	3	3	30/03/2022	EEE	3
233059	EE8351	3	3	3	3	2	3	30/03/2022	EEE	3
233060	EE8351	3	2	3	2	3	2	30/03/2022	EEE	3
233061	EE8351	2	3	3	3	3	2	30/03/2022	EEE	3
233062	EE8351	2	3	2	2	2	3	30/03/2022	EEE	3
233064	EE8351	3	3	2	2	2	2	30/03/2022	EEE	3
233065	EE8351	2	2	2	2	3	3	30/03/2022	EEE	3

233066	EE8351	2	2	3	3	3	3	30/03/2022	EEE	3
233068	EE8351	3	3	3	3	2	3	30/03/2022	EEE	3
233069	EE8351	3	2	3	2	3	3	30/03/2022	EEE	3
233070	EE8351	2	3	3	2	3	3	30/03/2022	EEE	3
233071	EE8351	2	3	3	2	3	3	30/03/2022	EEE	3
233072	EE8351	3	2	2	2	3	2	30/03/2022	EEE	3
233073	EE8351	2	3	2	2	2	3	30/03/2022	EEE	3
233074	EE8351	3	2	3	3	2	2	30/03/2022	EEE	3
Attained Level		2.56	2.54	2.51	2.4	2.56	2.5			
%		85.33	84.67	83.67	80.00	85.33	83.33			

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Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (EEE)**
Subject Code : **EE8017(8)** NBA Code : **EE8017** Title **HIGH VOLTAGE DIRECT CURRENT TRANSMISSION**
Faculty: Dr.S.Vijayalakshmi / Dr.S.Vijayalakshmi

Cos	CO Description	Attained Level	%
EE8017.1	Compare AC and DC transmission, state the applications of DC transmission and list the modern trends in DC transmission	2.45	81.67
EE8017.2	Select the best configuration of converter and anlayse the operation of 6 pulse & 12 pulse the converter	2.46	82.00
EE8017.3	Explain the different HVDC system controls	2.44	81.33
EE8017.4	Illustrate the importance of reactive power control to control voltage	2.49	83.00
EE8017.5	Design and analyse filters	2.52	84.00
EE8017.6	Model and analyse the DC system under steady state	2.52	84.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 111

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
213002	EE8017(8)	2	2	3	3	3	2	30/03/2022	EEE	7
213003	EE8017(8)	2	3	2	3	3	3	30/03/2022	EEE	7
213004	EE8017(8)	3	3	3	3	3	3	30/03/2022	EEE	7
213005	EE8017(8)	2	3	3	2	2	2	30/03/2022	EEE	7
213006	EE8017(8)	2	3	2	2	3	2	30/03/2022	EEE	7
213007	EE8017(8)	2	3	2	3	3	2	30/03/2022	EEE	7
213008	EE8017(8)	3	3	2	3	3	3	30/03/2022	EEE	7
213009	EE8017(8)	3	3	2	2	2	2	30/03/2022	EEE	7
213010	EE8017(8)	2	3	3	2	3	3	30/03/2022	EEE	7
213011	EE8017(8)	2	2	3	2	2	3	30/03/2022	EEE	7
213012	EE8017(8)	2	2	3	2	2	3	30/03/2022	EEE	7
213013	EE8017(8)	2	2	2	3	2	3	30/03/2022	EEE	7
213014	EE8017(8)	3	3	2	3	3	3	30/03/2022	EEE	7
213015	EE8017(8)	3	3	3	2	3	3	30/03/2022	EEE	7
213016	EE8017(8)	3	2	2	2	3	3	30/03/2022	EEE	7
213018	EE8017(8)	3	3	2	3	3	2	30/03/2022	EEE	7
213019	EE8017(8)	2	3	3	2	3	3	30/03/2022	EEE	7
213020	EE8017(8)	3	3	2	3	3	2	30/03/2022	EEE	7
213021	EE8017(8)	2	2	2	2	3	2	30/03/2022	EEE	7
213022	EE8017(8)	2	3	2	2	2	3	30/03/2022	EEE	7
213023	EE8017(8)	3	2	3	2	2	3	30/03/2022	EEE	7

213024	EE8017(8)	2	3	3	2	2	3	30/03/2022	EEE	7
213025	EE8017(8)	2	3	2	3	3	3	30/03/2022	EEE	7
213026	EE8017(8)	3	3	2	3	2	3	30/03/2022	EEE	7
213027	EE8017(8)	2	2	2	3	3	3	30/03/2022	EEE	7
213028	EE8017(8)	3	3	3	3	3	3	30/03/2022	EEE	7
213029	EE8017(8)	3	3	2	3	2	2	30/03/2022	EEE	7
213030	EE8017(8)	3	2	2	2	2	3	30/03/2022	EEE	7
213031	EE8017(8)	2	3	2	3	3	3	30/03/2022	EEE	7
213032	EE8017(8)	3	3	2	3	2	3	30/03/2022	EEE	7
213033	EE8017(8)	2	3	2	3	3	3	30/03/2022	EEE	7
213034	EE8017(8)	3	2	2	2	3	2	30/03/2022	EEE	7
213035	EE8017(8)	3	2	2	2	2	2	30/03/2022	EEE	7
213036	EE8017(8)	3	2	2	3	2	2	30/03/2022	EEE	7
213037	EE8017(8)	3	3	2	2	3	3	30/03/2022	EEE	7
213038	EE8017(8)	2	2	3	2	3	2	30/03/2022	EEE	7
213039	EE8017(8)	3	2	3	2	3	3	30/03/2022	EEE	7
213040	EE8017(8)	2	3	2	2	2	3	30/03/2022	EEE	7
213041	EE8017(8)	2	3	3	3	3	2	30/03/2022	EEE	7
213042	EE8017(8)	2	2	2	2	3	2	30/03/2022	EEE	7
213043	EE8017(8)	3	2	3	2	3	3	30/03/2022	EEE	7
213044	EE8017(8)	2	3	2	3	2	2	30/03/2022	EEE	7
213045	EE8017(8)	3	3	3	3	3	3	30/03/2022	EEE	7
213046	EE8017(8)	2	2	2	2	3	2	30/03/2022	EEE	7
213047	EE8017(8)	2	2	3	3	3	2	30/03/2022	EEE	7
213048	EE8017(8)	2	3	3	2	2	2	30/03/2022	EEE	7
213049	EE8017(8)	2	2	2	2	2	3	30/03/2022	EEE	7
213050	EE8017(8)	3	3	2	3	2	3	30/03/2022	EEE	7
213051	EE8017(8)	3	2	3	2	2	3	30/03/2022	EEE	7
213052	EE8017(8)	2	2	2	2	3	2	30/03/2022	EEE	7
213053	EE8017(8)	2	3	2	3	2	3	30/03/2022	EEE	7
213054	EE8017(8)	2	2	2	2	2	2	30/03/2022	EEE	7
213055	EE8017(8)	2	3	3	3	2	2	30/03/2022	EEE	7
213056	EE8017(8)	3	2	2	2	2	3	30/03/2022	EEE	7
213057	EE8017(8)	2	2	3	2	3	3	30/03/2022	EEE	7
213058	EE8017(8)	3	2	2	3	3	2	30/03/2022	EEE	7
213059	EE8017(8)	2	2	3	2	3	2	30/03/2022	EEE	7
213060	EE8017(8)	2	2	3	2	3	2	30/03/2022	EEE	7
213061	EE8017(8)	3	2	3	3	2	3	30/03/2022	EEE	7
213063	EE8017(8)	3	2	3	3	2	3	30/03/2022	EEE	7
213065	EE8017(8)	3	3	2	2	2	2	30/03/2022	EEE	7
213066	EE8017(8)	2	3	3	3	3	3	30/03/2022	EEE	7
213067	EE8017(8)	3	3	2	2	2	2	30/03/2022	EEE	7

213068	EE8017(8)	2	2	2	2	3	3	30/03/2022	EEE	7
213069	EE8017(8)	3	2	3	2	3	2	30/03/2022	EEE	7
213070	EE8017(8)	3	2	2	2	2	2	30/03/2022	EEE	7
213071	EE8017(8)	3	3	3	3	2	2	30/03/2022	EEE	7
213072	EE8017(8)	3	3	2	3	2	3	30/03/2022	EEE	7
213073	EE8017(8)	2	2	3	2	2	2	30/03/2022	EEE	7
213074	EE8017(8)	3	3	2	2	2	2	30/03/2022	EEE	7
213075	EE8017(8)	3	2	2	2	2	3	30/03/2022	EEE	7
213076	EE8017(8)	2	2	2	3	2	3	30/03/2022	EEE	7
213077	EE8017(8)	3	2	3	3	2	3	30/03/2022	EEE	7
213078	EE8017(8)	3	3	3	2	3	2	30/03/2022	EEE	7
213079	EE8017(8)	2	2	3	3	2	2	30/03/2022	EEE	7
213080	EE8017(8)	3	2	3	3	3	3	30/03/2022	EEE	7
213082	EE8017(8)	2	2	3	3	3	2	30/03/2022	EEE	7
213083	EE8017(8)	2	3	3	2	2	3	30/03/2022	EEE	7
213084	EE8017(8)	2	2	2	2	2	3	30/03/2022	EEE	7
213085	EE8017(8)	3	3	3	3	3	2	30/03/2022	EEE	7
213086	EE8017(8)	2	3	2	2	3	2	30/03/2022	EEE	7
213087	EE8017(8)	2	3	2	3	2	2	30/03/2022	EEE	7
213088	EE8017(8)	2	3	2	2	3	3	30/03/2022	EEE	7
213089	EE8017(8)	2	2	3	3	3	3	30/03/2022	EEE	7
213090	EE8017(8)	2	2	2	2	3	3	30/03/2022	EEE	7
213092	EE8017(8)	2	2	2	2	3	3	30/03/2022	EEE	7
213093	EE8017(8)	2	3	2	3	2	2	30/03/2022	EEE	7
213094	EE8017(8)	2	2	2	2	2	2	30/03/2022	EEE	7
213095	EE8017(8)	2	3	2	2	3	3	30/03/2022	EEE	7
213096	EE8017(8)	2	2	2	2	3	3	30/03/2022	EEE	7
213097	EE8017(8)	3	2	2	2	2	2	30/03/2022	EEE	7
213098	EE8017(8)	2	2	2	3	2	2	30/03/2022	EEE	7
213099	EE8017(8)	3	3	3	3	2	2	30/03/2022	EEE	7
213100	EE8017(8)	2	3	2	3	3	3	30/03/2022	EEE	7
213101	EE8017(8)	3	2	3	3	3	2	30/03/2022	EEE	7
213102	EE8017(8)	3	2	3	2	2	2	30/03/2022	EEE	7
213103	EE8017(8)	3	3	2	2	2	2	30/03/2022	EEE	7
213104	EE8017(8)	2	2	2	2	3	2	30/03/2022	EEE	7
213105	EE8017(8)	3	2	2	3	3	2	30/03/2022	EEE	7
213106	EE8017(8)	2	3	3	3	2	3	30/03/2022	EEE	7
213107	EE8017(8)	3	2	2	2	2	2	30/03/2022	EEE	7
213108	EE8017(8)	2	2	2	3	3	3	30/03/2022	EEE	7
213109	EE8017(8)	2	2	3	3	3	2	30/03/2022	EEE	7
213110	EE8017(8)	3	2	3	3	2	3	30/03/2022	EEE	7

213111	EE8017(8)	2	2	3	2	2	2	30/03/2022	EEE	7
213112	EE8017(8)	2	2	3	3	2	3	30/03/2022	EEE	7
213113	EE8017(8)	3	3	3	3	3	3	30/03/2022	EEE	7
213114	EE8017(8)	2	3	3	3	3	2	30/03/2022	EEE	7
213115	EE8017(8)	3	2	3	3	3	3	30/03/2022	EEE	7
213116	EE8017(8)	2	2	3	2	3	2	30/03/2022	EEE	7
213118	EE8017(8)	3	2	2	3	2	3	30/03/2022	EEE	7
Attained Level		2.45	2.46	2.44	2.49	2.52	2.52			
%		81.67	82.00	81.33	83.00	84.00	84.00			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (EEE)**
Subject Code : **OCS752** NBA Code : **COCS752** Title **INTRODUCTION TO C PROGRAMMING**
Faculty: Ms.S.Priyanga / Ms.S.Priyanga

Cos	CO Description	Attained Level	%
OCS752.1	To understand simple applications using basic c syntax	2.43	81.00
OCS752.2	To Develop applications using arrays	2.5	83.33
OCS752.3	Develop applications using strings	2.59	86.33
OCS752.4	Develop applications using functions and structures Develop applications using functions and structures Develop applications using functions and structures To understand the concept of functions	2.56	85.33
OCS752.5	Develop applications using structures	2.59	86.33
OCS752.6	To Develop simple applications using basic constructs	2.53	84.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 111

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
213002	OCS752	2	3	3	2	3	2	30/03/2022	EEE	7
213003	OCS752	2	2	2	3	3	3	30/03/2022	EEE	7
213004	OCS752	2	3	3	3	2	3	30/03/2022	EEE	7
213005	OCS752	3	3	3	2	3	3	30/03/2022	EEE	7
213006	OCS752	2	3	2	2	2	2	30/03/2022	EEE	7
213007	OCS752	2	3	3	2	3	2	30/03/2022	EEE	7
213008	OCS752	2	2	3	2	2	2	30/03/2022	EEE	7
213009	OCS752	3	3	3	3	3	2	30/03/2022	EEE	7
213010	OCS752	2	2	3	3	3	2	30/03/2022	EEE	7
213011	OCS752	3	3	2	3	2	3	30/03/2022	EEE	7
213012	OCS752	2	3	2	3	3	3	30/03/2022	EEE	7
213013	OCS752	2	3	3	3	2	2	30/03/2022	EEE	7
213014	OCS752	2	3	2	3	2	3	30/03/2022	EEE	7
213015	OCS752	2	2	3	3	2	2	30/03/2022	EEE	7
213016	OCS752	3	2	3	2	3	3	30/03/2022	EEE	7
213018	OCS752	3	2	2	2	3	2	30/03/2022	EEE	7
213019	OCS752	3	2	2	3	3	3	30/03/2022	EEE	7
213020	OCS752	2	2	2	2	3	2	30/03/2022	EEE	7
213021	OCS752	2	2	2	3	3	3	30/03/2022	EEE	7
213022	OCS752	2	3	3	3	3	3	30/03/2022	EEE	7
213023	OCS752	2	2	2	2	3	3	30/03/2022	EEE	7
213024	OCS752	2	2	3	3	3	2	30/03/2022	EEE	7

213025	OCS752	2	2	2	3	2	3	30/03/2022	EEE	7
213026	OCS752	3	2	2	3	3	3	30/03/2022	EEE	7
213027	OCS752	2	2	2	3	3	3	30/03/2022	EEE	7
213028	OCS752	2	2	2	2	3	3	30/03/2022	EEE	7
213029	OCS752	2	3	2	3	3	2	30/03/2022	EEE	7
213030	OCS752	3	3	2	3	2	2	30/03/2022	EEE	7
213031	OCS752	3	3	2	3	3	3	30/03/2022	EEE	7
213032	OCS752	3	3	2	2	3	3	30/03/2022	EEE	7
213033	OCS752	2	3	2	2	3	3	30/03/2022	EEE	7
213034	OCS752	3	2	3	3	3	3	30/03/2022	EEE	7
213035	OCS752	2	2	3	2	2	3	30/03/2022	EEE	7
213036	OCS752	2	3	3	2	3	3	30/03/2022	EEE	7
213037	OCS752	2	3	3	2	3	3	30/03/2022	EEE	7
213038	OCS752	2	2	2	3	3	3	30/03/2022	EEE	7
213039	OCS752	2	3	2	2	2	3	30/03/2022	EEE	7
213040	OCS752	3	3	3	3	2	2	30/03/2022	EEE	7
213041	OCS752	2	3	2	3	2	3	30/03/2022	EEE	7
213042	OCS752	2	2	2	2	2	3	30/03/2022	EEE	7
213043	OCS752	2	2	3	3	2	2	30/03/2022	EEE	7
213044	OCS752	3	2	2	3	2	3	30/03/2022	EEE	7
213045	OCS752	3	3	3	3	3	3	30/03/2022	EEE	7
213046	OCS752	3	3	2	2	2	2	30/03/2022	EEE	7
213047	OCS752	2	3	3	2	3	2	30/03/2022	EEE	7
213048	OCS752	2	3	3	3	3	2	30/03/2022	EEE	7
213049	OCS752	2	3	3	2	3	2	30/03/2022	EEE	7
213050	OCS752	3	2	3	3	2	2	30/03/2022	EEE	7
213051	OCS752	2	2	3	3	3	3	30/03/2022	EEE	7
213052	OCS752	3	3	3	2	2	2	30/03/2022	EEE	7
213053	OCS752	3	3	3	3	3	2	30/03/2022	EEE	7
213054	OCS752	3	3	3	2	3	3	30/03/2022	EEE	7
213055	OCS752	2	3	3	2	2	3	30/03/2022	EEE	7
213056	OCS752	2	3	3	2	2	3	30/03/2022	EEE	7
213057	OCS752	3	2	2	2	3	2	30/03/2022	EEE	7
213058	OCS752	2	2	3	2	3	3	30/03/2022	EEE	7
213059	OCS752	3	3	2	2	2	3	30/03/2022	EEE	7
213060	OCS752	3	2	3	3	3	2	30/03/2022	EEE	7
213061	OCS752	2	2	2	3	3	2	30/03/2022	EEE	7
213063	OCS752	2	2	2	3	2	3	30/03/2022	EEE	7
213065	OCS752	2	2	3	2	3	2	30/03/2022	EEE	7
213066	OCS752	3	2	2	2	3	2	30/03/2022	EEE	7
213067	OCS752	2	3	2	3	3	2	30/03/2022	EEE	7
213068	OCS752	2	2	3	2	2	3	30/03/2022	EEE	7

213069	OCS752	3	2	3	3	3	3	30/03/2022	EEE	7
213070	OCS752	2	2	3	3	2	2	30/03/2022	EEE	7
213071	OCS752	3	3	3	3	3	3	30/03/2022	EEE	7
213072	OCS752	3	3	2	3	3	2	30/03/2022	EEE	7
213073	OCS752	3	3	3	2	3	2	30/03/2022	EEE	7
213074	OCS752	3	2	3	2	2	2	30/03/2022	EEE	7
213075	OCS752	2	3	3	2	2	3	30/03/2022	EEE	7
213076	OCS752	2	3	2	2	2	3	30/03/2022	EEE	7
213077	OCS752	2	3	3	2	3	3	30/03/2022	EEE	7
213078	OCS752	3	3	3	2	3	3	30/03/2022	EEE	7
213079	OCS752	3	3	3	2	3	2	30/03/2022	EEE	7
213080	OCS752	2	3	3	3	3	3	30/03/2022	EEE	7
213082	OCS752	3	3	3	3	2	3	30/03/2022	EEE	7
213083	OCS752	3	3	2	3	2	3	30/03/2022	EEE	7
213084	OCS752	3	2	2	2	2	3	30/03/2022	EEE	7
213085	OCS752	3	2	3	3	3	3	30/03/2022	EEE	7
213086	OCS752	2	3	3	2	2	2	30/03/2022	EEE	7
213087	OCS752	3	3	3	3	3	3	30/03/2022	EEE	7
213088	OCS752	2	2	3	2	3	2	30/03/2022	EEE	7
213089	OCS752	2	3	3	3	3	2	30/03/2022	EEE	7
213090	OCS752	3	2	3	2	2	2	30/03/2022	EEE	7
213092	OCS752	3	3	2	2	3	2	30/03/2022	EEE	7
213093	OCS752	3	2	3	3	2	2	30/03/2022	EEE	7
213094	OCS752	2	2	3	3	3	2	30/03/2022	EEE	7
213095	OCS752	3	2	3	3	2	3	30/03/2022	EEE	7
213096	OCS752	2	3	3	3	2	2	30/03/2022	EEE	7
213097	OCS752	2	3	2	3	3	3	30/03/2022	EEE	7
213098	OCS752	3	2	3	3	2	2	30/03/2022	EEE	7
213099	OCS752	2	3	3	3	3	3	30/03/2022	EEE	7
213100	OCS752	3	3	2	3	3	3	30/03/2022	EEE	7
213101	OCS752	2	2	3	2	3	2	30/03/2022	EEE	7
213102	OCS752	3	2	2	2	3	3	30/03/2022	EEE	7
213103	OCS752	3	2	2	3	2	3	30/03/2022	EEE	7
213104	OCS752	3	2	3	3	2	2	30/03/2022	EEE	7
213105	OCS752	2	3	3	2	2	2	30/03/2022	EEE	7
213106	OCS752	2	3	3	2	2	3	30/03/2022	EEE	7
213107	OCS752	3	2	2	3	3	3	30/03/2022	EEE	7
213108	OCS752	2	2	2	3	2	2	30/03/2022	EEE	7
213109	OCS752	2	2	2	2	2	2	30/03/2022	EEE	7
213110	OCS752	2	2	3	2	2	2	30/03/2022	EEE	7
213111	OCS752	2	3	3	3	2	3	30/03/2022	EEE	7

213112	OCS752	3	2	3	3	3	2	30/03/2022	EEE	7
213113	OCS752	2	3	3	2	3	3	30/03/2022	EEE	7
213114	OCS752	3	2	2	3	3	2	30/03/2022	EEE	7
213115	OCS752	2	2	2	3	3	3	30/03/2022	EEE	7
213116	OCS752	3	2	3	3	2	2	30/03/2022	EEE	7
213118	OCS752	2	2	3	3	3	2	30/03/2022	EEE	7
Attained Level		2.43	2.5	2.59	2.56	2.59	2.53			
%		81.00	83.33	86.33	85.33	86.33	84.33			

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED			
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday			04	MON		I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE		II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE		I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED		II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE		II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE		II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON		III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED		V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI		II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

Principal

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR'22	DAY	DETAILS	Day order	working days	APR'22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON		IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Holiday			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Holiday			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				28	32				22	54				14	68
																	Total No.of working days for the semester :	68	

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for ODD semester(2021-22) - IIIrd & IV YEAR UG

AUG'21	DAY	DETAILS	DAY order	working days	SEP'21	DAY	DETAILS	DAY order	working days	OCT'21	DAY	DETAILS	DAY order	working days	NOV'21	DAY	DETAILS	DAY order	working days
01	SUN	Holiday			01	WED	Proposal of action plan for e-yantra activities		9	01	FRI	Stock Verification/VI/ACS LAB		32	01	MON	STUDENT FEEDBACK -2,Internal Audit, NBA verification		51
02	MON				02	THU	Guest Lecture 1, Discussion on conducting NI training dates		10	02	SAT	Holiday			02	TUE	Final Year Project Zeroth Review Meeting,Spoken Tutorial Test 2		52
03	TUE				03	FRI	Class commitee meeting 1, TEXAS, NSVC competition proposal search for application process		11	03	SUN	Holiday			03	WED	Holiday		
04	WED				04	SAT	IA test QP Submission - Mentor Mentee Meeting Day 1		12	04	MON	Publication and Circulation of E magazine (issue 1)		33	04	THU	Holiday		
05	THU				05	SUN	Holiday			05	TUE	Guest Lecture 3, Discussion on conducting NI training dates		34	05	FRI	Holiday		
06	FRI				06	MON	Mentor Mentee Meeting Day 2		13	06	WED	Class commitee meeting 2		35	06	SAT	Holiday		
07	SAT	Holiday			07	TUE	Attedance Verification in Sara portal / IA 1		14	07	THU	IA test QP Submission - Mentor Mentee Meeting Day 1 - Spoken Tutorial Test 1		36	07	SUN	Holiday		
08	SUN	Holiday			08	WED	Zentron lab visit inside college campus		15	08	FRI	Mentor Mentee Meeting Day 2 - Proposal for Training programme		37	08	MON	Faculty Monthly review meeting,Staff updation about FDP		53
09	MON				09	THU	E-Mag work intiation (issue 1)		16	09	SAT	Holiday			09	TUE	Initiate to collect Conference and Journal details		54
10	TUE				10	FRI	Holiday			10	SUN	Holiday			10	WED	IA test QP Submission - Mentor Mentee Meeting Day 1		55
11	WED				11	SAT	Holiday			11	MON	Guest Lecture 4		38	11	THU	Publication and Circulation of E magazine (issue 1), Guest Lecture 5,Mentor Mentee Meeting Day 2		56
12	THU				12	SUN	Holiday			12	TUE	IA test QP Submission		39	12	FRI	Class commitee meeting 3		57
13	FRI				13	MON	Reviewing SPP documents		17	13	WED	Submission of Finance document for HoD sign		40	13	SAT	Holiday		
14	SAT	Holiday			14	TUE	Dead line for giving willingness to NI for staff and students		18	14	THU	Holiday			14	SUN	Holiday		
15	SUN	Holiday			15	WED	ICT tools register sign by HoD		19	15	FRI	Holiday			15	MON	Attedance Verification in Sara portal / IA 3		58
16	MON				16	THU	Submission of Finance document for HoD sign		20	16	SAT	Holiday			16	TUE	IA Test 3		59
17	TUE				17	FRI	Stock Verification/CISD/e-Yantra LAB,		21	17	SUN	Holiday			17	WED	IA Test 3		60
18	WED	Library Book requestintimation to faculty		1	18	SAT	Holiday			18	MON	IA Test 2		41	18	THU	IA Test 3,Monthly report submission		61
19	THU	Department budget proposal, Lab requirments & Manual submission		2	19	SUN	Holiday			19	TUE	Holiday			19	FRI	IA Test 3		62
20	FRI	Holiday			20	MON	IA Test 1,Monthly Updation of NBA,NAAC to HoD, Whitelog book		22	20	WED	IA Test 2		42	20	SAT	IA Test 3,Reviewing SPP documents		63
21	SAT	Holiday			21	TUE	IA Test 1,Faculty Monthly review meeting		23	21	THU	IA Test 2		43	21	SUN	Holiday		
22	SUN	Holiday			22	WED	IA Test 1,Website updation verification		24	22	FRI	IA Test 2		44	22	MON	IA 3, ICT tools register sign by HoD		64
23	MON	Mentorship Faculty-students allocation, STTP proposal discussion		3	23	THU	IA Test 1,Zentron lab visit inside college campus		25	23	SAT	IA Test 2		45	23	TUE	IA Test Mark Entry / Guest Lecture 6 / Submission of Finance document for HoD sign		65
24	TUE	Alumini connection- discussion with HoD		4	24	FRI	IA Test 1,Monthly report submission		26	24	SUN	Holiday			24	WED	Whitelog book, Course Log book, Root cause analysis document		66
25	WED	PAC Meeting		5	25	SAT	IA Test 1		27	25	MON	IA Test 2		46	25	THU	IA test toppers display, Monthly Updation of NBA,NAAC to HoD		67
26	THU	Library Book request submission to Main Library		6	26	SUN	Holiday			26	TUE	IA Test 2,ICT tools register sign by HoD		47	26	FRI	Result analysis template,Stock Verification		68
27	FRI	Intimation of NI participation to staff & Students		7	27	MON	IA Test mark entry		28	27	WED	IA Test Mark Entry,, Whitelog book, Course Log book, Root cause analysis document		48	27	SAT	Holiday		
28	SAT	Holiday			28	TUE	Attedance Verification in Sara portal		29	28	THU	IA test toppers display, Monthly Updation of NBA,NAAC to HoD		49	28	SUN	Holiday		
29	SUN	Holiday			29	WED	IA test toppers display,Guest Lecture 2, Course Log book, Course File, Root cause analysis document,student feedback -1		30	29	FRI	Website updation verification		50	29	MON	Lab Record Completion		69
30	MON	Holiday			30	THU	Stock Verification/II/PC LAB		31	30	SAT	Holiday			30	TUE	Lab Record submission for bonafide sign and syllabus completion form submission		70
31	TUE	Proposal of Spoken tutorial two courses titles,Final Year Project Intimation to students, Dead line for submitting title and abstract Day 46 (Zeroth Review Meeting)		8						31	SUN	Holiday							

HOD / ICE

H.O.D. (ICE)
Saranathan College of Engg.
Trichirapalli - 620 012

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Department of Instrumentation and Control Engineering

Tentative Department Academic Planner for Even Semester(2021-22) - II, IV & VI Year UG

DATE	DAY	DETAILS	Day order	Day Register	DATE	DAY	DETAILS	Day order	Day Register	DATE	DAY	DETAILS	Day order	Day Register	DATE	DAY	DETAILS	Day order	Day Register	DATE	DAY	DETAILS	Day order	Day Register
01	TUE	Library Book request intimation to faculty and Budget proposal intimation		1	01	FRI	Holiday			01	SUN	Holiday		32	01	WED	STUDENT FEEDBACK -2	V	56	01	FRI	Collection of project publication details (staff, students)		
02	WED	Lab and dept' Library Stock verification-SPP		2	02	SAT	Holiday			02	MON		II	33	02	THU	IA3 test	I	57	02	SAT	Stock verification for PRACTICALS -SPP		
03	THU	NBA meeting – PA and Department budget proposal, Lab requirments & Manual submission		3	03	SUN	Holiday			03	TUE	Holiday			03	FRI	IA3 test NBA meeting- PA	II	58	03	SUN	Holiday		
04	FRI	Staff meeting with HOD, Mentorship Faculty-students allocation, STTP proposal discussion		4	04	MON		I	16	04	WED	NBA meeting- PA	III	34	04	SAT		III	59	04	MON	*Univ. Practical Exams Starts		
05	SAT	Time Table submission-MBS, Library Book request submission to Main Library		5	05	TUE		II	17	05	THU		IV	35	05	SUN	Holiday			05	TUE	Staff Data sheet (FDP, Certification details)		
06	SUN	Holiday			06	WED	NBA meeting- PA	III	18	06	FRI		V	36	06	MON	Paper presentation competition	IV	60	06	WED	NBA meeting- PA		
07	MON			6	07	THU	Monthly Report Submission-MBS	IV	19	07	SAT	Files verification	I	37	07	TUE	Monthly Report Submission-MBS	V	61	07	THU	Monthly Report Submission-MBS		
08	TUE	Monthly Report Submission-MBS, Proposal of action plan for e-yantra activities		7	08	FRI	Files verification	V	20	08	SUN	Holiday			08	WED	IA3 Starts	I	62	08	FRI	Files verification		
09	WED	Log book,Course plan and Notes submission		8	09	SAT		I		09	MON		II	38	09	THU	IA3 test QAC auditing3- SPP Parents Meeting-2	II	63	09	SAT	Holiday		
10	THU	Student Project proposal submission, Files verification		9	10	SUN	Holiday			10	TUE	Monthly Report Submission-MBS	III	39	10	FRI	IA3 test Files verification	III	64	10	SUN	Holiday		
11	FRI			10	11	MON	Guest Lecture-1 MBS, KR	II	21	11	WED	Guest Lecture-2 MBS, KR	IV	40	11	SAT	IA3 test			11	MON	Annual report Submission		
12	SAT				12	TUE	University Results Analysis	III		12	THU		V	41	12	SUN	Holiday			12	TUE			
13	SUN	Holiday			13	WED	Staff Meeting - IA test 1 Result analysis Topper list declaration	IV	23	13	FRI	IA Test 2 Starts Industrial parameter control using MATLAB	I	42	13	MON	IA3 test Guest Lecture-3 MBS, KR	IV	65	13	WED	Patent filing		
14	MON	Final copy of Academic Planer, File verification	I	1	14	THU	Holiday			14	SAT	IA Test 2			14	TUE	IA3 ends SARA Visit	V	66	14	THU	Alumini Meet		
15	TUE		II	2	15	FRI	Holiday			15	SUN	Holiday			15	WED	Syllabus completion Journal(project) paper communication	I	67	15	FRI			
16	WED	III,V,VII sem classes commence	III	3	16	SAT	Holiday	V	24	16	MON	IA Test 2 Admission workshop	II	43	16	THU	Depace Training- MSV	II	68	16	SAT			
17	THU	Discipline committee meeting with students- MSV	IV	4	17	SUN	Holiday			17	TUE	IA Test 2 IEI workshop – PA,MSV	III	44	17	FRI	Staff Meeting - IA test 3 Result analysis Topper list declaration E-magazine-RS	III	69	17	SUN	Holiday		
18	FRI	College Fees reminder, Finance review of Dept'		5	18	MON	IA test-1 Starts NI - LabVIEW Training starts- PA, KR	I	25	18	WED	IA Test 2 E- Yantra workshop 1 - MBS	IV	45	18	SAT	Commencement of University Practical exams Project Demo	IV	70	18	MON	*Univ. Theory Exams starts		
19	SAT	Holiday	I	6	19	TUE	IA test-1 Parents Meeting-1 QAC auditing1 STUDENTFEEDBACK-1	II	26	19	THU	IA Test 2 Intellisuite training- MSV	V	46	19	SUN	Holiday			19	TUE			
20	SUN	Holiday			20	WED	IA test-1 PLC workshop– PA, PT, RS	III	27	20	FRI	Industrial Visit for III year	I	47	20	MON	Materials check	V	71	20	WED			
21	MON	NI - CLAD Exam Training starts, Alumini connection- discussion with HoD Labview orientation program	II	7	21	THU	IA test-1 E-magazine - RS	IV	28	21	SAT	IA3 Question paper submission	II	48	21	TUE		I	72	21	THU			
22	TUE		III	8	22	FRI	IA test-1 Workshop -PCB design	V	29	22	SUN	Holiday			22	WED	Model exam Starts	II	88	22	FRI			
23	WED	Mentor MenteeMeeting-1 II year-MBS		9	23	SAT	IA test-1 Ends			23	MON	Staff Meeting - IA test 2 Result analysis Topper list declaration Spoken tutorial Mentor Mentee Meeting-3 For II year-MBS	III	49	23	THU	Model exam	III	89	23	SAT	Holiday		
24	THU	Mentor MenteeMeeting-1 III year- SV	V	10	24	SUN	Holiday			24	TUE	Spoken tutorial Mentor Mentee Meeting-3 For III year- SV	IV	50	24	FRI	Model exam	IV	90	24	SUN	Holiday		
25	FRI	Mentor MenteeMeeting-1 IV year- RS	I	11	25	MON	Mentor Mentee Meeting-2 For II year-MBS IA2 Question paper submission	I	30	25	WED	Yokogawa training Mentor Mentee Meeting-3 IV year- RS Class Committee Meeting -3 for II yr -MBS	V	51	25	SAT	Model exam	V		25	MON			
26	SAT	NI - CLAD Exam Training ends – PA, KR, Parents Teacher Meeting			26	TUE	Mentor Mentee Meeting-2 For III year- SV	II	31	26	THU	Yokogawa training Class Committee Meeting-3 for III yr -SV Materials check-PT	I	52	26	SUN	Holiday			26	TUE			
27	SUN	Holiday			27	WED	Founder's Memorial day Mentor Mentee Meeting-2 For IV year- RS	III	32	27	FRI	Yokogawa training Class Committee Meeting -3 for IV ye - RS Website updation- RS	II	53	27	MON	Model exam	I	91	27	WED			
28	MON	CCM-1 For II year -MBS	II	12	28	THU	CCM-2 for II yr -MBS Materials check-PT	IV	33	28	SAT	Holiday			28	TUE	Model Exams Ends	II	92	28	THU	Commencement of University Theory exams		
29	TUE	CCM-1 For III year - SV	III	13	29	FRI	NI - LabVIEW Training Ends- PA, KR CCM-2 for III yr -SV	V	34	29	SUN	Holiday			29	WED	Lab exams Question paper submission	III	77	29	FRI			
30	Wed	CCM-1 For IV year -RS Materials check -PT	IV	14	30	SAT	CCM-2 for IV yr -RS Website updation - RS	I	35	30	MON		III	54	30	THU	Website updation- MBS	IV	78	30	SAT			
31	Thu	Website updation-RS IA1 Question paper submission	V	15						31	TUE		IV	55						31	SUN	Holiday		
No. of Working days for students			15	15				21	36				23	59				25	74					

Mentor Mentee Meeting - MMM; Class Committee Meeting – CCM;

Every Day order 5 staff meeting with HOD, IATest -Internal assessment Test, *Tentative dates

HoD/ICE

H.O.D. (ICE)
Saranathan College of Engg.
Trichirapalli - 620 012.

SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012
Department of Instrumentation and Control Engineering
WORKLOAD -ALLOCATION FOR THE ACADEMIC YEAR 2021-2022(ODD)

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY/ LAB	HOURS	TOTAL HOURS
1	Dr. S. M. Girirajkumar	Air Pollution and Control Engineering	OCE551	III/V	THEORY	5	5
2	Dr. M. Shanmugavalli	Digital Logic Circuits	EE8351	II/III	THEORY	6	11
		Industrial Data Networks	EI8751	IV/VII	THEORY	5	
3	Mr. P.Aravind	Fibre Optics and Laser Instrumentation	EI8075	IV/VII	THEORY	5	22
		Process Control	EI8553	III/V	THEORY	5	
		Industrial Instrumentation Laboratory	EI8561	III/V	LAB	6	
		Industrial Automation Laboratory	EI8761	IV/VII	LAB	6	
4	Mr. P. Thirumurugan	Transducer Engineering	EI8352	II/III	THEORY	5	19
		Industrial Instrumentation - II	EI8552	III/V	THEORY	5	
		Measurements and Transducers Laboratory	EI8361	II/III	LAB	3	
		Industrial Automation Laboratory	EI8761	IV/VII	LAB	6	
5	Mr.S.Vigneshwaran	Electronic Devices and Circuits	EC8353	II/III	THEORY	5	16
		Analytical Instruments	EI8551	III/V	THEORY	5	
		Instrumentation System design Laboratory Laboratory	EI8762	IV/VII	LAB	6	
6	Mr.R.Seetharaman	Instrumentation in Petrochemical Industries	EI8091	IV/VII	THEORY	5	14
		Measurements and Transducers Laboratory	EI8361	II/III	LAB	3	
		Industrial Automation Laboratory	EI8761	IV/VII	LAB	6	
7	Ms. K. Ezhilarasi	Electrical Measurements	EI8351	II/III	THEORY	5	24
		Electronic Instrumentation	EI8692	IV/VII	THEORY	5	
		Instrumentation System design Laboratory Laboratory	EI8762	IV/VII	LAB	6	
		Training and Placement	T&P	III/V	THEORY	2	
		Industrial Instrumentation Laboratory	EI8561	III/V	LAB	6	
8	Mr.S.Prasanna Perumal	Measurements and Transducers Laboratory	EI8361	II/III	LAB	**3**	15
		Instrumentation System design Laboratory Laboratory	EI8762	IV/VII	LAB	6	
		Industrial Instrumentation Laboratory	EI8561	III/V	LAB	6	
						TOTAL	135

Timetable Coordinator **HoD/ICE** **Principal**

SARANATHAN COLLEGE OF ENGINEERING
Venkatesw[illegible] Nagar, Panjappur, Tiruchirappalli - 620012
Department of Instrumentation and Control Engineering
WORKLOAD -ALLOCATION FOR THE ACADEMIC YEAR 2021-2022(EVEN)

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY/LAB	CREDIT	HOURS	TOTAL HOURS
1	Dr. S. M. Girirajkumar	Control Systems	IC8451	III/VI	THEORY	4	4	4
2	Dr. M. Shanmugavalli	Fundamentals of Nano Science	GE8073	VI/VIII	THEORY	3	4	10
		Mems and Nano science	EE8072	III/VI	THEORY	3	3	
		Project Review	IC8811	VI/VIII	LAB	10	3	
3	Dr. Banu Sundareswari M.	Industrial Instrumentation - I	EI8452	II/IV	THEORY	3	3	17
		Advanced Control System	IC8651	III/VI	THEORY	3	4	
		Process Control Laboratory	EI8661	III/VI	LAB	2	6	
		Engineering Practices Laboratory (ICE-CIVIL	GE3271	I/II	LAB	2	3	
		Training and Placement		III/VI	THEORY	1	1	
4	Dr. P. Thirumurugan	Thermal Power Plant Instrumentation	EI8092	III/VI	THEORY	3	3	13
		Linear integrated Circuit and Applications	EE8451	II/IV	THEORY	3	4	
		Linear and Digital integrated Circuits Laboratory	EE8461	II/IV	LAB	2	3	
		Engineering Practices Laboratory (IT-A)	GE3271	I/II	LAB	2	3	
5	Dr. P.Aravind	Applied Soft Computing	EE8071	III/VI	THEORY	3	3	15
		Profesional Ethics in Engineering	GE8076	IV/VIII	THEORY	3	3	
		Process Control Laboratory	EI8661	III/VI	LAB	2	6	
		Engineering Practices Laboratory(CSE-B)	GE3271	I/II	LAB	2	3	
7	Mr.R.Seetharaman	Logic and Distributed Control System	EI8651	III/VI	THEORY	3	3	12
		Electric Circuits Laboratory	EE3271	I/II	LAB	2	3	
		Engineering Practices Laboratory (AIDS)	GE3271	I/II	LAB	2	3	
		Engineering Practices Laboratory (CSE-A)	GE3271	I/II	LAB	2	3	
9	Mr.S.Prasanna Perumal	Electric Circuits Laboratory	EE3271	I/II	LAB	2	3	24
		Linear and Digital integrated Circuits Laboratory	EE8461	II/IV	LAB	2	3	
		Process Control Laboratory	EI8661	III/VI	LAB	2	3	
		Engineering Practices Laboratory (CSE- A & B	GE3271	I/II	LAB	2	15	
						TOTAL		95

HoD/ICE

Principal

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, NBA Accredited, Affiliated to Anna University, Chennai)
DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

REVIEW OF COURSE FILE

SUBJECT CODE : E18751

SUBJECT NAME : Industrial Data Networks

S.No.	Details
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy *
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities*
3.	Syllabus signed by staff & HoD*
4.	Lecture Schedule signed by staff & HoD*
5.	Course Committee meeting circular and minutes*
6.	Identification of Curricular gap and Content Beyond the syllabus*
7.	Previous AU Question papers (at least 5)*
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers*
9.	Unit wise course material *
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry
13.	Makeup Test –Q paper-Attendance-marks - sample answer papers
14.	Remedial Test –Q paper-Attendance-marks - sample answer papers
15.	Content beyond the syllabus – proof
16.	Course end survey
17.	AU question paper with students feedback
18.	AU result analysis
Signature of Course handling faculty with name M ShangaValli	
Signature of HoD	

SARANATHAN COLLEGE OF ENGINEERING
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DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

REVIEW OF COURSE FILE

SUBJECT CODE : EI8092

SUBJECT NAME : Thermal powerplant Instrumentation

S.No.	Details
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy *
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities*
3.	Syllabus signed by staff & HoD*
4.	Lecture Schedule signed by staff & HoD*
5.	Course Committee meeting circular and minutes*
6.	Identification of Curricular gap and Content Beyond the syllabus*
7.	Previous AU Question papers (at least 5)*
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers*
9.	Unit wise course material *
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry
13.	Makeup Test –Q paper-Attendance-marks - sample answer papers
14.	Remedial Test–Q paper-Attendance-marks - sample answer papers
15.	Content beyond the syllabus – proof
16.	Course end survey
17.	AU question paper with students feedback
18.	AU result analysis
Signature of Course handling faculty with name	[DR. P. THIRUMURUGAN]
Signature of HoD	

SARANATHAN COLLEGE OF ENGINEERING
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DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

REVIEW OF COURSE FILE

SUBJECT CODE : IC8651

SUBJECT NAME : Advanced Control System

S.No.	Details
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy *
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities*
3.	Syllabus signed by staff & HoD*
4.	Lecture Schedule signed by staff & HoD*
5.	Course Committee meeting circular and minutes*
6.	Identification of Curricular gap and Content Beyond the syllabus*
7.	Previous AU Question papers (at least 5)*
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers*
9.	Unit wise course material *
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry
13.	Makeup Test –Q paper-Attendance-marks - sample answer papers
14.	Remedial Test–Q paper-Attendance-marks - sample answer papers
15.	Content beyond the syllabus – proof
16.	Course end survey
17.	AU question paper with students feedback
18.	AU result analysis
Signature of Course handling faculty with name	(M. BANU SUNDARESWARI)
Signature of HoD	

LESSON PLAN - ODD SEM (2021-2022)

TITLE OF THE SUBJECT:	EI8751	INDUSTRIAL DATA NETWORKS			
SEMESTER :	VII	BRANCH:	ICE	REGULATION:	R-2017 AUC
NAME OF STAFF:	Dr. M. Shanmugavalli	PROFESSOR	ICE		

COURSE OBJECTIVES:

1. To educate on the basic concepts of data networks
2. To introduce the basics of internetworking and serial communications
3. To provide details on HART and Field buses
4. To educate on MODBUS, PROFIBUS and other communication protocol
5. To introduce industrial Ethernet and wireless communication

UNIT NO.	TOPICS	TEACHING METHOD	NO. OF PERIODS	CUMULATIVE PERIODS
I	**DATA NETWORK FUNDAMENTALS**			9
	Networks hierarchy and switching	PPT	1	1
	Open System Interconnection model of ISO	PPT	2	3
	Data link control protocol	PPT	2	5
	Media access protocol	PPT	2	7
	Command / response	PPT	2	9
	Token passing	PPT	2	11
	CSMA/CD, TCP/IP	PPT	1	12
II	**INTERNET WORKING and RS 232, RS485**			9
	Bridges	PPT	1	13
	Routers	PPT	2	15
	Gateways	PPT	1	16
	Standard ETHERNET configuration special requirement for	PPT	1	17
	ARCNET configuration special requirement for networks used for	PPT	1	18
	RS 232 configuration	PPT	2	20
	RS 485 configuration	PPT	1	21
	Actuator Sensor (AS) – interface	PPT	2	23
	Devicenet	PPT	2	25
III	**HART AND FIELD BUS**			9
	Introduction - Evolution of signal standard	PPT	2	27
	HART communication protocol	PPT	1	28
	HART networks - HART commands - HART applications	PPT	2	30
	Fieldbus - Introduction	PPT	1	31
	General Fieldbus architecture	PPT	1	32
	Basic requirements of Fieldbus standard	PPT	1	33
	Fieldbus topology - Interoperability Interchangeability	PPT	1	34
	Introduction to OLE for process control (OPC).	PPT	1	35
IV	**MODBUS AND PROFIBUS PA/DP/FMS AND FF**			9
	MODBUS protocol structure	PPT	2	37
	function codes – troubleshooting	PPT	2	39
	Profibus, Introduction	PPT	2	41
	Profibus protocol stack	PPT	1	42

Profibus communication model	PPT	1	45
communication objects - system operation	PPT	2	45
troubleshooting	PPT	1	46
review of foundation fieldbus - Data Highway	PPT	1	25

INDUSTRIAL ETHERNET AND WIRELESS COMMUNICATION			9
Industrial Ethernet, Introduction	PPT	1	47
10 Mbps Ethernet	PPT	2	49
100 Mbps Ethernet	PPT	2	51
Radio and wireless communication	PPT	1	52
Introduction, components of radio link	PPT	2	54
radio spectrum and frequency allocation	PPT	2	56
radio MODEMs	PPT	2	58
Introduction to wireless HART and ISA100	PPT	1	59

Black Board, PPT- Power point presentation

BOOKS:

1. Steve Mackay, Edwin Wrijut, Deon Reynders, John Park, Practical Industrial Data Networks Design, Installation and Troubleshooting' Newnes Publication, Elsevier First Edition, 2004
2. William Buchanan, Computer Buses, CRC Press, 2000.
3. Behrouz Forouzan, Data Communications & Networking, 3rd edition, Tata McGraw hill, 2006.

RENCES:

1. Andrew S. Tanenbaum, David J. Wetherall, Computer Networks, Prentice Hall of India Pvt. Ltd., 5th Edition. 2011.
2. Theodore S Rappaport, Wireless Communication: Principles and Practice, Prentice Hall of India 2nd Edition, 2001.
3. William Stallings, Wireless Communication & Networks, Prentice Hall of India, 2nd Edition, 2005.

RSE OUTCOMES:

tudents will have the

- Ability to define basic concepts of data communication and its importance.
- Ability to explain the various internetworking devices involved in industrial networks
- Ability to explain the various serial communication used in process industries.
- Ability to illustrate, compare & explain the working of HART and Field bus used in process digital communication.
- Ability to summarize the operation of MODBUS, PROFIBUS protocol & its applications.
- Ability to explain and adopt the different Industrial Ethernet protocol and usage of wireless communication in process applications.

Shanmugavalli

SIGNATURE OF STAFF

SIGNATURE OF HEAD OF THE DEPARTMENT

LESSON PLAN
ODD SEM (2021-22)

TITLE OF THE SUBJECT: EI8091 INSTRUMENTATION IN PRTROCHEMICAL INDUSTRIES

SEMESTER: VII **BRANCH:** ICE **REGULATION:** R-2017 AUC

NAME OF STAFF: Mr.R.SEETHARAMAN **ASSISTANT PROFESSOR** ICE

COURSE OBJECTIVES:

1. To introduce the students the method of oil recovery and the steps involved in oil gas production process
2. To make the students understand the process behavior of some of the important unit operations in petrochemical industry through mathematical model
3. To familiarize the students to apply knowledge to select the appropriate control strategy for the selective process
4. To provide information about the most important derivatives obtained from petroleum products
5. To help the students in understanding selection and maintenance of instruments in petrochemical industry

UNIT NO	TOPICS	TEACHING METHOD	NO. OF PERIODS	CUMULATIVE PERIODS
	OIL EXTRACTION AND OIL GAS PRODUCTION			
I	Introduction to Oil and Gas Industries	PPT	2	2
	Techniques used for oil discovery	PPT	2	4
	Oil recovery methods	PPT	1	5
	Overview of oil gas production	PPT	1	6
	oil gas separation	PPT	2	8
	Gas treatment and compression	PPT	2	10
	Control and safety systems	PPT	1	11
	IMPORTANT UNIT OPERATIONS IN REFINERY			
II	Distillation Column	PPT	1	12
	Thermal cracking	PPT	2	14
	Catalytic Cracking & reforming	PPT	2	16
	Mathematical Modeling and control strategy	PPT	2	18

	Alkylation	PPT	2	20
	Isomerization	PPT	2	22
	DERIVATIVES FROM PETROLEUM			
III	Methane and its derivatives	PPT	2	24
	Methanol Production	PPT	1	25
	Acetylene production	PPT	1	26
	Derivatives from acetylene	PPT	2	28
	Derivatives from ethylene	PPT	2	30
	Derivatives from propylene	PPT	2	32
	IMPORTANT PETROLEUM PRODUCTS & MEASUREMENTS			
IV	BTX Processing	PPT	2	34
	Production of Styrene	PPT	2	36
	Production of Ethylene Glycol and Ethylene Oxide	PPT	2	38
	Production of Polyethylene & Polypropylene	PPT	2	40
	Study of parameters in petrochemical industry	PPT	1	41
	Selection of measuring instruments	PPT	1	42
	Maintenance of measuring instruments	PPT	1	43
	SAFETY IN INSTRUMENTATION SYSTEMS			
V	Classification of Hazardous zone	PPT	1	44
	Electrical and Intrinsic safety	PPT	1	45
	Explosion suppression and Deluge Systems	PPT	2	47
	Flame, fire and smoke detectors	PPT	1	48
	leak detectors	PPT	1	49
	Guidelines and standards of safety instruments	PPT	1	50
	SIS Design Configurations	PPT	1	51
	Hazard and Risk Assessment	PPT	2	53
	Failure modes	PPT	1	54
	Operation and Maintenance	PPT	1	55

PPT- Power point presentation

COURSE OUTCOMES:

1. Gain knowledge on oil gas production process and important unit operations in a refinery
2. Having gained the process knowledge, ability to develop and analyze mathematical model of selective processes
3. Able to develop, analyze and select appropriate control strategy for selective unit operations in a refinery
4. Gain knowledge on the most important chemical derivatives obtained from petroleum products
5. Understand safety instrumentation followed in process industries

TEXT BOOKS:

1. Waddams, A.L., "Chemicals from Petroleum", Wiley, 1973. (Digitized in 2007)
2. Balchen, J.G., and Mumme K.I., "Process Control Structures and Applications", Von Nostrand Reinhold Company, New York, 1988

REFERENCES:

1. Liptak, B.G., "Instrumentation in Process Industries", Chilton Book Company, 2005. (Digitized in 2008.)
2. Austin, G.T. and Shreeves, A.G.T., "Chemical Process industries", McGraw-Hill, 2012
3. HavardDevold, "Oil and Gas Production Handbook", ABB, 2006
4. Paul Gruhn and Harry Cheddie, "Safety Instrumented Systems: Design, Analysis, and Justification", 2nd Edition, ISA Press, 2006

26/08/2021
SIGNATURE OF STAFF

SIGNATURE OF HEAD OF THE DEPARTMENT

LESSON PLAN

LESSON PLAN						
EVEN SEM (2021-2022)						
TITLE OF THE SUBJECT:	GE8076	PROFESSIONAL ETHICS IN ENGINEERING				
SEMESTER :	VIII	BRANCH:	ICE		REGULATION:	R-2017 AUC
NAME OF STAFF:	DR.P.ARAVIND	ASSISTANT PROFESSOR	ICE			

COURSE OBJECTIVES:

- To enable the students to create an awareness on Engineering Ethics and Human Values, to instill Moral and Social Values and Loyalty and to appreciate the rights of others.

UNIT NO	TOPICS	TEACHING METHOD	NO. OF PERIODS	CUMULATIVE PERIODS
	HUMAN VALUES			10
I	Morals, values and Ethics	BB	1	01
	Integrity – Work ethic – Service learning	BB	1	02
	Respect for others – Living peacefully	BB	1	03
	Caring – Sharing – Honesty – Courage – Valuing time	BB	2	05
	– Cooperation – Commitment – Empathy	BB	1	06
	Self-confidence – Character – Spirituality	BB	3	09
	Introduction to Yoga	BB	1	10
	meditation for professional excellence and stress management	BB	1	11
	Revision	BB	2	13
	ENGINEERING ETHICS			9
	Senses of 'Engineering Ethics' – Variety of moral issues	BB	3	16
	Types of inquiry – Moral dilemmas – Moral Autonomy	BB	3	19
	Kohlberg's theory – Gilligan's theory – Consensus & Controversy	BB	1	20
	Professions and Professionalism	BB	1	21
	Professional Ideals and Virtues – Uses of Ethical Theories	BB	2	23
	ENGINEERING AS SOCIAL EXPERIMENTATION			9
III	Engineering as Experimentation	BB	3	26
	Engineers as responsible Experimenters	BB	3	29
	Codes of Ethics	BB	3	32
	A Balanced Outlook on Law	BB	2	34
	Revision	BB	2	36
	SAFETY, RESPONSIBILITIES AND RIGHTS			9
IV	Safety and Risk – Assessment of Safety and Risk	BB	1	37
	Risk Benefit Analysis and Reducing Risk	BB	2	39
	Respect for Authority – Collective Bargaining	BB	2	41
	Confidentiality	BB	1	42
	Conflicts of Interest – Occupational Crime –	BB	3	45

LESSON PLAN

	Professional Rights – Employee Rights	BB	3	48
	Intellectual Property Rights (IPR)	BB	2	50
	Discrimination	BB	1	51
	Global Issues			9
V	Multinational Corporations – Environmental Ethics – Computer Ethics	BB	4	55
	Weapons Development- Engineers as Managers	BB	3	58
	Consulting Engineers – Engineers as Expert Witnesses and Advisors	BB	5	63
	Moral Leadership – Sample Code of Conduct	BB	2	65

BB –Black board teaching, PPT- Power point presentation

TEXT BOOKS:

1. Mike W. Martin and Roland Schinzinger, "Ethics in Engineering", Tata McGraw Hill, New Delhi, 2003.
2. Govindarajan M, Natarajan S, Senthil Kumar V. S, "Engineering Ethics", Prentice Hall of India, New Delhi, 2004.

REFERENCES :

1. Charles B. Fleddermann, "Engineering Ethics", Pearson Prentice Hall, New Jersey, 2004.
2. Charles E. Harris, Michael S. Pritchard and Michael J. Rabins, "Engineering Ethics – Concepts and Cases", Cengage Learning, 2009.
3. John R Boatright, "Ethics and the Conduct of Business", Pearson Education, New Delhi, 2003
4. Edmund G Seebauer and Robert L Barry, "Fundamentals of Ethics for Scientists and Engineers", Oxford University Press, Oxford, 2001.
5. Laura P. Hartman and Joe Desjardins, "Business Ethics: Decision Making for Personal Integrity and Social Responsibility" Mc Graw Hill education, India Pvt. Ltd.,New Delhi, 2013.
6. World Community Service Centre, ' Value Education', Vethathiri publications, Erode, 2011.

Web sources:
www.onlineethics.org, www.nspe.org, www.globalethics.org , www.ethics.org

COURSE OUTCOMES:
Understanding the human values and ethics in the human excellence and behaviour in the organisation
helps to understand the characteristics of morals and engineer's conduct of behaviour and practice in the workplace
Engineering as an experimental process to understand the various ethical implications
responsibility of engineers to ensure the safety, health and welfare of the public
the importance of ethics in dealing with the global issues, computer ethics and weapons development

SIGNATURE OF STAFF

SIGNATURE OF HEAD OF THE DEPARTMENT

LESSON PLAN							
EVEN SEM (2021 -2022)							
TITLE OF THESUBJECT:	EI8092	THERMAL POWER PLANT INSTRUMENTATION					
SEMESTER	VI		BRANCH	ICE		REGULATION	R-2017 AUC
NAME OF STAFF:	Dr. P.Thirumurugan	Assistant Professor /ICE					

COURSE OBJECTIVES:

- To make the students familiarize about various power generation methods.
- To identify various parameters in thermal power plant
- To impart knowledge about the different types of controls and control loops.
- To familiarize the student with the methods of monitoring different parameters like speed, vibration of turbines and their control.

Unit No	Topics	Teaching Method	No. of Periods	Cumulative Periods
	UNIT I – POWER GENERATION METHODS			
I	Brief Survey of methods of power generation	BB	1	1
	Hydro, thermal power plant	BB	2	3
	Nuclear, solar and wind Power plant	BB	2	5
	Importance of instrumentation in power generation	BB/PPT	1	6
	Thermal power plant	BB	1	7
	Building blocks	BB/PPT	1	8
	Details of boiler	BB	1	9
	Boiler processes P&I Diagram	BB	1	10
	Cogeneration	BB	1	11
	UNIT II - MEASUREMENTS IN POWER PLANTS			
II	Electrical measurements: current, voltage, power	BB	1	12
	frequency, Power Factor	BB	2	14
	non electrical parameters: flow of feed water	BB	1	15
	fuel, air , steam pressure	BB/PPT	2	17
	steam temperature and smoke density measurement	BB	2	19
	Flue gas oxygen analyzer	BB	1	20
	pollution monitoring instruments	BB	1	21
	UNITIII - FURNACE CONTROL – I			
	Coal handling: Pulverizers	BB/PPT	1	22
	Furnace Draught: natural draught	BB/PPT	1	23
	forced draught	BB	1	24

III	induced draught, power requirements for draught systems, Combustion control: Fuel/Air ratio, combustion efficiency,	BB	4	28
	excess air, parallel and cross limited combustion control	BB	2	30
	soot-blowing operation.	BB	2	32
	UNIT IV – BOILER CONTROL			
IV	Boiler metal temperature measurement, pressure	BB	2	34
	Boiler feed water processing and control	BB	1	35
	drum level measurement methods	BB	1	36
	steam temperature control: main steam and reheat steam	BB/PPT	3	39
	distributed control system in power plants	BB	2	41
	interlocks in boiler operation	BB	2	43
	UNIT V - TURBINE CONTROL			
V	Speed measurement, rotor and casing movement	BB	3	46
	Vibration measurement	BB	2	48
	shell temperature monitoring and control	BB/PPT	2	50
	steam pressure control, lubricant oil temperature	BB/PPT	2	52
	cooling system	BB	2	54

BB –Black board teaching, PPT- Power point presentation

COURSE OUTCOME

1. Understanding various power generation process.
2. Identify important parameter to be monitored and controlled in thermal power plant.
3. Knowledge about various building blocks and instruments involved in thermal power plant and its controlling process.

TEXT BOOKS:

1. Sam Dukelow, Control of Boilers, Instrument Society of America, 1991.
2. Modern Power Station Practice, Vol.6, Instrumentation, Controls and Testing, Pergamon Press, Oxford, 1971.

REFERENCES:

1. Krishnaswamy KM, Bala P, Bala MP, "Power Plant Instrumentation," Prentice Hall, 2013
2. Elonka.S.M.and Kohal A.L., Standard Boiler Operations, McGraw-Hill, New Delhi, 1994.
3. Jain R.K., Mechanical and industrial Measurements, Khanna Publishers, New Delhi, 2008

Course Teacher
(Dr.P. Thirumurugan)

HoD/ICE
(Dr. S. M. Girirajkumar)

Saranathan College of Engineering
Department of Instrumentation and Control Engineering
Tiruchirapalli

Assignment Questions					
Course code	IC8651	**Course Title**	ADVANCED CONTROL SYSTEM		
Year/	III	**Semester/ Section**	VI/A	**Academic Year**	2021-2022

Answer all the questions

Q. No.	Questions
1	1. Design the state feedback gain matrix K for the following system by converting the system in to, controllable canonical form such that the closed loop poles are located at 0.5,0.6. $$\dot{X} = \begin{bmatrix} -1 & -1 \\ 0 & -2 \end{bmatrix} x(t) + \begin{bmatrix} 0 \\ 1 \end{bmatrix} u(t)$$
2	1. Design a state-feedback controller which will place the closed-loop poles at -2±3.464j,-5 using all 3 methods. $$\dot{x} = \begin{bmatrix} 0 & 1 & 0 \\ 0 & 0 & 1 \\ -6 & -11 & -6 \end{bmatrix} x + \begin{bmatrix} 0 \\ 0 \\ 1 \end{bmatrix} u;\ y = \begin{bmatrix} 1 & 0 & 0 \end{bmatrix} x.$$

Course Instructor,
Dr. M.Banusundareswari

H.O.D. (ICE)
Saranathan College of Engg.
Trichirapalli - 620 012.

Saranathan College of Engineering
Department of Instrumentation and Control Engineering
Tiruchirapalli

Tutorial Questions					
Course code	IC8651	**Course Title**	ADVANCED CONTROL SYSTEM		
Year/	III	**Semester/ Section**	VI/A	**Academic Year**	2021-2022

Answer all the questions

Q. No.	Questions
1	Find out the state feedback gain matrix K for the following system using 3 methods such that the closed loop poles are located at 0.5, 0.6, and 0.7 $$\dot{X}(t) = \begin{bmatrix} -1 & 0 & 0 \\ 1 & -2 & 0 \\ 2 & 1 & -3 \end{bmatrix} x(t) + \begin{bmatrix} 10 \\ 1 \\ 0 \end{bmatrix} u(t)$$
2	A single input system is described by the following state equations. Design a state feedback controller which will closed loop poles at -1±2j, 2 $$\dot{X}(t) = \begin{bmatrix} -1 & 0 & 0 \\ 1 & -2 & 0 \\ 2 & 1 & -3 \end{bmatrix} x(t) + \begin{bmatrix} 10 \\ 1 \\ 0 \end{bmatrix} u(t)$$

Course Instructor
Dr. M.Banusundareswari.

H.O.D. (ICE)
Saranathan College of Engg.,
Trichirapalli - 620 012.

Department of Instrumentation and Control Engineering

Lab Schedule

EI8761 INDUSTRIAL AUTOMATION LABORATORY

VII SEMESTER – IV YEAR

REGULATION 2017

2021-2022(ODD SEM)

Expt	Planned Date	Actual Date	Experiments	Teaching Methodology
1	03.09.2021	06.09.2021	Study of PLC field device interface modules (AI, AO, DI, DO modules).	Practical
2	03.09.2021	06.09.2021	Programming Logic Gates Function in PLC	Practical
3	06.09.2021	07.09.2021	Implementing Mathematical Operations in PLC	Practical
4	06.09.2021	07.09.2021	Programming Jump-to-subroutine & return operations in PLC	Practical
5	07.09.2021	08.09.2021	PLC Exercises: - 1. Traffic Light Control and Filling/Draining Control Operation	Practical
6	10.09.2021	13.09.2021	PLC Exercise: 1. Reversal of DC Motor Direction 2. ON/OFF Controller for Thermal Process	Practical
7	13.09.2021	14.09.2021	PC based control of Level Process	Practical
8	15.09.2021	16.09.2021	On-line Monitoring and Control of a Pilot plant using DCS	Practical
9	13.09.2021	14.09.2021	PLC based Control of Flow Process	Practical
10	15.09.2021	16.09.2021	Study of Foundation Fieldbus /IOT/Wireless HART Enabled Transmitter	Practical

Signature of the Faculty

HoD

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 04/03/2022

Ref : SCE/Syllabus/ Theory/2021-22 – Odd Sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Digital Logic Circuits, code EE8351 for III year, III semester, department of ICE B.E/~~B.Tech/MBA~~ during the academic year 2021 – 22, Odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 48 periods, revised syllabus for 5 periods and discussed the Anna University Examination question papers of the last 3 years.

Signature : M ShanmugaValli

Name : M. SHANMUGAVALLI

Designation : Professor

Department : ICE

Date : 04/03/2022

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 22/6/'22

Ref: SCE/Syllabus/ Theory/2021-22 – Even Sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Fundamentals of Nanoscience (special elective), code GE8073 for III year, VI semester, department of ICE B.E/~~B.Tech/MBA~~ during the academic year **2021-22 – Even Semester**.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 46 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 3 years.

Signature : M ShanmugaValli

Name : M. SHANMUGAVALLI

Designation : Professor

Department : ICE

Date : 22/6/2022

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 04/01/2022

Ref : SCE/Syllabus/Laboratory/2021-22-Odd Sem/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: P. ARAVIND	Name	: P. Thirumurugan
Designation	: Assistant Professor	Designation	: Assistant Professor
Department	: ICE		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

EI8761 INDUSTRIAL AUTOMATION LABORATORY

Objectives: To impart practical skills in

1. Programming of PLC and DCS.
2. Sensor data acquisition, data processing and visualization
3. Interfacing the various field devices with PLC

List of Experiments:

1. Study of PLC field device interface modules (AI, AO, DI, DO modules).
2. Programming Logic Gates Function in PLC
3. Implementing Mathematical Operations in PLC
4. Programming Jump-to-subroutine & return operations in PLC
5. PLC Exercises: - 1. Traffic Light Control and Filling/Draining Control Operation
6. PLC Exercise: 1. Reversal of DC Motor Direction 2. ON/OFF Controller for Thermal Process
7. PC based control of Level Process
8. On-line Monitoring and Control of a Pilot plant using DCS
9. PLC based Control of Flow Process
10. Study of Foundation Fieldbus /IOT/Wireless HART Enabled Transmitter

Total: 60 Periods

Outcomes:

1. Ability to understand and Programming of PLC, SCADA and DCS
2. Ability to working with industrial automation system
3. Be able to design and implement control schemes in PLC & DCS
4. Ability to interface field devices with PLC & DCS

Print this page

Branch : ICE SECTION - A, SEM - 7
Name List

S.No	BatchNo	Regno	Name
1	215001	813818112001	AASHIK. G
2	215002	813818112002	ABDUL JAVITH. A
3	215003	813818112003	AJMALKHAN. S
4	215004	813818112004	AKILAN. R
5	215005	813818112005	AKSHAYAVARSHINI. V
6	215006	813818112006	ASWIN KUMAAR. R S
7	215007	813818112007	BENITO RICHARDSON. D
8	215008	813818112008	BHAVADHARANI. M B
9	215009	813818112009	DHARSAN PRABU. G K
10	215010	813818112010	GEETHA RANJANI. G
11	215011	813818112011	HARIHARAN. T
12	215012	813818112012	HARINI BANUMATHI. N
13	215013	813818112013	HARISH. P K
14	215014	813818112014	ISHWARYA. M
15	215015	813818112015	KUMARAGURU. K
16	215016	813818112016	LOKESH. R
17	215017	813818112017	LOKESH. S
18	215018	813818112018	MANIKANDAN. V
19	215019	813818112019	MOHAMED JAVEED ALI . S
20	215020	813818112020	MOHAMED THASNEEM. A
21	215021	813818112021	MOHAMED THOUFEEQ. P
22	215022	813818112022	NIRMAL VEL. S
23	215023	813818112023	NITHISH ANAND. S
24	215024	813818112024	NITHISH KUMAAR. R
25	215025	813818112025	NITHS ROSHAN . E.M.
26	215026	813818112026	POOJAVARDHINI. B
27	215027	813818112027	PRANAV KUMAR. S
28	215028	813818112028	PRANAV SAJESH. S
29	215029	813818112029	PRIYADHARSHINI. M
30	215030	813818112030	SANDHYA. V
31	215031	813818112031	SELVABALAJI. K P
32	215032	813818112032	SELVAKUMAR. B
33	215033	813818112033	SENTHIL ARASAN. B
34	215034	813818112034	SHARMILA RANI. A
35	215035	813818112035	SHIVAA SANKAR. A
36	215036	813818112036	SURIYA PRAKAASH. D
37	215037	813818112037	SWETHA. R
38	215038	813818112038	VASUNDRA. R
39	215039	813818112039	VICKRAM. K B
40	215040	813818112302	KAVIYARASAN. K
41	215041	813818112303	SATHISH KUMAR. M
42	215042	813818112301	KABILESHWARAN. R

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 22/06/2022

Ref: SCE/Syllabus/Laboratory/2021-22-Even Sem/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: S.Prassanna Perumal.	Name	: Dr. P. THIRUMURUGAN
Designation	: AP	Designation	: AP
Department	: ICE		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

EE8461 **LINEAR AND DIGITAL INTEGRATED CIRCUITS LABORATORY** **LPTC**

3003

OBJECTIVES:

• To learn design, testing and characterizing of circuit behavior with digital and analog ICs.

LIST OF EXPERIMENTS

1. Implementation of Boolean Functions, Adder and Subtractor circuits.
2. Code converters: Excess-3 to BCD and Binary to Gray code converter and vice-versa
3. Parity generator and parity checking
4. Encoders and Decoders
5. Counters: Design and implementation of 3-bit modulo counters as synchronous and Asynchronous types using FF IC's and specific counter IC.
6. Shift Registers: Design and implementation of 4-bit shift registers in SISO, SIPO, PISO, PIPO modes using suitability IC's.
7. Study of multiplexer and de multiplexer
8. Timer IC application: Study of NE/SE 555 timer in Astability, Monostability operation.
9. Application of Op-Amp: inverting and non-inverting amplifier, Adder, comparator, Integrator and Differentiator.
10. Voltage to frequency characteristics of NE/ SE 566 IC.
11. Variability Voltage Regulator using IC LM317.

TOTAL: 60 PERIODS

OUTCOMES: At the end of the course, the student should have the :

• Ability to understand and implement Boolean Functions.
• Ability to understand the importance of code conversion
• Ability to Design and implement 4-bit shift registers
• Ability to acquire knowledge on Application of Op-Amp
• Ability to Design and implement counters using specific counter IC.

nt this page

Branch : ICE SECTION - A, SEM - 3

Name List

S.No	BatchNo	Regno	Name
1	235001	813820112001	BALAJI. V
2	235002	813820112002	BARANI DARAN. R
3	235003	813820112003	BOOMIKA. S
4	235004	813820112004	CHANDRU. V
5	235005	813820112005	HARI PRAKASH. R
6	235006	813820112006	HARI VARSHINI. S
7	235007	813820112007	IRSHATH AHMED. M S
8	235008	813820112008	JOE JASPER RAJA. B
9	235009	813820112009	KAVIN. G
10	235010	813820112010	KEERTHI VASAN. K
11	235011	813820112011	MUKESH. P
12	235012	813820112012	PRITHIV RAJ. A
13	235013	813820112013	RAGUL. P
14	235014	813820112014	ROHAN. S

S.No	BatchNo	Regno	Name
15	235015	813820112015	SANTHOSH. R
16	235016	813820112016	SARAVANA KUMAR. K P
17	235017	813820112017	SHARAN. R
18	235018	813820112018	SHERENE AMALIA. G
19	235019	813820112019	SIVA SUBRAMANIAN. A
20	235020	813820112020	SUDHARSAN. B
21	235021	813820112021	SUDHARSAN. S
22	235022	813820112022	VIGNESH.S
23	235023	813820112023	VINOTH. M
24	235024	813820112024	VISHAL RAJ I P
25	235025	813820112025	YESHVANT. BA
26	235026	813820112026	YOKESWARAN. T
27	235027	813820112303	SUBHASAN. R
28	235028	813820112301	LEENA. R

Saranathan College of Engineering

QAC - Audit Report

Academic Year :2021-2022 ODD SEMESTER

Sem: ODD

Year/ Sem/Sec	II/III/A																			
			Test I					Test II					Dept	ICE	Test III					
Subject Code	Name of faculty		No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %			
MA8353	arunkumar-mat	IA Test	28	26	02	21	25%	28	28	00	05	82	28	25	03	18	36.			
		Make up Test																		
		Remarks	Lacle of Integration Concepts					Step mark will be given. For Students made more Careless mistakes.					Lacle of Practice.							
EC8353	Vigneswaran-ice	IA Test	28	26	02	19	32	28	22	06	19	32%	28	26	02	18	36%			
		Make up Test																		
		Remarks	Students accessing first time after a long time. So Preparation was not upto the mark					lag of Preparation. Few Students not able to recollect the Points					Compare to IA 2 Performance IA 3 satisfactory. Very Poor Performance few students due to result reduce.							
EE8351	shanmugavalli-ice	IA Test	28	26	02	11	61%	28	28	00	11	61%	28	26	02	03	89%			
		Make up Test																		
		Remarks	More analytical problems to be solved to strengthen the concepts					More practice needed to get good marks												

EI8351	Ezhilarasi-ice	IA Test	28	26	02	20	29%	28	23	00	05	82%	28	24	04	13	54%
		Make up Test															
		Remarks	Found difficult in writing first offline exam as well theory.					- good -					Feel heavy in writing more theory.				
EI8352	Thirumurugan-ice	IA Test	28	26	02	5	82%	28	27	01	05	82%	28	20	08	19	39%
		Make up Test															
		Remarks											lag of preparation & 8 students absent in this IA-3.				
CS8392	anand-it	IA Test	28	26	02	22	21%	28	25	03	17	39%	28	25	03	18	36%
		Make up Test															
		Remarks	Students did mistake in the programs					Students are felt difficult in writing progs					Understanding the advanced concepts be little bit difficult				
Signature of QAC members with name			M. Manimuthu (M. manimuthu)					M. Manimuthu (M. manimuthu)					M. Manimuthu (M. manimuthu),				
Signature of HOD			Signed S.A.					Signed S.A.					Signed S.A.				
QAC In-Charge																	
IQAC Co-ordinator																	
Principal																	

Saranathan College of Engineering

QAC - Audit Report

Academic Year :2021-2022 ODD SEMESTER

Sem: ODD

Year/ Sem/Sec	III/V/A																			
			Test I					Test II					Test III							
Subject Code	Name of faculty		No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	Dept		ICE			No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %
EI8551	Vigneswaran-ice	IA Test	44	44	00	24	45%	44	42	02	19	57%						44	43	01	13	70%
		Make up Test																				
		Remarks	After long time students wrote the exam so few students not able to recollect points in answer.					Compare to IA1 IA2 Performance satisfactory. few students Performedmce not satisfactory.														
EI8552	Thirumurugan-ice	IA Test	44	43	01	16	64%	44	42	02	4	91%						44	44	00	00	100%
		Make up Test																				
		Remarks																				
EI8553	Aravind-ice	IA Test	44	43	01	31	30%	44	40	04	08	82%						44	43	01	09	80%
		Make up Test																				
		Remarks	Aster long time students wrote the exam so few students not able to recollect points in answer.																			

EE8551	Malaisamy-ece	IA Test	44	44	00	29	84%	44	40	04	14	68	44	43	01	26	41%
		Make up Test															
		Remarks	Transition from online to offline mode. Question bank materials given					—					MP Subject has programs architectures so few students unable to recollect the subject - motivation given				
EI8093	mercyvasan-mech	IA Test	44	38	06	30	32%	44	41	03	11	75%	44	40	04	06	86%
		Make up Test															
		Remarks	Transition from online to offline mode - Question bank & material given					—					—				
OCE551	Girirajkumar-ice	IA Test	44	43	01	10	77%	44	39	05	08	82%	44	40	04	07	84%
		Make up Test															
		Remarks	—					—					—				
Signature of QAC members with name			H. Hafeelathu (m. mariammathu)					H. Hafeelathu (m. mariammathu)					H. Hafeelathu (m. mariammathu)				
Signature of HOD																	
QAC In-Charge																	
IQAC Co-ordinator																	
Principal																	

Saranathan College of Engineering

QAC - Audit Report

Academic Year :2021-2022 ODD SEMESTER

Year/ Sem/Sec	IV/VII/A													Sem: ODD				
					Test I					Test II					Dept	ICE		
															Test III			
Subject Code	Name of faculty		No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %
EI8751	shanmugavalli-ice	IA Test	42	42	00	00	100%	42	42	00	00	100%	42	41	01	17	60%
		Make up Test															
		Remarks	—					—					—				
EI8091	Seetharaman-ice	IA Test	42	42	00	00	100%	42	42	00	00	100%	42	42	00	21	50%
		Make up Test															
		Remarks	—					—					Students are writing offline test after a long time. So their Performance is poor. will improve in unit test				
EC8093	hariprasath-ece	IA Test	42	42	00	00	100%	42	42	00	00	100%	42	41	01	05	88%
		Make up Test															
		Remarks	—					—					—				
EI8075	Aravind-ice	IA Test															
		Make up Test															

EI8075	Aravind-ice	IA Test	42	42	00	00	100%	42	42	00	00	100%	42	41	01	03	93%
		Make up Test															
		Remarks	—					—				—	—				
EI8692	Ezhilarasi-ice	IA Test	42	42	00	00	100%	42	42	00	00	100%	42	37	05	18	57%
		Make up Test															
		Remarks	—					—					Felt tough - first offline exam.				
OCS752	senthilbalaji-it	IA Test	42	42	00	00	100%	42	42	00	01	98%	42	42	00	05	88%
		Make up Test															
		Remarks	—					—					—				
Signature of QAC members with name			M. Muthulakshmi (m. muthulakshmi)					M. Muthulakshmi (m. muthulakshmi)					M. Muthulakshmi (m. muthulakshmi)				
Signature of HOD			Signed S.A.A					Signed S.A.A					Signed S.A.A				
QAC In-Charge																	
IQAC Co-ordinator																	
Principal																	

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : I Makeup Test : –			
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks	
YEAR/SEM/SEC : II/III/A						
		IA Test	Makeup Test			
1	MA8353	235004, 09	–	–	–	–
2	EC8353	235005, 07	–	–	–	–
3	EE8351	235006, 07	–	–	–	–
4	EI8351	235018, 06,	–	–	–	–
5	EI8352	235007, 20.	–	–	–	–
6	CS8392	235005, 16.	–	–	–	–

VERIFIED BY

1 Y. Hafeeth

2 S.P. Rezwana

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : II		Makeup Test : –	
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks	
YEAR/SEM/SEC : II/III/A						
		IA Test	Makeup Test			
1	MA8353	235024, 14	–	–	–	–
2	EC8353	235004, 09	–	–	–	–
3	EE8351	235028, 09	–	–	–	–
4	EI8351	235002, 03	–	–	–	–
5	EI8352	235009, 24	–	–	–	–
6	CS8392	235003, 18	–	–	–	–

VERIFIED BY

1 M. Ajithkumar

2 S.P. Periyasamy

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : III Makeup Test : —		
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : II/III/A					
		IA Test	Makeup Test		
1	MA8353	235005, 5009	—	—	—
2	EC8353	235009, 12	—	—	—
3	EE8351	235028, 29	—	—	—
4	EI8351	235009, 12	—	—	—
5	EI8352	235003, 15	—	—	—
6	CS8392	235003, 26	—	—	—

VERIFIED BY

1 M. Hafeeth

2

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : I Makeup Test : –			
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks	
YEAR/SEM/SEC : III/V/A						
		IA Test	Makeup Test			
1	EI8551	225013, 40	–	–	–	–
2	EI8552	225005, 42	–	–	–	–
3	EI8553	225011, 10	–	–	–	–
4	EE8551	225009, 15	–	–	–	–
5	EI8093	225025, 20	–	–	–	–
6	OCE551	225001, 11	–	–	–	–

VERIFIED BY

1 M. Mohamed Ali

2 S. P. Periyasamy

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : II		Makeup Test : –	
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks	
YEAR/SEM/SEC : III/V/A						
		IA Test	Makeup Test			
1	EI8551	225019, 25	–	–	–	–
2	EI8552	225007, 15	–	–	–	–
3	EI8553	225008, 09	–	–	–	–
4	EE8551	225003, 09	–	–	–	–
5	EI8093	225004, 20	–	–	–	–
6	OCE551	225028, 04	–	–	–	–

VERIFIED BY

1 M. Muthulakshmi

2 S. P. Jeyanthi

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : III Makeup Test : –			
Sl.No	Subject Code	List of Batch Nos Verified		Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : III/V/A						
		IA Test	Makeup Test			
1	EI8551	225016, 05	–	–	–	–
2	EI8552	225001, 39	–	–	–	–
3	EI8553	225004, 08	–	–	–	–
4	EE8551	225014, 01	–	–	–	–
5	EI8093	225009, 34	–	–	–	–
6	OCE551	225014, 06	–	–	–	–

VERIFIED BY

1 H.M. Hasthu

2 S.P. Jeyaraj

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : I Makeup Test : –			
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks	
YEAR/SEM/SEC : IV/VII/A						
		IA Test	Makeup Test			
1	EI8751	215022, 26	–	–	–	–
2	EI8091	215005, 13	–	–	–	–
3	EC8093	215033, 01	–	–	–	–
4	EI8075	215011, 38	–	–	–	–
5	EI8692	215026, 33	–	–	–	–
6	OCS752	215006, 01	–	–	–	–

VERIFIED BY

1 M. Hafthathan

2 S. P. Kumar

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : II Makeup Test : –			
Sl.No	Subject Code	List of Batch Nos Verified		Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : IV/VII/A						
		IA Test	Makeup Test			
1	EI8751	215034, 38	–	–	–	–
2	EI8091	215033, 41	–	–	–	–
3	EC8093	215001, 33	–	–	–	–
4	EI8075	215006, 10	–	–	–	–
5	EI8692	215026, 25	–	–	–	–
6	OCS752	215010, 24	–	–	–	–

VERIFIED BY

1 H. Mohamed Ali

2 S.P. Periyasamy

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 ODD SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : III Makeup Test : —			
Sl.No	Subject Code	List of Batch Nos Verified		Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : IV/VII/A						
		IA Test	Makeup Test			
1	EI8751	215005, 11	—	—	—	—
2	EI8091	215020, 23	—	—	—	—
3	EC8093	215033, 01	—	—	—	—
4	EI8075	215001, 06	—	—	—	—
5	EI8692	215005, 02	—	—	—	—
6	OCS752	215015, 22	—	—	—	—

VERIFIED BY

1 M. Hafeez Ahmed

2 S. P. Ramya

SIGNATURE WITH DATE OF THE QAC MEMBERS

Saranathan College of Engineering
QAC - Audit Report
Academic Year :2021-2022 EVEN SEMESTER

Year/ Sem/Sec	II/IV/A													Sem: EVEN				
														Dept		ICE		
			Test I					Test II						Test III				
Subject Code	Name of faculty		No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %		No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %
MA8491	revathi-mat	IA Test	28	27	1	8	68%	28	28	0	15	46%		28	28	0	5	28%
		Make up Test						15	15	0	14	93%						
		Remarks	—					More Silly mistakes in Part-B.						Less Concentration in Part A Questions.				
EI8451	Ramprakash-eee	IA Test	28	28	0	12	57%	28	28	0	12	57%		28	12	16	12	57%
		Make up Test						12	12	0	7	42%						
		Remarks	Many students not focussed in PART A					Students didnot answer properly in Part B.						Students didnot answer properly in Part B				
EI8452	banusundareswari-ice	IA Test	28	27	1	11	57%	28	28	0	0	100%		28	27	0	1	96%
		Make up Test						—	—	—	—	—						
		Remarks	Students were not able answer Correctly in Part-B.					—						—				

EE8451	Thirumurugan-ice	IA Test	28	27	1	2	89%	28	28	0	27	96%	28	28	0	0	100%
		Make up Test	–	–	–	–	–	1	1	0	0	100%	–	–	–	–	–
		Remarks	–					–					–				
IC8451	Girirajkumar-ice	IA Test	28	28	0	22	21%	28	28	0	11	61%	28	15	2	5	54%
		Make up Test	–	–	–	–	–	11	11	0	1	91%	–	–	–	–	–
		Remarks	Needs more practice.					–					Variety of problems to be experienced.				
EC8395	mahendran-ece	IA Test	28	27	1	9	64%	28	28	0	16	57%	28	22	Nil	6	79%
		Make up Test	–	–	–	–	–	12	12	0	3	75%	–	–	–	–	–
		Remarks	–					Many students not focussed on PART-A Questions.					–				
Signature of QAC members with name			S.Hariprasath S.Hari					S.Hariprasath S.Hari					S.Hariprasath S.Hari				
Signature of HOD			sign					sign					sign				
QAC In-Charge			S.A.A					S.A.A					S.A.A				
IQAC Co-ordinator																	
Principal																	

Saranathan College of Engineering

QAC - Audit Report

Academic Year :2021-2022 EVEN SEMESTER

Year/ Sem/Sec	III/VI/A													Sem: EVEN				
														Dept		ICE		
			Test I					Test II						Test III				
Subject Code	Name of faculty		No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %		No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %
IC8651	banusundareswari-ice	IA Test	44	43	1	23	45%	44	44	0	7	84%		44	44	0	11	75%
		Make up Test	—	—	—	—	—	7	7	0	1	86%		—	—	—	—	—
		Remarks	Students didnot Prepare well and confused with steps.					NIL						NIL				
EI8651	Seetharaman-ice	IA Test	44	44	0	12	73%	44	44	0	8	82%		44	44	1	4	89%
		Make up Test	—	—	—	—	—	8	8	0	6	25%		—	—	—	—	—
		Remarks	NIL					NIL						NIL				
CS8391	Sheelavathy-it	IA Test	44	43	1	9	77%	44	44	0	6	86%		44	44	0	9	80%
		Make up Test						6	6	0	3	50%						
		Remarks	NIL					NIL						NIL				

EI8092	Thirumurugan-ice	IA Test	44	43	1	0	98%	44	44	0	0	100%	44	44	0	44	100%
		Make up Test	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Remarks	NIL					NIL					NIL				
EE8072	shanmugavalli-ice	IA Test	44	44	0	3	93%	44	44	0	3	93%	44	44	0	3	93%
		Make up Test	-	-	-	-	-	3	3	0	0	100%	-	-	-	-	-
		Remarks	NIL					NIL					NIL				
EE8071	Aravind-ice	IA Test	44	43	1	8	80%	44	44	0	2	95%	44	44	0	3	93%
		Make up Test	-	-	-	-	-	2	2	0	2	0%	-	-	-	-	-
		Remarks	NIL					NIL					NIL				
Signature of QAC members with name			S. Hariprasath S.Hamith					S. Hariprasath S.Hamith					S. Hariprasath S.Hamith				
Signature of HOD																	
QAC In-Charge			S.A.A					S.A.A					S.A.A				
IQAC Co-ordinator																	
Principal																	

Saranathan College of Engineering

QAC - Audit Report

Academic Year :2021-2022 EVEN SEMESTER

Year/ Sem/Sec	IV/VIII/A												Sem: EVEN				
													Dept	ICE			
			Test I					Test II					Test III				
Subject Code	Name of faculty		No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %	No of Students registered	No of students Attended	No of Absentees	No of Failures	Pass %
GE8073	shanmugavalli-ice	IA Test	42	42	0	28	33%	42	42	0	31	26%	41	41	0	39	
		Make up Test	—	—	—	—	—	31	31		25	11.61%	—	—	—	—	—
		Remarks	Total no. of students were only 18					Total no. of students were only 18.					Total no. of students were only 18				
GE8076	Aravind-ice	IA Test	42	42	0	5	88%	42	42	0	10	76%	42	41	1	6	83%
		Make up Test	—	—	—	—	—	-	-	-	-	-	-	-	-	-	-
		Remarks	NIL					NIL					NIL				
Signature of QAC members with name			S.Hariprasath S.Harish					S.Hariprasath S.Harish					S.Hariprasath S.Harish				
Signature of HOD																	
QAC In-Charge			S.A.A					S.A.A					S.A.A				
IQAC Co-ordinator																	
Principal																	

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : I Makeup Test : Nil		
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : II/IV/A					
		IA Test / Makeup Test			
1	MA8491	235007, 11, 05	Y	–	–
2	EI8451	235003, 13, 24.	Y	–	–
3	EI8452	235006, 09, 02	Y	–	–
4	EE8451	235005, 17, 21	Y	–	NIL
5	IC8451	235028, 04, 03	Y	–	–
6	EC8395	235002, 05, 26	Y	–	–

VERIFIED BY

1 S. Hariprasath S. Harish

2 S. Prasanna Perumal. 27/07/22

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT: ICE		DETAILS OF EXAMINATION IA TEST : II Makeup Test : NIL			
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : II/IV/A					
		IA Test / Makeup Test			
1	MA8491	235002, 26, 09 / 235010, 21, 24	Y	-	-
2	EI8451	235008, 09, 17 / 235015, 14, 25	Y	-	-
3	EI8452	235013, 08, 02 / 235013, 08, 19	Y	-	-
4	EE8451	235003, 12, 26 / 235020	Y	-	NIL
5	IC8451	235014, 02, 03 / 235012, 08, 19	Y	-	-
6	EC8395	235003, 09, 17 / 235021, 15, 08	Y	-	-

VERIFIED BY

1 S. Hariprasath S. Harish 7/7/22

2 S. Prasanna Perumal. S. Prasanna -

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT:ICE			DETAILS OF EXAMINATION IA TEST : 3		Makeup Test : NIL
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC :II/IV/A					
		IA Test	Makeup Test		
1	MA8491	235012, 13, 03		y	-	-
2	EI8451	235005, 06, 18.		y	-	-
3	EI8452	235002, 12, 15.		y	-	-
4	EE8451	235003, 09, 26.		y	-	-
5	IC8451	235009, 12, 28.		y	-	-
6	EC8395	235019, 20, 07.		y	-	-

VERIFIED BY

1 S. Hamiprasath S. Hamiprasath 2/7/22

2 S. Prasanna Perumal. S. Prasanna

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : I Makeup Test : NIL		
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : III/VI/A					
		IA Test / Makeup Test			
1	IC8651	225003, 31, 11	y	–	–
2	EI8651	225023, 40, 47	y	–	–
3	CS8391	225017, 27, 09	y	y	–
4	EI8092	225034, 17, 04	y	–	–
5	EE8072	225009, 10, 36	y	–	–
6	EE8071	225001, 225020, 28	y	–	–

VERIFIED BY

1 S.Thanipoarsath S.Thanish 7/7/22

2 S.Prassanna Perumal. S.P.Perumal

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT: ICE		DETAILS OF EXAMINATION IA TEST : II Makeup Test : II			
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : III/VI/A					
		IA Test	Makeup Test		
1	IC8651	225008, 21, 09	225006, 24, 45	Y	–	NIL
2	EI8651	225012, 41, 47	225019, 21, 36	Y	–	NIL
3	CS8391	225043, 29, 08	225007, 10, 18	Y	–	NIL
4	EI8092	225040, 23, 10	–	Y	–	NIL
5	EE8072	225036, 09, 45	225010, 38, 39,	Y	–	NIL
6	EE8071	225003, 05, 10	225010, 18,	Y	–	NIL

VERIFIED BY

1 S. Harinarayanan S. Harinarayanan 7/7/22

2 S. Prasanna Perumal. S. Perumal

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT:ICE		DETAILS OF EXAMINATION IA TEST : 3			Makeup Test : NIL
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC :III/VI/A					
		IA Test	Makeup Test		
1	IC8651	225013, 25, 11	-	y	-	-
2	EI8651	225006, 17, 39	-	y	-	-
3	CS8391	225014, 31, 17	-	y	-	-
4	EI8092	225001, 16, 40	-	y	-	-
5	EE8072	225004, 36, 47.	-	y	-	-
6	EE8071	225004, 03, 05	-	y	-	-

VERIFIED BY

1 S. Hariprasath S. Harish 7/7/22

2 S. Prasanna Perumal.

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT: ICE			DETAILS OF EXAMINATION IA TEST : 1 Makeup Test : NIL			
Sl.No	Subject Code	List of Batch Nos Verified		Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : IV/VIII/A						
		IA Test	Makeup Test			
1	GE8073	21501, 36, 16	–	y	–	–
2	GE8076	21502, 01, 02	–	y	–	–

VERIFIED BY

1 S. Hariprasath S.Harish 7/7/22

2 S. Prassanna perumal. S.P.Perumal

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT: ICE		DETAILS OF EXAMINATION IA TEST : 2 Makeup Test : 2			
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : IV/VIII/A					
		IA Test	Makeup Test		
1	GE8073	215013, 29, 09	215031, 32, 03	y	–
2	GE8076	215026, 03, 04	215009, 24, 04	y	–

VERIFIED BY

1 S. Hariprasath S. HARIPRASATH

2 S. Prasanna 7/7/2022 Perumal. S. P. Perumal

SIGNATURE WITH DATE OF THE QAC MEMBERS

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI – 12
QAC – QUALITY ASSESSMENT CELL
ACADEMIC YEAR: 2021-2022 EVEN SEMESTER

NAME OF THE DEPARTMENT: ICE		DETAILS OF EXAMINATION IA TEST : 3 Makeup Test : NIL			
Sl.No	Subject Code	List of Batch Nos Verified	Subject Log book Verified [Y/N]	Assignments Verified [Y/N]	Remarks
YEAR/SEM/SEC : IV/VIII/A					
		IA Test	Makeup Test		
1	GE8073	215031, 09, 06	–	y	–
2	GE8076	215020, 38, 15	–	y	–

VERIFIED BY

1 S. Hamida S. Hariprasath 7/7/2022

2 S Prabanna Perumal. S. Perumal

SIGNATURE WITH DATE OF THE QAC MEMBERS

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (ICE)**
Subject Code : **EI8751** NBA Code : **C403** Title **INDUSTRIAL DATA NETWORKS**
Faculty: Dr.M.Shanmugavalli

Cos	CO Description	Attained Level	%
403.1	Infer knowledge on the basic concepts of data networks.	2.55	85.00
403.2	Define the basics concepts of internetworking and serial communications.	2.57	85.67
403.3	Describe the uses of HART and Field buses in process industries.	2.48	82.67
403.4	Recognize the importance of MODBUS, PROFIBUS and other communication protocol.	2.5	83.33
403.5	Identify the importance and applications of foundation fieldbus	2.52	84.00
403.6	Exhibit the concept of industrial Ethernet and wireless communication techniques.	2.45	81.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 42

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
215001	EI8751	3	3	2	2	3	3	30/03/2022	ICE	7
215002	EI8751	2	3	3	3	3	2	30/03/2022	ICE	7
215003	EI8751	3	3	3	3	3	3	30/03/2022	ICE	7
215004	EI8751	2	3	2	2	2	2	30/03/2022	ICE	7
215005	EI8751	2	3	2	2	2	2	30/03/2022	ICE	7
215006	EI8751	2	2	2	3	2	2	30/03/2022	ICE	7
215007	EI8751	2	2	3	3	3	2	30/03/2022	ICE	7
215008	EI8751	3	2	3	2	2	2	30/03/2022	ICE	7
215009	EI8751	3	3	3	3	2	2	30/03/2022	ICE	7
215010	EI8751	3	3	2	2	3	3	30/03/2022	ICE	7
215011	EI8751	2	3	3	2	3	2	30/03/2022	ICE	7
215012	EI8751	3	2	3	2	3	3	30/03/2022	ICE	7
215013	EI8751	3	2	3	2	2	2	30/03/2022	ICE	7
215014	EI8751	3	2	3	3	2	3	30/03/2022	ICE	7
215015	EI8751	2	3	2	3	2	3	30/03/2022	ICE	7
215016	EI8751	3	3	3	2	2	3	30/03/2022	ICE	7
215017	EI8751	2	2	2	3	3	3	30/03/2022	ICE	7
215018	EI8751	2	3	3	2	2	2	30/03/2022	ICE	7
215019	EI8751	3	3	2	3	3	3	30/03/2022	ICE	7
215020	EI8751	2	2	2	3	2	3	30/03/2022	ICE	7
215021	EI8751	2	2	3	3	3	2	30/03/2022	ICE	7
215022	EI8751	3	2	2	2	2	3	30/03/2022	ICE	7
215023	EI8751	2	2	2	2	3	2	30/03/2022	ICE	7
215024	EI8751	2	3	3	3	2	3	30/03/2022	ICE	7
215025	EI8751	3	3	2	2	2	3	30/03/2022	ICE	7
215026	EI8751	3	2	2	3	2	2	30/03/2022	ICE	7
215027	EI8751	2	3	3	2	2	2	30/03/2022	ICE	7
215028	EI8751	3	2	2	3	3	3	30/03/2022	ICE	7
215029	EI8751	3	2	2	2	3	3	30/03/2022	ICE	7
215030	EI8751	3	3	2	3	3	3	30/03/2022	ICE	7
215031	EI8751	3	2	2	3	3	3	30/03/2022	ICE	7
215032	EI8751	3	3	3	2	2	2	30/03/2022	ICE	7
215033	EI8751	3	3	3	3	3	2	30/03/2022	ICE	7
215034	EI8751	2	3	2	2	2	2	30/03/2022	ICE	7
215035	EI8751	2	2	2	2	2	2	30/03/2022	ICE	7
215036	EI8751	3	3	3	2	3	2	30/03/2022	ICE	7
215037	EI8751	3	3	3	3	3	2	30/03/2022	ICE	7
215038	EI8751	3	3	2	2	3	2	30/03/2022	ICE	7

215039	EI8751	2	2	2	3	3	3	30/03/2022	ICE	7
215040	EI8751	2	2	3	2	3	2	30/03/2022	ICE	7
215041	EI8751	3	3	3	3	2	3	30/03/2022	ICE	7
215042	EI8751	2	3	2	3	3	2	30/03/2022	ICE	7
Attained Level		2.55	2.57	2.48	2.5	2.52	2.45			
%		85.00	85.67	82.67	83.33	84.00	81.67			

H.O.D. (ICE)
Saranathan College of Engg.,
Trichirapalli - 620 012.

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (ICE)**
Subject Code : **EI8075** NBA Code : **C404-E31** Title **FIBRE OPTICS AND LASER INSTRUMENTATION**
Faculty: Dr.P.Aravind

Cos	CO Description	Attained Level	%
C404-E31.1	Understand the principle, transmission, dispersion and attenuation characteristics of optical fibers	2.48	82.67
C404-E31.2	Acquire knowledge on the concepts of waves and optical devices and their applications in fibre optics	2.48	82.67
C404-E31.3	Apply the gained knowledge on optical fibers for its use as communication medium.	2.67	89.00
C404-E31.4	Gained knowledge optical fibre as a sensor which have important applications in production, manufacturing industrial and biomedical applications.	2.5	83.33
C404-E31.5	Understand laser theory and laser generation system.	2.57	85.67
C404-E31.6	Students will gain ability to apply laser theory for the selection of lasers for a specific Industrial and medical application.	2.5	83.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 42

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
215001	EI8075	2	2	2	3	2	2	30/03/2022	ICE	7
215002	EI8075	2	3	3	2	2	2	30/03/2022	ICE	7
215003	EI8075	3	3	2	3	2	3	30/03/2022	ICE	7
215004	EI8075	3	3	2	2	3	2	30/03/2022	ICE	7
215005	EI8075	3	2	2	3	3	2	30/03/2022	ICE	7
215006	EI8075	3	3	3	2	2	3	30/03/2022	ICE	7
215007	EI8075	2	2	3	3	2	3	30/03/2022	ICE	7
215008	EI8075	2	3	3	2	2	3	30/03/2022	ICE	7
215009	EI8075	3	2	3	3	2	2	30/03/2022	ICE	7
215010	EI8075	2	3	3	3	3	2	30/03/2022	ICE	7
215011	EI8075	2	3	3	3	3	3	30/03/2022	ICE	7
215012	EI8075	2	2	3	2	3	3	30/03/2022	ICE	7
215013	EI8075	3	2	3	3	2	3	30/03/2022	ICE	7
215014	EI8075	2	2	3	2	3	2	30/03/2022	ICE	7
215015	EI8075	3	3	3	2	2	3	30/03/2022	ICE	7
215016	EI8075	3	2	3	3	3	2	30/03/2022	ICE	7
215017	EI8075	2	2	3	3	3	3	30/03/2022	ICE	7
215018	EI8075	3	2	3	2	3	3	30/03/2022	ICE	7
215019	EI8075	2	2	2	2	3	2	30/03/2022	ICE	7
215020	EI8075	2	3	2	2	2	3	30/03/2022	ICE	7
215021	EI8075	3	2	3	3	3	2	30/03/2022	ICE	7
215022	EI8075	3	3	3	2	2	3	30/03/2022	ICE	7
215023	EI8075	3	3	3	2	3	2	30/03/2022	ICE	7
215024	EI8075	3	3	3	2	3	3	30/03/2022	ICE	7
215025	EI8075	3	2	2	3	3	3	30/03/2022	ICE	7
215026	EI8075	3	2	2	2	2	2	30/03/2022	ICE	7
215027	EI8075	2	2	2	2	3	2	30/03/2022	ICE	7
215028	EI8075	3	3	3	2	3	2	30/03/2022	ICE	7
215029	EI8075	2	2	3	3	3	3	30/03/2022	ICE	7
215030	EI8075	3	3	2	3	3	3	30/03/2022	ICE	7
215031	EI8075	3	3	2	2	2	3	30/03/2022	ICE	7
215032	EI8075	2	3	2	2	2	2	30/03/2022	ICE	7
215033	EI8075	2	3	3	3	3	2	30/03/2022	ICE	7

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215034	EI8075	2	2	2	2	3	3	30/03/2022	ICE	7
215035	EI8075	2	2	3	3	2	2	30/03/2022	ICE	7
215036	EI8075	3	2	3	2	2	2	30/03/2022	ICE	7
215037	EI8075	3	3	3	2	3	3	30/03/2022	ICE	7
215038	EI8075	2	3	3	3	2	2	30/03/2022	ICE	7
215039	EI8075	2	3	3	3	2	3	30/03/2022	ICE	7
215040	EI8075	2	2	3	3	3	3	30/03/2022	ICE	7
215041	EI8075	2	2	3	3	3	2	30/03/2022	ICE	7
215042	EI8075	2	2	2	3	3	2	30/03/2022	ICE	7
Attained Level		2.48	2.48	2.67	2.5	2.57	2.5			
%		82.67	82.67	89.00	83.33	85.67	83.33			

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SARANATHAN COLLEGE OF ENGINEERING

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Faculty Feedback on Syllabus

[1] Personal Information

Name of the Faculty : R. SEETHARAMAN

Designation : AP Department : ICE

Course Code and Name : EI8091 & INSTRUMENTATION IN PETROCHEMICAL INDUSTRIES

Year / Semester / Branch : IV / VII / ICE

AU - Regulation : 2017

Academic year / ODD or EVEN : 2021-2022 / ODD

[2] Choose appropriate option against each question
(Please rate your preference) (Please kindly encircle your choice)
Disagree (DA) – 0; Partially Agree (PA) – 1; Agree (A) -2; Strongly Agree (SA) – 3;

a) The syllabus is designed to bridge the gap between academics and industry

0 1 (2) 3

b) The syllabus is designed to bridge the gap between Theory and Practical

0 1 2 (3)

c) The syllabus can be completed within the prescribed times limits

0 1 2 (3)

d) The syllabus covers modern & advanced topics

0 1 2 (3)

e) The objectives of the syllabus is clearly indicated

0 1 (2) 3

f) The contents are challenging to teach

0 1 (2) 3

g) The syllabus is designed in a way to improve Employability index

0 1 2 (3)

[3] Content Beyond the Syllabus added if any: Yes / No

If yes, mention the Content beyond the Syllabus added in this course

PLC Applications in Petrochemical Industries

R. Seetharaman
SIGNATURE

H.O.D. (ICE)
Saranathan College of Engg.
Trichirapalli - 620 012

SARANATHAN COLLEGE OF ENGINEERING

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Faculty Feedback on Syllabus

[1] Personal Information

Name of the Faculty : M SHANMUGAVALLI

Designation : Professor Department : ICE

Course Code and Name : EI8751 - Industrial Data Networks

Year / Semester / Branch : IV / VII / ICE

AU - Regulation : R2017

Academic year / ODD or EVEN : ODD (2021-22)

[2] Choose appropriate option against each question

(Please rate your preference) (Please kindly encircle your choice)

Disagree (DA) – 0; Partially Agree (PA) – 1; Agree (A) -2; Strongly Agree (SA) – 3;

a) The syllabus is designed to bridge the gap between academics and industry

0 1 2 ✓3

b) The syllabus is designed to bridge the gap between Theory and Practical

0 1 2 ✓3

c) The syllabus can be completed within the prescribed times limits

0 1 2 ✓3

d) The syllabus covers modern & advanced topics

0 1 2 ✓3

e) The objectives of the syllabus is clearly indicated

0 1 2 ✓3

f) The contents are challenging to teach

0 1 2 ✓3

g) The syllabus is designed in a way to improve Employability index

0 1 2 ✓3

[3] Content Beyond the Syllabus added if any: ~~Yes~~ / ~~No~~

If yes, mention the Content beyond the Syllabus added in this course

Real time application of any process parameter

M Shanmugavalli
SIGNATURE

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Trichirapalli - 620 012.

SARANATHAN COLLEGE OF ENGINEERING

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Faculty Feedback on Syllabus

[1] Personal Information

Name of the Faculty : P.ARAVIND

Designation : ASSISTANT PROFESSOR Department : ICE

Course Code and Name : EE8071 / APPLIED SOFTCOMPUTING

Year / Semester / Branch : III / VI / ICE

AU - Regulation : R2017

Academic year / ODD or EVEN : 2021-2022 (EVEN)

[2] Choose appropriate option against each question
(Please rate your preference) (Please kindly encircle your choice)
Disagree (DA) – 0; Partially Agree (PA) – 1; Agree (A) -2; Strongly Agree (SA) – 3;

a) The syllabus is designed to bridge the gap between academics and industry

0 1 2 3 ✓

b) The syllabus is designed to bridge the gap between Theory and Practical

0 1 2 3 ✓

c) The syllabus can be completed within the prescribed times limits

0 1 2 3 ✓

d) The syllabus covers modern & advanced topics

0 1 2 3 ✓

e) The objectives of the syllabus is clearly indicated

0 1 2 3 ✓

f) The contents are challenging to teach

0 1 2 ✓ **3**

g) The syllabus is designed in a way to improve Employability index

0 1 2 3 ✓

[3] Content Beyond the Syllabus added if any: Yes / ~~No~~

If yes, mention the Content beyond the Syllabus added in this course

SIGNATURE

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Trichirapalli - 620 012.

SARANATHAN COLLEGE OF ENGINEERING

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Faculty Feedback on Syllabus

[1] Personal Information

Name of the Faculty : M. Banu Sundareswari

Designation : AP Department : ICE

Course Code and Name : IC8651 - Advanced Control Systems

Year / Semester / Branch : III / VI / ICE

AU - Regulation : R2017

Academic year / ODD or EVEN : 2021 Even (2021-22 Even)

[2] Choose appropriate option against each question
(Please rate your preference) (Please kindly encircle your choice)
Disagree (DA) – 0; Partially Agree (PA) – 1; Agree (A) -2; Strongly Agree (SA) – 3;

a) The syllabus is designed to bridge the gap between academics and industry

0 (1) 2 3

b) The syllabus is designed to bridge the gap between Theory and Practical

0 1 (2) 3

c) The syllabus can be completed within the prescribed times limits

0 1 (2) 3

d) The syllabus covers modern & advanced topics

0 1 (2) 3

e) The objectives of the syllabus is clearly indicated

0 1 2 (3)

f) The contents are challenging to teach

0 1 (2) 3

g) The syllabus is designed in a way to improve Employability index

0 1 (2) 3

[3] Content Beyond the Syllabus added if any: Yes / No - NO

If yes, mention the Content beyond the Syllabus added in this course

29/8/22
SIGNATURE

H.O.D. (ICE)
Saranathan College of Engg.
Trichirapalli - 620 012

Date: 27.07.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2021 – December 2021 (ODD SEMESTER)*

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III, V, VII	18.08.2021	30.11.2021**	02.12.2021	13.12.2021
2.	B.E. / B.Tech (Part-Time)	III, V, VII				
3.	B.Arch. (Full-Time)	III, V, VII, IX				
4.	M.C.A. (Full-Time)	V				
5.	M.Sc (5 Yrs-Integrated)	V, VII, IX				
6.	M.B.A. (5 Yrs-Integrated)	V, VII, IX				

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE - OPENING DAY FOR THE NEXT SEMESTER: 19.01.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following 7 Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	28.08.2021	Friday
2.	11.09.2021	Monday
3.	25.09.2021	Friday
4.	09.10.2021	Thursday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	23.10.2021	Friday
6.	06.11.2021	Tuesday
7.	20.11.2021	Thursday

27.07.2021

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 25.10.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2021 – March 2022 (SEMESTER I)

UG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	08.11.2021	22.11.2021	08.03.2022	10.03.2022	21.03.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 18.04.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 04.03.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

March 2022 – June 2022 (Even Semester – Except Semester II)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	16.03.2022	16.06.2022**	18.06.2022	28.06.2022
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				

RE - OPENING DAY FOR THE NEXT SEMESTER: 10.08.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	19.03.2022	Tuesday
2.	26.03.2022	Wednesday
3.	09.04.2022	Thursday
4.	23.04.2022	Friday
5.	30.04.2022	Tuesday
6.	07.05.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	14.05.2022	Tuesday
8.	21.05.2022	Wednesday
9.	28.05.2022	Thursday
10.	04.06.2022	Friday
11.	11.06.2022	Monday

04/03/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 22.08.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III	22.08.2022	08.12.2022	10.12.2022	21.12.2022
2.	B.Arch. (Full-Time)	III				
3.	B.E. / B.Tech (Part-Time)	III				
4.	M.B.A. (5 Yrs-Integrated)	III				
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	21.12.2022	02.01.2023

RE - OPENING DAY FOR THE NEXT SEMESTER: 30.01.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

22/08/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 21.07.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (ODD SEMESTER – Except Semester III)

UG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	V, VII	10.08.2022	19.11.2022**	21.11.2022	01.12.2022
2.	B.E. / B.Tech (Part-Time)	V, VII				
3.	B.Arch. (Full-Time)	V, VII, IX				

RE - OPENING DAY FOR THE NEXT SEMESTER: 26.12.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.08.2022	Monday
2.	03.09.2022	Friday
3.	17.09.2022	Wednesday
4.	15.10.2022	Tuesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	29.10.2022	Wednesday
6.	05.11.2022	Monday
7.	12.11.2022	Tuesday
8.	19.11.2022	Wednesday

21.07.2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 21.03.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

April 2022 – July 2022 (Semester II)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	04.04.2022	04.07.2022**	06.07.2022	18.07.2022
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.B.A. (Full-Time & Part-Time)	II				
5.	M.B.A. (5 Yrs-Integrated)	II				

RE - OPENING DAY FOR THE NEXT SEMESTER: 22.08.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	09.04.2022	Thursday
2.	23.04.2022	Friday
3.	30.04.2022	Tuesday
4.	07.05.2022	Monday
5.	14.05.2022	Tuesday
6.	21.05.2022	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	28.05.2022	Thursday
8.	04.06.2022	Friday
9.	11.06.2022	Monday
10.	18.06.2022	Tuesday
11.	25.06.2022	Wednesday
12.	02.07.2022	Thursday

21/3/22

DIRECTOR i/c
ACADEMIC COURSES

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED			
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday			04	MON		I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE		II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE		I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED		II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE		II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE		II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON		III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED		V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI		II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

Principal

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR'22	DAY	DETAILS	Day order	working days	APR'22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON		IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Holiday			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Holiday			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				28	32				22	54				14	68
																	Total No.of working days for the semester :	68	

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR' 22	DAY	DETAILS	Day order	working days	APR' 22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON		IV	14	04	WED	IST CC Meeting	III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON	Webinar on Social Media data Analyties Using Recent Tools	IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Graduation Day -2019 Holiday			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Graduation Day -2020 Holiday			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED	Webinar on IOT-Smart Systems	IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON	2nd CC Meeting	III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON	Wbinar on Higher Education on Abroad-Challenges and opportunities	III	28	25	WED	Webinar on Big Data Learning Analytics	V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI	Webinar on Generative Adversarial Networks (GANs)	II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				20	32				22	54				14	68
																	Total No.of working days for the semester :	68	

HoD

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED	Ist CC meeting	IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED	Revision class		
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Revision/Unit test-1		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI	Revision class		
04	WED				04	SAT	Holiday			04	MON	2nd CC meeting	I	31	04	THU	Deepavali - Holiday			04	SAT	Revision/Unit test-2		
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE		II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON	Revision/Unit test-3		
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day/Revision		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED	Revision class		
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE		I	51	09	THU	Revision class		
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED	Paper Presentation	II	52	10	FRI	Revision/Unit test-4		
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT	Revision class		
12	THU	International Youth Day			12	SUN	Holiday			12	TUE		II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Revision/Unit test-5		
14	SAT	Holiday			14	TUE		II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE	Revision class		
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED	Revision/Unit test-6		
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU	Revision class		
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI	Revision class		
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	Mini Project	III	58	18	SAT	Holiday		
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON	Model Exam-1		
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE	Revision class		
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	Java coding &challenge contest	II	42	22	MON		V	60	22	WED	Model Exam-2		
23	MON		III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE		I	61	23	THU	Revision class		
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED		II	62	24	FRI	Model Exam-3		
25	WED		V	5	25	SAT	IA Test 1			25	MON	Java coding	III	43	25	THU		III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Syllabus completion	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED		V	45	27	SAT	Holiday			27	MON	Model Exam-4		
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE	Revision class		
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI		II	47	29	MON	Lab record work completion	V	65	29	WED	Model Exam-5		
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU	Revision class		
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI	Model Exam-6		
No. of Working days			8	8				21	29				18	47				19	66				25	91
																	Total No.of working days for the semester :		91					

HoD

H.O.D (I/C)
Saranathan College of Engg.,
Trichirapalli - 620 012.

SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012
Department of Information Technology
WORKLOAD - ALLOCATION FOR THE ACADEMIC YEAR 2021-2022(ODD)

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY/ LAB	HOURS	TOTAL HOURS
1	Dr. V. Punitha	Cryptography and Network Security	CS8792	IV/VII	Theory	6	6
2	Ms. N. Bhavani	Software Project Management	IT8075	IV/VII	Theory	6	17
		Software Engineering	CS8494	III/V	Theory	5	
		Security Laboratory	IT8761	IV/VII	Lab	6	
3	Ms. J. Sangeetha Priya	Computer Networks	CS8591	III/V	Theory	4	19
		Problem Solving and Python Programming	GE8151	I/I	Theory	5	
		Networks Laboratory	CS8581	III/V	Lab	6	
		Problem Solving and Python Programming Lab	GE8161	I/I	Lab	4	
4	Mr. V. Senthil Balaji	Hospital Management	OBM752	IV/VII	Theory	5	16
		Introduction to C Programming (ICE)	OCS752	IV/VII	Theory	5	
5	Mr. P. Anand	Geographic Information System	OCE552	III/V	Theory	4	19
		Object Oriented Programming (ICE)	CS8392	II/III	Theory	5	
		Object Oriented Programming Laboratory (ICE)	CS8383	II/III	Lab	6	
		Problem Solving and Python Programming Lab	GE8161	I/I	Lab	4	
6	Mr. R. Rengaraj@ Muralidharan	Cloud Computing	CS8791	IV/VII	Theory	6	17
		Web Technology	IT8501	III/V	Theory	5	
		FOSS and Cloud Computing Laboratory	IT8711	IV/VII	Lab	6	
7	Ms. A. Sheelavathi	Data Structures	CS8391	II/III	Theory	6	17
		Computer Architecture and Organization (ECE)	EC8552	III/V	Theory	5	
		Data Structure Laboratory	CS8381	II/III	Lab	6	
8	Ms. M. Padmapriya	Human Computer Interaction	CS8079	IV/VII	Theory	6	19
		Computer Architecture and Organization (ECE)	EC8552	III/V	Theory	5	
		Problem Solving and Python Programming Lab	GE8161	I/I	Lab	4	

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		Problem Solving and Python Programming Lab	GE8161	I/I	Lab	4	
9	Mr. V. Manoj Kumar	Object Oriented Programming	CS8392	II/III	Theory	6	19
		Problem Solving and Python Programming	GE8151	I/I	Theory	5	
		Object Oriented Programming Laboratory	CS8383	II/III	Lab	6	
		Training & Placement	T&P	III/V	Theory	2	
10	Ms.K.Muthukarupaee	Web Technology Laboratory	IT8511	III/V	Lab	6	
						Total	149

1. A.

2. R.Ranjaroy

Timetable Coordinator HoD/IT Principal

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SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012
Department of Information Technology
WORKLOAD -ALLOCATION FOR THE ACADEMIC YEAR 2021-2022(EVEN)

Date:01.03.22

S.NO	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY/ LAB	HOURS	TOTAL HOURS
1	Dr.V.Punitha Prof.	Design and analysis of algorithms	CS8451	II/IV	THEORY	3	3
2	Ms.N.Bhavani Assoc.Prof.	Professional Ethics in Engineerig	GE8076	III/VI	THEORY	2	11
		Data Structures Design	AD3251	I/II	THEORY	3	
		Data Structures Design Laboratory	AD3271	I/II	LAB	3	
		Programming in C Lab	CS3271	I/II	LAB	3	
3	Ms.J.Sangeetha Priya Asst.Prof	Computer Graphics and Multimedia	CS8092	III/VI	THEORY	3	9
		Computer Architecture	CS8491	II/IV	THEORY	3	
		Mini Project	IT8611	III/VI	LAB	3	
4	Mr.V.Senthil Balaji Asst.Prof	Electronic Commerce	IT8005	IV/VIII	THEORY	3	9
		Data Structures Lab	CS8381	III/VI-ICE	LAB	6	
5	Mr.P.Anand Asst.Prof	Big Data Analytics	CS8091	III/VI	THEORY	3	12
		Programming in C	CS3251	I/II	THEORY	3	
		Programming in C Lab	CS3271	I/II	LAB	3	
		Data Structures Design Laboratory	AD3271	I/II	LAB	3	
6	Mr.R.Rengaraj @ Muralidharan Asst. Prof.	Computational Intelligence	IT8601	III/VI	THEORY	3	12
		Database Management Systems	CS8492	II/IV	THEORY	3	
		Database Management Systems Lab	CS8481	II/IV	LAB	6	
7	Ms.A.Sheelavathi Asst. Prof.	Object Oriented Analysis and Design	CS8592	III/VI	THEORY	3	13
		Data Structures	CS8391	III/VI-ICE	THEORY	4	
		Object Oriented Analysis and Design Lab	CS8582	III/VI	LAB	6	
8	Ms. M.Padmapriya Asst. Prof.	Software Testing	IT8076	III/VI	THEORY	3	6
		Operating Systems	CS8493	II/IV	THEORY	3	
		Project Work / Project Co-ordinator	IT8811	IV/VIII	LAB		
9	Mr. V.Manojkumar Asst. Prof.	Mobile Communication	IT8602	III/VI	THEORY	3	10
		Mobile Application Development Lab	CS8662	III/VI	LAB	6	
		Training and Placement	T&P	III/VI	THEORY	1	
10	Ms. K.Muthukarupaee Asst. Prof.	Operating Systems Lab	CS8461	II/IV	LAB	6	6
					Total		91

Timetable Coordinators

HoD/IT 01/03/2022

Principal

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SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF INFORMATION TECHNOLOGY

REVIEW OF COURSE FILE- CS8591 COMPUTER NETWORKS

S.No.	Details Date:	Remarks
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy	✓
2.	Timetable/Workload of the Staff – Distribution of teaching load	✓
3.	Syllabus	✓
4.	Lecture Schedule signed by Staff &HoD	✓
5.	Course Committee meeting circular and minutes	✓
6.	Identification of Curricular gap and Content Beyond the syllabus	✓
7.	Previous AU Question papers(at least 5)	✓
8.	Unit wise Q&A	✓
9.	Unit wise course material	✓
10.	Assignment question paper with sample answer sheets (at least 3)and mark entry	✓
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course)and mark entry – for subjects with 4 credits	
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry	✓
13.	IA Test- Performance analysis-evidence-root cause analysis.	✓
14.	Makeup Test –Q paper-Attendance-marks -sample answer papers	
15.	Special class/coaching class/remedial class/attendance	✓
16.	Conduct of Seminar, ~~Quizzes~~ – proof	✓
17.	Content beyond the syllabus – proof	✓
18.	Course end survey	✓
19.	Internal Assessment sheet	✓
20.	AU question paper with students feedback	✓
21.	AU result analysis- Details of arrear students, toppers	
22.	AU grade sheet	
23.	CO – PO & PSO attainment sheet	
	Signature of Course handling faculty	
	Signature of HOD	

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF INFORMATION TECHNOLOGY

REVIEW OF COURSE FILE-CS8092 GRAPHICS AND MULTIMEDIA

S.No.	Details Date:	Remarks
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy	✓
2.	Timetable/Workload of the Staff – Distribution of teaching load	✓
3.	Syllabus	✓
4.	Lecture Schedule signed by Staff &HoD	✓
5.	Course Committee meeting circular and minutes	✓
6.	Identification of Curricular gap and Content Beyond the syllabus	✓
7.	Previous AU Question papers(at least 5)	✓
8.	Unit wise Q&A	✓
9.	Unit wise course material	✓
10.	Assignment question paper with sample answer sheets (at least 3)and mark entry	
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course)and mark entry – for subjects with 4 credits	
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry	✓
13.	IA Test- Performance analysis-evidence-root cause analysis.	✓
14.	Makeup Test –Q paper-Attendance-marks -sample answer papers	✓
15.	Special class/coaching class/remedial class/attendance	
16.	Conduct of Seminar, Quizzes – proof	
17.	Content beyond the syllabus – proof	
18.	Course end survey	
19.	Internal Assessment sheet	
20.	AU question paper with students feedback	
21.	AU result analysis- Details of arrear students, toppers	
22.	AU grade sheet	
23.	CO – PO & PSO attainment sheet	
	Signature of Course handling faculty	
	Signature of HOD	

SARANATHAN COLLEGE OF ENGINEERING

Department of Information Technology

Regulation:2017

Sub. Code / Name	: CS8591 / COMPUTER NETWORKS	12-08-2021
Degree / Branch	: B.Tech. / IT	
Year / Semester	: III / V	
Section / Strength	: A /61	
Staff Name	: J.Sangeethapriya, Asst.prof/IT	

UNIT I INTRODUCTION AND PHYSICAL LAYER Networks – Network Types – Protocol Layering – TCP/IP Protocol suite – OSI Model – Physical Layer: Performance – Transmission media – Switching – Circuit-switched Networks – Packet Switching.

S. No	Topics to be covered	Reference	Hours	Teaching Method
1.	Networks	1-Ch. 1;Pg. 1-13	1	ONLINE/PPT
2.	Network Types	1-Ch. 1;Pg. 13-15		ONLINE/PPT
3.	Protocol Layering	1-Ch. 1;Pg. 19-21		ONLINE/PPT
4.	TCP/IP Protocol suite	1-Ch. 2;Pg. 42-45		ONLINE/PPT
5.	OSI Model	1-Ch. 2;Pg. 29-33	2	ONLINE/PPT
6.	Physical Layer: Performance (Bandwidth, Throughput, Latency(Delay), Bandwidth-Delay Product , Jitter)	1-Ch. 3;Pg. 89-94	1	ONLINE/PPT
7.	Transmission media – Guided Media and UnGuided Media	1-Ch. 7;Pg. 191-207	1	ONLINE/PPT
8.	Switching	1-Ch. 8;Pg. 213	1	ONLINE/PPT
9.	Circuit Switched Networks	1-Ch. 8;Pg. 214-218		ONLINE/PPT
10.	Datagram Networks	1-Ch. 8;Pg. 218-221	1	ONLINE/PPT
11.	Virtual Circuit Networks	1-Ch. 8;Pg. 221-227,	1	ONLINE/PPT
12.	Structure of a switch – structure of circuit switches and structure of packet switches	1-Ch. 8;Pg. 227-235	1	ONLINE/PPT

UNIT II DATA-LINK LAYER & MEDIA ACCESS Introduction – Link-Layer Addressing – DLC Services – Data-Link Layer Protocols – HDLC – PPP - Media Access Control - Wired LANs: Ethernet - Wireless LANs – Introduction – IEEE 802.11, Bluetooth – Connecting Devices.

S.No	Topics to be covered	Reference	Hours	Teaching Method
13.	Introduction	RF5-Ch. 5;Pg. 434-437	1	ONLINE/PPT
14.	Link-Layer Addressing	RF5-Ch. 5;Pg. 462-463 1-Ch. 2 Pg. 45-50		ONLINE/PPT
15.	DLC Services	RF1-Ch. 2; Pg. 71-81		ONLINE/PPT
16.	Framing-Byte-Oriented Protocols, Bit-Oriented Protocols, Clock-Based Framing	RF1-Ch. 2;Pg. 81-91 1-Ch. 11; Pg. 307 – 308	2	ONLINE/PPT
17.	Error Detection-Two-Dimensional Parity, Internet Checksum	RF1-Ch.2;Pg.91-96 1-Ch. 10; Pg. 298-299	3	ONLINE/PPT
18.	Cyclic Redundancy Check	RF1-Ch.2;Pg.97-101 1-Ch. 10; Pg. 284-297		ONLINE/PPT
19.	Flow control-Stop-and-Wait, Stop and Wait ARQ	RF1-Ch. 2;Pg. 102-105 1-Ch. 11; Pg. 311 – 339	1	ONLINE/PPT
20.	Sliding Window	RF1-Ch. 2;Pg. 106-117	2	ONLINE/PPT
21.	HDLC	1-Ch. 11; Pg. 340-345	2	ONLINE/PPT
22.	PPP	1-Ch. 11; Pg. 346-356		ONLINE/PPT
23.	Media Access Control	RF1-Ch. 2;Pg. 119-121	1	ONLINE/PPT
24.	Access Protocol	RF1-Ch. 2;Pg. 122-126 1-Ch. 12; Pg. 363-389	2	ONLINE/PPT
25.	Wired LANs	1-Ch. 13; Pg. 395-416		ONLINE/PPT
26.	Wireless LANs – Introduction – IEEE 802.11, Bluetooth.	1-Ch. 14; Pg. 421-441		ONLINE/PPT
27.	Connecting Devices	1-Ch. 15; Pg. 445-455		ONLINE/PPT

UNIT III NETWORK LAYER network Layer Services – Packet switching – Performance – IPV4 Addresses – Forwarding of IP Packets - Network Layer Protocols: IP, ICMP v4 – Unicast Routing Algorithms – Protocols – Multicasting Basics – IPV6 Addressing – IPV6 Protocol.

S.No	Topics to be covered	Reference	No of Hours	Teaching Method
28.	Network Layer Services	1-Ch. 22; Pg. 647-657	1	ONLINE/PPT
29.	Packet switching – Performance	1-Ch. 8; Pg. 227-235		ONLINE/PPT
30.	IPV4 Addresses	1-Ch. 19; Pg. 549-565		ONLINE/PPT
31.	Forwarding of IP Packets	1-Ch. 22; Pg. 648-657	2	ONLINE/PPT
32.	Network Layer Protocols: IP	1-Ch. 20; Pg. 579-594		ONLINE/PPT
33.	ICMP	1-Ch. 21; Pg. 621-629		ONLINE/PPT
34.	Unicast Routing Algorithms	1-Ch. 22; Pg. 658-677	2	ONLINE/PPT
35.	Multicasting Basics	1-Ch. 22; Pg. 678-693		ONLINE/PPT
36.	IPV6 Addressing	1-Ch. 19; Pg. 566-571, 596-602	2	ONLINE/PPT
37.	IPV6 Protocol	1-Ch. 20; Pg. 596-602, 566-571	1	ONLINE/PPT
38.	* Wireshark Tool	https://www.wireshark.org/	1	LCD

UNIT IV TRANSPORT LAYER Introduction – Transport Layer Protocols – Services – Port Numbers – User Datagram Protocol – Transmission Control Protocol – SCTP.

S.No	Topics to be covered	Reference	No of Hours	Teaching Method
39.	Overview of Transport layer	RF1-Ch. 5; Pg. 391-393	1	ONLINE/PPT
40.	Transport Layer Services, QoS – Application requirements	1-Ch. 24; Pg. 761-789 1-Ch. 23; Pg. 703-708		ONLINE/PPT
41.	UDP	RF1-Ch. 5; Pg. 393-396 1-Ch. 23; Pg. 709-715		ONLINE/PPT
42.	Reliable byte stream (TCP)	RF1-Ch. 5; Pg. 396-397 1-Ch. 23; Pg. 715-735		ONLINE/PPT
43.	End-to-End Issues, Segment Format	RF1-Ch. 5; Pg. 398-402	1	ONLINE/PPT
44.	Connection management	RF1-Ch. 5; Pg. 402-407		ONLINE/PPT
45.	Flow control	RF1-Ch. 5; Pg. 407-417	2	ONLINE/PPT
46.	Retransmission	RF1-Ch. 5; Pg. 418-422	1	ONLINE/PPT
47.	TCP Congestion control- Slow Start, Fast Retransmit and Fast Recovery	RF1-Ch. 6; Pg. 499-514	2	ONLINE/PPT
48.	Congestion avoidance (DECbit, RED)	RF1-Ch. 6; Pg. 514-522	2	ONLINE/PPT
49.	Source based Congestion avoidance	RF1-Ch. 6; Pg. 523-530		ONLINE/PPT
50.	SCTP	1-Ch. 23; Pg. 736-753	1	ONLINE/PPT

UNIT V **APPLICATION LAYER** WWW and HTTP – FTP – Email –Telnet –SSH – DNS – SNMP.

S.No	Topics to be covered	Reference	No of Hours	Teaching Method
51.	WWW and HTTP	1-Ch. 27; Pg. 851-868	1	ONLINE/PPT
52.	FTP	1-Ch. 26; Pg. 840-844	1	ONLINE/PPT
53.	Email	1-Ch. 26; Pg. 824-839	1	ONLINE/PPT
54.	Telnet	1-Ch. 26; Pg. 817-823		ONLINE/PPT
55.	SSH	RF1-Ch. 8; Pg. 667-669	1	ONLINE/PPT
56.	DNS	1-Ch. 25; Pg. 797-812	1	ONLINE/PPT
57.	SNMP	1-Ch. 28; Pg. 873-897	1	ONLINE/PPT
58.	*Network Security	1-Ch. 31; Pg. 961-986	1	ONLINE/PPT

***Content beyond the Syllabus** **Total no of hours:48**

TEXT BOOK:

1. Behrouz A. Forouzan, Data Communications and Networking, Fifth Edition TMH, 2013.

REFERENCES

1. Larry L. Peterson, Bruce S. Davie, Computer Networks: A Systems Approach, Fifth Edition, Morgan Kaufmann Publishers Inc., 2012.
2. William Stallings, Data and Computer Communications, Tenth Edition, Pearson Education, 2013.
3. Nader F. Mir, Computer and Communication Networks, Second Edition, Prentice Hall, 2014.
4. Ying-Dar Lin, Ren-Hung Hwang and Fred Baker, Computer Networks: An Open Source Approach, McGraw Hill Publisher, 2011.
5. James F. Kurose, Keith W. Ross, Computer Networking, A Top-Down Approach Featuring the Internet, Sixth Edition, Pearson Education, 2013.

Faculty

Ms.J.Sangeethapriya
AP/IT

HOD / IT

Dr.V.Punitha

LESSON PLAN

SARANATHAN COLLEGE OF ENGINEEERING,TIRUCHIRAPPALLI-12
Department of Information Technology
LESSON PLAN

Faculty Name	:	**Ms.J.Sangeethapriya**	**Designation: AP**		
Subject Name	:	**Computer Graphics And Multimedia**	**Sub. Code**	:	**CS8092**
Year	:	**III**	**Semester**	:	**VI**
Degree & Branch	:	**B.Tech & I.T**	**Strength: 61**		

Aim:

To learn the basics of computer graphics concepts which include both 2D and 3D and about multimedia.

OutComes:

- Design two dimensional graphics and apply two dimensional transformations.
- Design three dimensional graphics and apply three dimensional transformations.
- Illustrate animation sequences and color models.
- Discuss issues related to emerging electronic technologies in multimedia design.
- Understood the concepts of Multimedia file handling, File Formats and standards.
- Design Basic 3d Scenes using Blender

TEXT BOOKS:

1 Donald Hearn and Pauline Baker M, —Computer Graphics", Prentice Hall, New Delhi, 2007 [UNIT I – III]

2 Andleigh, P. K and Kiran Thakrar, —Multimedia Systems and Designl, PHI, 2003. [UNIT IV,V]

REFERENCES:

1. Judith Jeffcoate, —Multimedia in practice: Technology and Applications, PHI, 1998.
2. Foley, Vandam, Feiner and Hughes, —Computer Graphics: Principles and Practice, 2nd Edition, Pearson Education, 2003.
3. Jeffrey McConnel, —Computer Graphics: Theory into Practice, Jones and Bartlett Publishers,2006.
4. Hill F S Jr., "Computer Graphics", Maxwell Macmillan , 1990.
5. Peter Shirley, Michael Ashikhmin, Michael Gleicher, Stephen R Marschner, Erik Reinhard, KelvinSung, and AK Peters, —Fundamentals of Computer Graphics, CRC Press, 2010.
6. William M. Newman and Robert F.Sproul, —Principles of Interactive Computer Graphics, Mc Graw Hill 1978.

LESSON PLAN

S.No	Unit	Topics	No of Hrs	Book	Teaching methods
1	I	Light sources – basic illumination models	1	T1	PPT
2	I	halftone patterns and dithering techniques	1	T1	PPT
3	I	Properties of light – Standard primaries and chromaticity diagram	1	T1	PPT
4	I	Intuitive colour concepts – RGB colour model	1	T1	PPT
5	I	YIQ colour model – CMY colour model – HSV colour model	1	T1	PPT
6	I	HLS colour model	1	T1	PPT
7	I	Output primitives – points and lines, loading the frame buffer, line function	1	T1	PPT
8	I	line drawing algorithms- DDA,Bresenham's line,problems	2	T1	PPT
9	I	circle generating algorithms	2	T1	PPT
10	I	Ellipse generating algorithms	2	T1	PPT
11	I	Pixel addressing and object geometry, filled area primitives	1	T1	PPT
12	II	Two dimensional geometric transformations – Matrix representations	1	T1	PPT
13	II	homogeneous coordinates	1	T1	PPT
14	II	composite transformations	2	T1	PPT
15	II	Two dimensional viewing – viewing pipeline, viewing coordinate reference frame	2	T1	PPT
16	II	window-to-viewport coordinate transformation	2	T1	PPT
17	II	point, line clipping algorithms	2	T1	PPT
18	II	Polygon clipping algorithms	2	T1	PPT
19	III	3D CONCEPTS	1	T1	PPT
20	III	Parallel projections	1	T1	PPT
21	III	Perspective projections	2	T1	PPT
22	III	3D - Translation, Rotation, Scaling, Shearing, Reflection	1	T1	PPT
23	III	Polygons, Curved lines, Splines, Quadric Surfaces	1	T1	PPT
24	III	Visualization of data sets 3D transformations	1	T1	PPT

LESSON PLAN

25	III	Viewing	1	T1	PPT
26	III	Visible surface identification-Back Face Detection,	1	T1	PPT
27	III	Depth Buffer Method, A-Buffer Method, Scan line, Area-	1	T1	PPT
28	III	Subdivision, Octree, Ray casting	1	T1	PPT
29	III	Curved Surface, Curved Surface Representations Surface	1	T1	PPT
30	III	Contour Plots, Wireframe Methods, Visibility-Detection	1	T1	PPT
31	IV	Multimedia basics – Multimedia applications – Multimedia system architecture	1	T2	PPT
32	IV	Evolving technologies for multimedia – Defining objects for multimedia systems	1	T2	PPT
33	IV	Multimedia data interface standards – Multimedia databases.	2	T2	PPT
34	IV	Compression and decompression – Data and file format standards	2	T2	PPT
35	IV	Multimedia I/O technologies – Digital voice and audio – Video image and animation – Full motion video	2	T2	PPT
36	IV	Storage and retrieval technologies.	2	T2	PPT
37	V	Multimedia authoring and user interface	2	T2	PPT
38	V	Hypermedia messaging -Mobile messaging	2	T2	PPT
39	V	Hypermedia message component – Creating hypermedia message	2	T2	PPT
40	V	Integrated multimedia message standards	2	T2	PPT
41	V	Integrated document management – Distributed multimedia systems.	2	T2	PPT
42	V	BLENDER GRAPHICS- Blender Fundamentals	1	T2	PPT
43	V	Drawing Basic Shapes	1	T2	PPT
44	V	Modelling	1	T2	PPT
45	V	Shading & Textures	1	T2	PPT

TOTAL NO OF HRS 60

Signature of Faculty

J.SANGEETHAPRIYA,AP/IT

HoD/IT

Dr.V.Punitha

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF INFORMATION TECHNOLOGY

Assignment – 1			**Date of Issue:**	09.06.2022	**Marks**	10
Course code	AD3251	**Course Title**	Data Structures Design			
Year	I	**Semester**	II	**Date of Submission:**	15.06.2022	
Name of the Staff	Ms. N.Bhavani, Asso.Prof / IT					

S.No	Question	Course Outcome	Bloom's Taxonomy
1.	Sort the given numbers using quick sort : 3,1,4,1,5,9,2,6,5,3,5	CO4	A
2	Create the hash table with h(x) = x mod 10 for 4371,1323,6173,4199,4344,9679,1989 i. Separate chaining ii. Linear Probing iii. Quadratic probing iv. Double hashing with $hash_2(x) = 7/(x \bmod 7)$	CO4	A
3	Show the result of inserting the following keys into an initially empty extensible hashing data structure with m-4: 10111101, 00000010, 10011011, 101111110, 01111111, 01010001, 10010110, 00001011, 11001111, 10011110, 11011011, 00101011, 01000001, 11110000, 01101111	CO4	A

Signature of the Faculty in charge **HoD/IT**

Assignment - 2

Name : T. Aarthy

Batch no: 249002

Department: CSBS

Subject : AD3251 - Data Structures Design.

contents : 4

Presentation : 3

Submission : 3

10

10/10

Bhavaa

20/6/22

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15/6/22

) Sort 3, 1, 4, 1, 5, 9, 2, 6, 5, 3, 5 using quick sort

3 , 1 , 4 , 1 , 5 , 9 , 2 , 6 , 5 , 3 , 5

Pass I - pivot, i, j

When i < j, swap A[i] & A[j]

3 , 1 , 2 , 1 , 5 , 9 , 4 , 6 , 5 , 3 , 5

Pass II - pivot, i, j

When i > j, swap A[j] & A[pivot]

1 , 1 , 2 , [3] , 5 , 9 , 4 , 6 , 5 , 3 , 5

Pass III - pivot, i, j

When i > j, swap A[j] & A[pivot]

[1] , [1] , 2 , [3] , 5 , 9 , 4 , 6 , 5 , 3 , 5

Pass IV - pivot, i, j

When i > j, swap A[j] & A[pivot]

[1] , [1] , [2] , [3] , 5 , 9 , 4 , 6 , 5 , 3 , 5

Pass V - pivot, i, j

When i < j, swap A[i] & A[j]

[1] , [1] , [2] , [3] , 5 , 3 , 4 , 6 , 5 , 9 , 5

Pass VI - pivot, i, j

When i > j, swap A[j] & A[pivot]

[1] , [1] , [2] , [3] , 4 , 3 , [5] , 6 , 5 , 9 , 5

Pass VII - pivot, i, j

When i = j, swap A[j] & A[pivot]

[1] , [1] , [2] , [3] , 3 , [4] , [5] , 6 , 5 , 9 , 5

Pass VIII - pivot, i, j

[1] , [1] , [2] , [3] , [3] , [4] , [5] , 6 , 5 , 9 , 5

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1, 1, 2, 3, 3, 4, 5, 6, 5, 9, 5

pivot, i, j

When $i < j$, swap A[i] & A[j]

Pass ix - 1, 1, 2, 3, 3, 4, 5, 6, 5, 5, 9

pivot, j, l

When $i > j$, swap A[j] & A[pivot], j - partition point

Pass x - 1, 1, 2, 3, 3, 4, 5, 5, 5, 6, 9

pivot, i, j

When $i = j$, swap A[i] & A[pivot], j - partition point

Pass xi - 1, 1, 2, 3, 3, 4, 5, 5, 5, 6, 9

pivot, i, j

∴ The sorted list is : 1, 1, 2, 3, 3, 4, 5, 5, 5, 6, 9

4371, 1323, 6173, 4199, 9344, ~~4344~~, 9679, 1989 Hash function $h(x) = x \bmod 10$

Hash table for (i) seperate chaining

(ii) Linear probing

(iii) Quadratic probing

(iv) Double hashing

$hash_2(x) = 7 - (x \bmod 7)$

(i) Seperate chaining

4371

$H(x) = x \bmod 10$

$h(4371) = 4371 \bmod 10 = 1$

1323

$h(1323) = 1323 \bmod 10 = 3$

6173

$h(6173) = 6173 \bmod 10 = 3$

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4199

$h(4199) = 4199 \bmod 10 = 9$

4344

$h(4344) = 4344 \bmod 10 = 4$

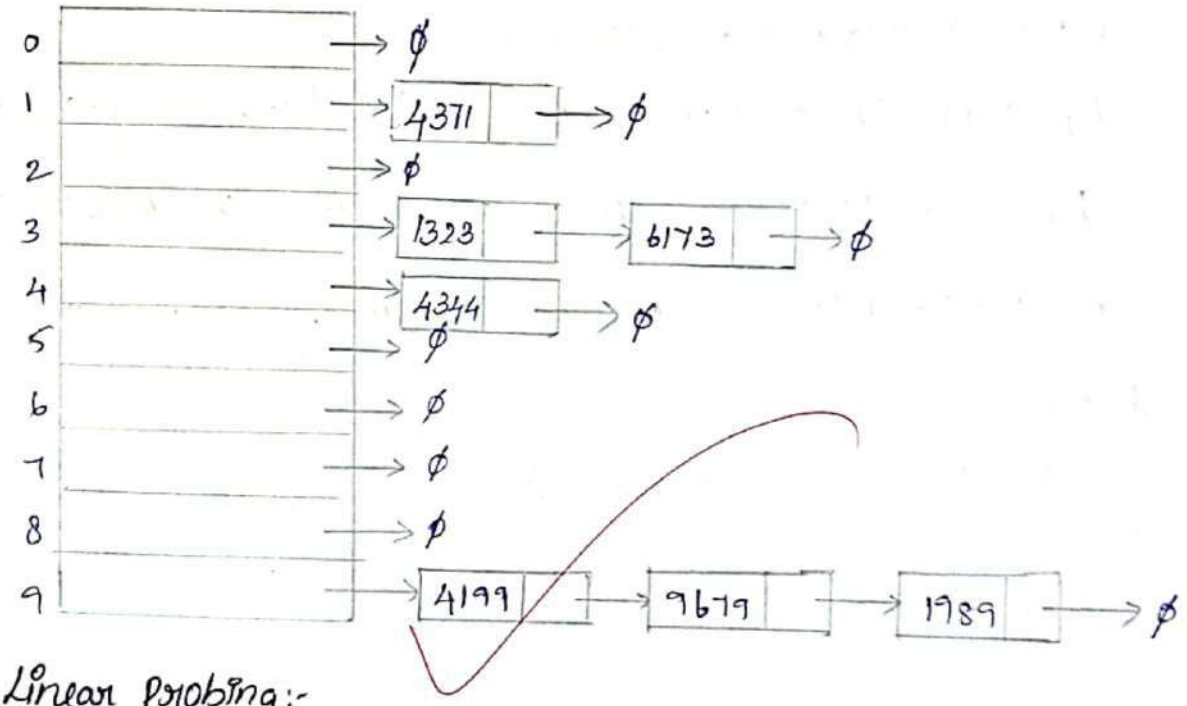
9679

$h(9679) = 9679 \bmod 10 = 9$

1989

$h(1989) = 1989 \bmod 10 = 9$

Hash table:



ii) Linear probing:-

4371

$h(4371) = 4371 \bmod 10 = 1$

1323

$h(1323) = 1323 \bmod 10 = 3$

6173

$h(6173) = 6173 \bmod 10 = 3$ (collision)

$h_1(x) = (h(x) + i) \bmod 10.$

$h_1(6173) = (h(6173)+1) \bmod 10 = (3+1) \bmod 10 \Rightarrow 4 \bmod 10 = 4$

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4199

$h(4199) = 4199 \bmod 10 = 9$

4344

$h(4344) = 4344 \bmod 10 = 4$ (collision)

$h_1(4344) = (h(4344)+1) \bmod 10 = (4+1) \bmod 10 = 5 \bmod 10 = 5.$

9679

$h(9679) = 9679 \bmod 10 = 9$ (collision)

$h_1(9679) = (h(9679)+1) \bmod 10 = (9+1) \bmod 10 = 10 \bmod 10 = 0.$

1989

$h(1989) = 1989 \bmod 10 = 9$ (collision)

$h_1(1989) = (h(1989)+1) \bmod 10 = (9+1) \bmod 10 = 10 \bmod 10 = 0$ (coll

$h_2(1989) = ((h(1989)+2)) \bmod 10 = (9+2) \bmod 10 = 11 \bmod 10 = 1$ (colli

$h_3(1989) = (h(1989)+3) \bmod 10 = (9+3) \bmod 10 = 12 \bmod 10 = 2.$

Hash table:

	4371	1323	6173	4199	4344	9679	1989
0						9679	9679
1	4371	4371	4371	4371	4371	4371	4371
2							1989
3		1323	1323	1323	1323	1323	1323
4			6173	6173	6173	6173	6173
5					4344	4344	4344
6							
7							
8							
9				4199	4199	4199	4199

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ii) Quadratic probing:-

4371

$h(4371) = 4371 \bmod 10 = 1$

1323

$h(1323) = 1323 \bmod 10 = 3$

6173

$h(6173) = 6173 \bmod 10 = 3$ (collision)

$h_i(x) = (h(x) + i^2) \bmod 10$

$h_1(6173) = (6173 + 1^2) \bmod 10 = (3+1) \bmod 10 \Rightarrow 4 \bmod 10 = 4$

4199

$h(4199) = 4199 \bmod 10 = 9$

4344

$h(4344) = 4344 \bmod 10 = 4$ (collision)

$h_1(4344) = (h(4344) + 1^2) \bmod 10 = (4+1) \bmod 10 \Rightarrow 5 \bmod 10 = 5$

9679

$h(9679) = 9679 \bmod 10 = 9$ (collision)

$h_1(9679) = (h(9679) + 1^2) \bmod 10 = (9+1) \bmod 10$

$= 10 \bmod 10 = 0$

1989

$h(1989) = 1989 \bmod 10 = 9$ (collision)

$h_1(1989) = (h(1989) + 1^2) \bmod 10 = (9+1) \bmod 10$

$= 10 \bmod 10 = 0$ (collision)

$h_2(1989) = (h(1989) + 2^2) \bmod 10 = (9+4) \bmod 10$

$= 13 \bmod 10 = 3$ (collision)

$h_3(1989) = (h(1989) + 3^2) \bmod 10 = (9+9) \bmod 10 \Rightarrow 18 \bmod 10 = 18$

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Hash table:

	4371	1323	6173	4199	4344	9679	1989
0						9679	9679
1	4371	4371	4371	4371	4371	4371	4371
2							
3		1323	1323	1323	1323	1323	1323
4			6173	6173	6173	6173	6173
5					4344	4344	4344
6							
7							
8							1989
9				4199	4199	4199	4199

iv) Double hashing:-

$h(x) = x \bmod 10$

$hash_2(x) = 7 - (x \bmod 7)$

4371

$h(4371) = 4371 \bmod 10 = 1$

1323

$h(1323) = 1323 \bmod 10 = 3$

6173

$h(6173) = 6173 \bmod 10 = 3$ (collision)

$h_i(x) = [h(x) + (i * (7 - x \bmod 7))] \bmod 10$

$h_1(6173) = [h(6173) + (1 * (7 - 6173 \bmod 7))] \bmod 10$

$= [3 + (1 * (7 - 6))] \bmod 10$

$= (3+1) \bmod 10 \Rightarrow 4 \bmod 10$

$= 4.$

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4199

$h(4199) = 4199 \bmod 10 = 9$

4344

$h(4344) = 4344 \bmod 10 = 4$ (collision)

$h_1(4344) = [h(4344) + (1 * (7 - 4344 \bmod 7))] \bmod 10$

$= [4 + (1 * (7-4))] \bmod 10$

$= (4+3) \bmod 10 \Rightarrow 7 \bmod 10$

$= 7$

9679

$h(9679) = 9679 \bmod 10 = 9$ (collision)

$h_1(9679) = [h(9679) + (1 * (7 - 9679) \bmod 7)] \bmod 10$

$= [9 + (1 * (7-5))] \bmod 10$

$= (9+2) \bmod 10 \Rightarrow 11 \bmod 10$

$= 1$ (collision)

$h_2(9679) = [h(9679) + (2 * (7 - 9679) \bmod 7)] \bmod 10$

$= [9 + (2 * (7-5))] \bmod 10$

$= (9+4) \bmod 10 \Rightarrow 13 \bmod 10 = 3$ (collision)

$h_3(9679) = [h(9679) + (3 * (7 - 9679 \bmod 7))] \bmod 10$

$= [9 + (3 * (7-5))] \bmod 10$

$= (9+6) \bmod 10 = 15 \bmod 10 \Rightarrow 5$

1989

$h(1989) = 1989 \bmod 10 = 9$ (collision)

$h_1(1989) = [h(1989) + (1 * (7 - 1989 \bmod 7))] \bmod 10$

$= [9 + (1 * (7-1))] \bmod 10$

$= (9+6) \bmod 10 \Rightarrow 15 \bmod 10$

$= 5$ (collision)

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$h_2(1989) = [h(1989) + (2 * (7 - 1989 \bmod 7))^2] \bmod 10$

$= [9 + (2 * (7-1))^2] \bmod 10$

$= (9 + 12) \bmod 10 = 21 \bmod 10$

$= 1$ (collision)

$h_3(1989) = [h_1(1989) + (3 * (7 - 1989 \bmod 7))^2] \bmod 10$

$= [9 + 3 * (7-1))^2] \bmod 10$

$= (9 + 8) \bmod 10 = 27 \bmod 10$

$= 7$ (collision)

$h_4(1989) = [h(1989) + (4 * (7 - 1989 \bmod 7))^2] \bmod 10$

$= [9 + (4 * (7-1))^2] \bmod 10$

$= (9 + 24) \bmod 10 = 33 \bmod 10$

$= 3$ (collision)

$h_5(1989) = [h(1989) + (5 * (7 - 1989 \bmod 7))^2] \bmod 10$

$= [9 + (5 * (7-1))^2] \bmod 10$

$= (9 + 30) \bmod 10 = 39 \bmod 10$

$= 9$ (collision)

Since insertion is not possible, rehashing is done.

Rehashing:

Table size = 23

$h(x) = x \bmod 23$.

*43=11

$h(43=11) = 43=11 \bmod 23 = 1$

1323

$h(1323) = 1323 \bmod 23 = 12$.

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6173

$h(6173) = 6173 \bmod 23 = 9$

4199

$h(4199) = 4199 \bmod 23 = 13$

4344

$h(4344) = 4344 \bmod 23 = 20$

9679

$h(9679) = 9679 \bmod 23 = 4919$

1989

$h(1989) = 1989 \bmod 23 = 11$

Hash table

	4371	1323	6173	4199	4344	9679	1989
0							
1	4371	4371	4371	4371	4371	4371	4371
2							
3							
4							
5							
6							
7							
8							
9			6173	6173	6173	6173	6173
10							
11							1989
12		1323	1323	1323	1323	1323	1323
13				4199	4199	4199	4199
14							
15							
16							
17							
18							
19						9679	9679
20					4344	4344	4344
21							
22							
23							

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Show the result of inserting the following keys into an initially empty extensible hashing data structure with $m = 4$

10111101, 00000010, 10011011, 10111110, 01111111, 01010001, 10010110, 00001011, 11001111, 10011110, 11011011, 00101011, 01000001, 11110000, 01101111

0	1
00000010	10111101
01111111110	10011011
01010001	10111110
00001011	10010110

The remaining cannot be added in any of the buckets since they are already full

00	01	10	11
00000010	01111111	10111101	11001111
00001011	01010001	10011011	
		10111110	
		10010110	

The next element 1001111 cannot be added into 10's bucket since it is already full

000	010	001	100	101	110
00000010	01010000 1	00101011	10011011	10111101	11011111
00001011			10010110	10111110	11011
			10011110		

111	011
11110000	01111111
	01100001
	01101111

Bhavana 23/6

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SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF INFORMATION TECHNOLOGY
(Accredited by NBA)

Lecture Schedule

Degree/Program: **B.TECH / IT** Course code
&Name: **IT8761 Security Laboratory**
Duration: **AUG 2021 -DEC2021** Semester: VII Section**: A** Faculty : Ms.N.Bhavani

AIM

To demonstrate and understand the various Encryption and Decryption algorithms

OBJECTIVES

1. **To learn substitution cipher techniques**
2. **To learn transposition cipher techniques**
3. **To Understand the concepts of block and stream cipher techniques**
4. **To understand the concepts of digital signature .**
5. **To use various security tools and malware defeating concepts**

COURSE OUTCOMES: After the course, the student should be able to:

Course	Course Outcome	POs	PSOs
C407.1	Implement the traditional substitution techniques	1,2,3,10,11,12	1,2
C407.2	Implement the cryptography transpositional techniques	1,2,3, 10,11,12	1,2
C407.3	Understanding the concepts of various cryptographic algorithms	1,2,3,6, 10,11,12	1,2
C407.4	Implement the digital signature scheme using DSS and GNUPG tool	1,2,3,5,6 10,11,12	1,2
C407.5	Understand the network analyser tools like Netstumbler and KFSensor	1,2,3,5,6 10,11,12	1,2
C407.6	Install and demonstrate the IDS tools and Rootkits .	1,2,3,5, 10,11,12	1,2

S.No	Date Planned	Topics to be Covered	Date Actual
1	6/9/2021 & 7/9/2021	Implement the following SUBSTITUTION & TRANSPOSITION TECHNIQUES concepts: a) Caesar Cipher b) Playfair Cipher c) Hill Cipher d) Vigenere Cipher e) Rail fence – row & Column Transformation	6/9/2021& 7/9/2021
2	8/9/2021	Apply DES algorithm for applications.	8/9/2021
3	9/9/2021	Apply AES algorithm for applications.	9/9/2021

4	13/9/2021	Implement RSA Algorithm	13/9/2021
5	13/9/2021	Implement the Diffie-Hellman Key Exchange algorithm for a given problem.	13/9/2021
6	14/9/2021	Implement md5,sha-1 Algorithm	14/9/2021
7	15/9/2021	Demonstrate how to provide secure data storage, secure data transmission and for creating digital signatures (GnuPG).	15/9/2021
8	17/9/2021	Defeating Malware-Building Trojans	17/9/2021
9	16/9/2021	Perform wireless audit on an access point or a router and decrypt WEP and WPA.(Net Stumbler)	16/9/2021
	17/9/2021	Installation of rootkits and study about the variety of options	17/9/2021
8	16/9/2021	Demonstrate intrusion detection system (ids) using any tool (snort or any other s/w)	16/9/2021

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C407.2	2	1	1	-	-	-	-	-	-	1	1	1	2	1
C407.3	2	1	1	-	-	1	-	-	-	1	1	1	2	1
C407.4	2	1	1	-	1	1	-	-	-	1	1	1	2	1
C407.5	2	1	1	-	1	1	-	-	-	1	1	1	2	1
C407.6	2	1	1	-	-	1	-	-	-	1	1	1	2	1
C407.1	2	1	1	-	-	-	-	-	-	1	1	1	2	1

Faculty Incharge **HoD/IT.**

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Cloud Computing , code CS8791 for IV year, 7 semester, department of IT ~~B.E~~/B.Tech/~~MBA~~ during the academic year 2021 – 2022, odd semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 65 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 3 years.

Signature : R.Rengaraj

Name : R.RENGARAJ

Designation : AP

Department : IT

Date : 23/3/22

Signature of HoD :

Principal :

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SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

IT8711- FOSS and Cloud Computing Laboratory.

Signature	: R.Renguraj	Signature	:
Name	: R. RENGARAJ	Name	:
Designation	: AP	Designation	:
Department	: IT		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

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IT8711 FOSS AND CLOUD COMPUTING LABORATORY

List of Exercises:

- Use gcc to compile c-programs. Split the programs to different modules and create an application using make command.
- Use version control systems command to clone, commit, push, fetch, pull, checkout, reset, and delete repositories.
- Install Virtualbox/VMware Workstation with different flavours of linux or windows OS on top of windows7 or 8.
- Install a C compiler in the virtual machine created using virtual box and execute Simple Programs
- Install Google App Engine. Create *hello world* app and other simple web applications using python/java.
- Use GAE launcher to launch the web applications.
- Simulate a cloud scenario using CloudSim and run a scheduling algorithm that is not present in CloudSim.
- Find a procedure to transfer the files from one virtual machine to another virtual machine.
- Find a procedure to launch virtual machine using trystack (Online Openstack Demo Version)
- Install Hadoop single node cluster and run simple applications like wordcount.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 2/3/2022

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Problem Solving & Python Programming, code GE3151 for I year, I semester, department of CSBS B.E/B.Tech/MBA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 64 periods, revised syllabus for 2 periods and discussed the Anna University Examination question papers of the last 3 years.

Signature :

Name : Manoj Kumar. V

Designation : Assistant Professor

Department : CSBS

Date : 2/3/2022.

Signature of HoD :

Principal :

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SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 02.03.2022

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

GE3171- PROBLEM SOLVING & PYTHON PROGRAMMING LAB

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature : Signature

Name : K. Muthukaruppaee Name : P. Anand

Designation : Assistant Professor Designation : AP

Department : Information Technology

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

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GE3171 PROBLEM SOLVING AND PYTHON PROGRAMMING LABORATORY

List of Exercises:

1. Identification and solving of simple real life or scientific or technical problems, and developing flow charts for the same. (Electricity Billing, Retail shop billing, Sin series, weight of a motorbike, Weight of a steel bar, compute Electrical Current in Three Phase AC Circuit, etc.)

2. Python programming using simple statements and expressions (exchange the values of two variables, circulate the values of n variables, distance between two points).

3. Scientific problems using Conditionals and Iterative loops. (Number series, Number Patterns, pyramid pattern)

4. Implementing real-time/technical applications using Lists, Tuples. (Items present in a library/Components of a car/ Materials required for construction of a building –operations of list & tuples)

5. Implementing real-time/technical applications using Sets, Dictionaries. (Language, components of an automobile, Elements of a civil structure, etc.- operations of Sets & Dictionaries)

6. Implementing programs using Functions. (Factorial, largest number in a list, area of shape)

7. Implementing programs using Strings. (reverse, palindrome, character count, replacing characters)

8. Implementing programs using written modules and Python Standard Libraries (pandas, numpy. Matplotlib, scipy)

9. Implementing real-time/technical applications using File handling. (copy from one file to another, word count, longest word)

10. Implementing real-time/technical applications using Exception handling. (divide by zero error, voter's age validity, student mark range validation)

11. Exploring Pygame tool.

12. Developing a game activity using Pygame like bouncing ball, car race etc.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/6/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Even sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Object oriented Analysis & Design code CS8592 for III year, VI semester, department of IT ~~B.E~~/B.Tech/~~M~~BA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 40 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 3 years.

Signature : A. Sheelavathi

Name : A. SHEELAVATHI

Designation : ASSISTANT PROFESSOR

Department : IT

Date : 23/6/22

Signature of HoD :

Principal :

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SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23. 6. 2022

Ref : SCE/Syllabus/Laboratory/2021-2022- Even sem/

CS8461 - Operating Systems Lab

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:		Signature :
Name	: K. Muthukaruppan		Name :
Designation	: Assistant Professor		Designation :
Department	: Information Technology		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

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CS8461 OPERATING SYSTEMS LABORATORY

LIST OF EXPERIMENTS

1. Basics of UNIX commands

2. Write programs using the following system calls of UNIX operating system fork, exec, getpid, exit, wait, close, stat, opendir, readdir

3. Write C programs to simulate UNIX commands like cp, ls, grep, etc.

4. Shell Programming

5. Write C programs to implement the various CPU Scheduling Algorithms

6. Implementation of Semaphores

7. Implementation of Shared memory and IPC

8. Bankers Algorithm for Deadlock Avoidance

9. Implementation of Deadlock Detection Algorithm

10. Write C program to implement Threading & Synchronization Applications

11. Implementation of the following Memory Allocation Methods for fixed partition a) First Fit b) Worst Fit c) Best Fit

12. Implementation of Paging Technique of Memory Management

13. Implementation of the following Page Replacement Algorithms a) FIFO b) LRU c) LFU

14. Implementation of the various File Organization Techniques

15. Implementation of the following File Allocation Strategies a) Sequential b) Indexed c) Linked **S**

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/6/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Even sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Programming in C code CS3251 for I year, II semester, department of IT B.E/B.Tech/MBA during the academic year 2021 – 2022, even semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 40 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 3 years.

Signature : P. Anand

Name : P. ANAND

Designation : AP

Department : IT

Date : 03/6/22

Signature of HoD :

Principal :

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SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/6/22

Ref : SCE/Syllabus/Laboratory/2021-2022- Even sem/

CS3271-Programming in C Lab

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	P. Anand	Signature	:
Name	:	P. ANAND	Name	:
Designation	:	AP	Designation	:
Department	:	IT		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

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CS3271 PROGRAMMING IN C LABORATORY

LIST OF EXPERIMENTS:

1. I/O statements, operators, expressions

2. decision-making constructs: if-else, goto, switch-case, break-continue

3. Loops: for, while, do-while

4. Arrays: 1D and 2D, Multi-dimensional arrays, traversal

5. Strings: operations

6. Functions: call, return, passing parameters by (value, reference), passing arrays to function.

7. Recursion

8. Pointers: Pointers to functions, Arrays,Strings, Pointers to Pointers, Array of Pointers

9. Structures: Nested Structures, Pointers to Structures, Arrays of Structures and Unions.

10. Files: reading and writing, File pointers, file operations, random access, processor directives

Saranathan College of Engineering

Tiruchirappalli-12

FeedBack Report : IT Month&Year: FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiali ty and Fairness to Students ?	(4) Interactio n with Students by the faculty	(5) Valuable/ Extra Informati on given during the Lectures by the faculty	(6) Enthusias m for Subject ?	(7) Showing Concern and Care for Students ?	(8) Punctuality in Evaluation of Exam Papers/ Assignment s ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
Weigta ge					15	15	8	12	12	12	4	6	8	8	100
1	punitha-it	IT-A/7	50	CS8792/Cryptogr aphy And Network Security	14.04	13.86	6.27	9.36	9.02	9.12	3.02	4.54	6.21	6.11	81.56
2	sheelavathi-it	ECE-A/5	18	EC8552/Compute r Architecture And Organization	14.33	14.5	6.76	10.27	9.73	10	3.33	5.13	7.02	6.76	87.83
3	padmapriya-it	ECE-B/5	13	EC8552/Compute r Architecture And Organization	14.77	14.77	7.14	10.52	10.71	11.08	3.51	5.08	7.14	7.38	92.09

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4	anand-it	ICE-A/3	24	CS8392/Object Oriented Programming	14.5	14.38	6.4	10	9.7	10.2	3.27	5.2	6.73	6.87	87.24
5	senthilbalaji-it	ICE-A/7	40	OCS752/Introduction To C Programming	14.32	14.32	6.64	9.78	9.72	9.78	3.22	5.01	6.64	6.68	86.12
6	jspriya-it	IT-A/1	56	GE3151/Problem Solving And Python Programming	13.23	12.96	6.97	10.5	10.2	10.54	3.51	5.27	7.2	7.06	87.45
7	sheelavathi-it	IT-A/3	18	CS8391/Data Structures	15	15	7.64	11.33	10.93	11.33	3.87	5.4	7.38	7.64	95.53
8	manojkumar-it	IT-A/3	18	CS8392/Object Oriented Programming	15	15	7.29	11.07	11.33	11.33	3.56	5.67	7.64	7.64	95.53
9	bhavani-it	IT-A/5	16	CS8494/Software Engineering	14.81	14.81	6.7	10.05	10.05	10.5	3.4	5.03	6.7	6.6	88.65
10	jspriya-it	IT-A/5	16	CS8591/Computer Networks	14.81	14.81	7.2	10.8	10.95	11.1	3.7	5.32	7.3	7.3	93.3
11	rengaraj-it	IT-A/5	16	IT8501/Web Technology	14.62	14.62	6.9	10.35	10.65	10.8	3.35	4.95	6.7	6.8	89.75
12	anand-it	IT-A/5	15	OCE552/Geographic Information System	14.8	14.6	6.4	9.92	9.92	10.24	3.41	5.04	6.83	6.93	88.09
13	padmapriya-it	IT-A/7	46	CS8079/Human Computer Interaction	14.09	14.15	6.57	9.34	9.08	9.18	3.15	4.75	6.19	6.09	82.59
14	rengaraj-it	IT-A/7	54	CS8791/Cloud Computing	13.89	14.11	6.46	9.24	9.24	9.2	3.08	4.56	6.16	5.75	81.7
15	bhavani-it	IT-A/7	52	IT8075/Software Project Management	14.19	14.31	6.37	9.37	9.32	9.23	3.03	4.62	6.22	6.28	82.93

H.O.D. (IT)
Saranathan College of Engg.,
Trichirapalli - 620 012.

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Faculty Feedback Report (SEP/NOV 2021) based Counselling Report

08.11.2021

IV year: Feedbacks of all the four staff members are good. They scored above 80%. They are encouraged to give their best to the students.

III year: Mr. P. Anand has improved his feedback score from 75% to 88% and he is highly appreciated for that. Feedbacks of all other staff members are good (above 85%) and they are appreciated for their effort.

II year: In fourth semester, 2 subjects are handled by IT department staff members. Both of them have received good feedback (above 90%) and they are appreciated for their effort.

I year: Ms. J. Sangeethapriya received good feedback and scored above 88%.

Ms. A. Sheelavathi, Mr. P. Anand, Ms. Padmapriya and Mr. V. Senthilbalaji are handling subjects for allied departments. They are consistently receiving good feedback (above 80%). They are appreciated for their efforts. All the staff members are encouraged to give their best to the students to improve their skills.

HoD/IT 08/11/2021

Principal 8/11/2021

Saranathan College of Engineering

Tiruchirappalli-12

FeedBack Report : IT Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/ Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students ?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
Weigtage					15	15	8	12	12	12	4	6	8	8	100
1	punitha-it	IT-A/4	47	CS8451/Design And Analysis Of Algorithms	13.34	13.15	7.11	10.52	9.96	10.42	3.51	4.95	7.05	8.4	86.4
2	bhavani-it	CSBS-A/2	52	AD3251/Data Structure Design	11.08	11.02	5.66	8.31	8.4	8.77	2.89	4.85	5.82	6.06	72.85
3	sheelavathi-it	ICE-A/6	44	CS8391/Data Structures	13.02	12.61	6.58	9.6	9.33	9.87	3.24	4.96	6.91	6.76	82.89
4	anand-it	IT-A/2	60	CS3251/Programming In C	9.7	9.1	4.64	6.64	7.12	7.52	2.41	4.02	5.17	5.33	61.66
5	jspriya-it	IT-A/4	47	CS8491/Computer Architecture	13.98	13.91	7.46	11.08	10.93	11.23	3.8	5.41	7.46	7.52	92.78

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6	rengaraj-it	IT-A/4	34	CS8492/Database Management Systems	13.15	13.15	7.34	10.8	10.66	10.52	3.65	5.22	7.06	6.92	88.46
7	padmapriya-it	IT-A/4	47	CS8493/Operating Systems	14.23	14.3	7.49	11.39	10.83	11.29	3.81	5.62	7.63	7.46	94.03
8	anand-it	IT-A/6	51	CS8091/Big Data Analytics	11.59	11.65	6.27	9.08	8.75	8.85	2.98	4.71	6.43	6.37	76.68
9	jspriya-it	IT-A/6	51	CS8092/Computer Graphics And Multimedia	12.88	13.18	6.81	10.35	10.16	10.16	3.45	5.22	6.84	7.03	86.09
10	sheelavathi-it	IT-A/6	51	CS8592/Object Oriented Analysis And Design	12.18	12.06	6.46	9.84	9.84	9.65	3.33	4.92	6.56	6.43	81.25
11	bhavani-it	IT-A/6	50	GE8076[8]/Professional Ethics In Engineering	11.16	11.52	6.05	9.12	9.02	9.02	3.06	4.68	6.11	6.3	76.05
12	padmapriya-it	IT-A/6	51	IT8076/Software Testing	12.76	12.59	6.53	9.65	9.74	9.69	3.23	4.92	6.9	6.68	82.69
13	rengaraj-it	IT-A/6	51	IT8601/Computational Intelligence	12.47	12.47	6.68	9.93	9.69	9.98	3.39	4.99	6.68	6.62	82.9
14	manojkumar-it	IT-A/6	50	IT8602/Mobile Communication	13.14	13.14	6.62	10.42	10.85	10.46	3.47	5.26	6.91	7.2	87.47

H.O.D. (IT)
Saranathan College of Engg.,
Trichirapalli - 620 012.

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SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF INFORMATION TECHNOLOGY

Faculty Feedback Report (April /MAY) based Counselling Report

02.06.2021

III year: Feedbacks for all the staff members are satisfactory. Ms. J. Sangeethapriya and Mr. V. Manoj Kumar have scored above 85% and they are appreciated for their effort. Ms.A.Sheelavathi, Ms.M.Padmapriya and Mr. R. Rengaraj have got a feedback above 80% and they are appreciated for their effort. Mr. P. Anand and Ms. N. Bhavani have received a feedback score of 76%. They are advised to make the class lively with interesting real-time examples.

II year: In fourth semester, feedback score of all the three staff members are good and they scored above 88%. Ms. M. Padmapriya and Ms. J. Sangeethapriya are appreciated for their good feedback score of 94% and 92% respectively.

I year: Mr. P.Anand has got 62% of feedback score. He is advised to be friendly with students and motivate the students to show interest in coding.

Feedback of Ms. A. Sheelavathi who is handling Data Structures for ICE department is also good and she is motivated to continue her effort. Feedback of Ms. N. Bhavani who is handling Data Structures Design for AIDS department is satisfactory. All the staff members are appreciated for their effort in improving the students' skill.

HoD/IT 02/06/2021

Principal 2/6/21

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22 EVEN** Semester : **8** Programme: **B.E/B.Tech (IT)**
Subject Code : **GE8076** Title **PROFESSIONAL ETHICS IN ENGINEERING**
Faculty: Ms.N.Bhavani

Cos	CO Description	Attained Level	%
C409E7.1.1	To understand Human values	2.58	86.00
C409E7.1.2	To learn ethics in Engineering professional life	2.6	86.67
C409E7.1.3	To learn code of ethics and experimentation	2.64	88.00
C409E7.1.4	To learn safety, risk, risk analysis	2.58	86.00
C409E7.1.5	To understand Intellectual Property Rights	2.25	75.00
C409E7.1.6	To learn multinational, environment and computer ethics	2.53	84.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 55

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
224001	GE8076	3	2	3	3	2	3	27/05/2022	IT	8
224002	GE8076	3	2	3	3	2	3	27/05/2022	IT	8
224003	GE8076	3	2	3	3	2	2	27/05/2022	IT	8
224004	GE8076	3	3	3	3	2	3	27/05/2022	IT	8
224005	GE8076	2	3	3	3	3	3	27/05/2022	IT	8
224006	GE8076	2	3	2	2	3	2	27/05/2022	IT	8
224007	GE8076	3	2	3	3	2	3	27/05/2022	IT	8
224008	GE8076	3	3	3	3	2	3	27/05/2022	IT	8
224009	GE8076	3	2	3	3	2	2	27/05/2022	IT	8

224010	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224012	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224013	GE8076	3	2	3	3	2	3	27/05/2022	IT	8
224015	GE8076	2	3	3	3	2	2	27/05/2022	IT	8
224016	GE8076	3	3	3	3	2	3	27/05/2022	IT	8
224017	GE8076	3	2	3	3	3	3	27/05/2022	IT	8
224018	GE8076	3	2	2	3	2	2	27/05/2022	IT	8
224019	GE8076	3	2	3	3	3	3	27/05/2022	IT	8
224022	GE8076	2	3	3	3	2	3	27/05/2022	IT	8
224021	GE8076	3	2	3	3	2	2	27/05/2022	IT	8
224022	GE8076	3	2	3	3	2	3	27/05/2022	IT	8
224023	GE8076	3	2	3	3	2	3	27/05/2022	IT	8
224024	GE8076	3	3	2	3	2	2	27/05/2022	IT	8
224025	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224026	GE8076	3	2	3	3	3	3	27/05/2022	IT	8
224027	GE8076	3	2	3	3	2	2	27/05/2022	IT	8
224028	GE8076	3	3	3	2	2	3	27/05/2022	IT	8
224029	GE8076	3	2	3	3	2	3	27/05/2022	IT	8
224030	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224031	GE8076	3	2	3	3	2	3	27/05/2022	IT	8
224032	GE8076	3	3	3	2	2	3	27/05/2022	IT	8
224033	GE8076	2	3	2	2	3	2	27/05/2022	IT	8
224034	GE8076	3	2	3	3	3	3	27/05/2022	IT	8
224035	GE8076	2	3	3	3	3	3	27/05/2022	IT	8

224036	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224038	GE8076	3	2	3	2	3	3	27/05/2022	IT	8
224039	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224040	GE8076	2	3	3	3	2	3	27/05/2022	IT	8
224041	GE8076	3	2	3	3	3	3	27/05/2022	IT	8
224042	GE8076	2	3	2	2	3	2	27/05/2022	IT	8
224043	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224044	GE8076	3	3	3	3	2	3	27/05/2022	IT	8
224045	GE8076	2	3	2	2	3	2	27/05/2022	IT	8
224046	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224047	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224048	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224049	GE8076	3	2	3	2	3	3	27/05/2022	IT	8
224050	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224051	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224052	GE8076	3	3	3	3	2	3	27/05/2022	IT	8
224053	GE8076	3	2	3	3	3	3	27/05/2022	IT	8
224054	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224055	GE8076	2	3	2	2	2	2	27/05/2022	IT	8
224056	GE8076	3	3	3	3	2	3	27/05/2022	IT	8
224057	GE8076	3	2	3	3	2	2	27/05/2022	IT	8
Attained Level		2.58	2.6	2.64	2.58	2.25	2.53			
%		86.00	86.67	88.00	86.00	75.00	84.33			





Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22 ODD** Semester : **7** Programme: **B.E/B.Tech (IT)**
Subject Code : **IT8075** Title **SOFTWARE PROJECT MANAGEMENT**
Faculty: Ms.N.Bhavani

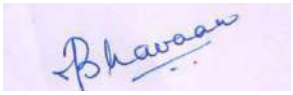
Cos	CO Description	Attained Level	%
C405E25.1	Understand Project Management principles while developing software.	2.67	89.00
C405E25.2	Gain extensive knowledge about the basic project management concepts, framework and the process models.	2.51	83.67
C405E25.3	Obtain adequate knowledge about software process models and software effort estimation techniques	2.67	89.00
C405E25.4	Estimate the risks involved in various project activities	2.82	94.00
C405E25.5	Define the checkpoints, project reporting structure, project progress and tracking mechanisms using project management principles	2.16	72.00
C405E25.6	Learn staff selection process and the issues related to people management	2.55	85.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 55

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
214001	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214002	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214003	IT8075	3	2	3	3	2	2	28/12/2021	IT	7
214004	IT8075	3	3	3	3	2	3	28/12/2021	IT	7
214005	IT8075	2	3	3	3	3	3	28/12/2021	IT	7
214006	IT8075	3	2	2	3	2	2	28/12/2021	IT	7
214007	IT8075	2	3	2	2	2	2	28/12/2021	IT	7
214008	IT8075	2	3	2	2	2	2	28/12/2021	IT	7

214009	IT8075	3	2	3	3	2	2	28/12/2021	IT	7
214010	IT8075	2	3	3	3	2	3	28/12/2021	IT	7
214012	IT8075	3	3	2	3	2	2	28/12/2021	IT	7
214013	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214015	IT8075	2	3	2	2	2	2	28/12/2021	IT	7
214016	IT8075	3	3	3	3	2	3	28/12/2021	IT	7
214017	IT8075	3	2	3	3	3	3	28/12/2021	IT	7
214018	IT8075	3	2	2	3	2	2	28/12/2021	IT	7
214019	IT8075	3	2	3	3	3	3	28/12/2021	IT	7
214021	IT8075	2	3	3	3	2	3	28/12/2021	IT	7
214021	IT8075	3	2	3	3	2	2	28/12/2021	IT	7
214022	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214023	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214024	IT8075	3	3	2	3	2	2	28/12/2021	IT	7
214025	IT8075	2	3	3	3	2	3	28/12/2021	IT	7
214026	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214027	IT8075	3	2	3	3	3	2	28/12/2021	IT	7
214028	IT8075	3	3	3	3	2	3	28/12/2021	IT	7
214029	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214030	IT8075	2	3	2	3	2	2	28/12/2021	IT	7
214031	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214032	IT8075	2	3	2	2	2	2	28/12/2021	IT	7
214033	IT8075	2	3	2	2	2	2	28/12/2021	IT	7
214034	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214035	IT8075	2	3	3	3	2	3	28/12/2021	IT	7
214036	IT8075	3	3	2	3	2	2	28/12/2021	IT	7
214038	IT8075	3	2	3	2	3	3	28/12/2021	IT	7

214039	IT8075	2	3	2	2	2	2	28/12/2021	IT	7
214040	IT8075	2	3	3	3	2	3	28/12/2021	IT	7
214041	IT8075	3	2	3	3	3	3	28/12/2021	IT	7
214042	IT8075	3	2	2	3	2	2	28/12/2021	IT	7
214043	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214044	IT8075	3	3	3	3	2	3	28/12/2021	IT	7
214045	IT8075	2	3	3	3	3	2	28/12/2021	IT	7
214046	IT8075	3	2	3	3	3	3	28/12/2021	IT	7
214047	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214048	IT8075	3	3	2	3	2	2	28/12/2021	IT	7
214049	IT8075	2	3	2	2	2	2	28/12/2021	IT	7
214050	IT8075	2	3	2	2	2	2	28/12/2021	IT	7
214051	IT8075	3	2	3	3	2	2	28/12/2021	IT	7
214052	IT8075	3	3	3	3	2	3	28/12/2021	IT	7
214053	IT8075	3	2	3	3	2	3	28/12/2021	IT	7
214054	IT8075	3	2	2	3	2	2	28/12/2021	IT	7
214055	IT8075	2	3	3	3	3	3	28/12/2021	IT	7
214056	IT8075	3	3	3	3	2	3	28/12/2021	IT	7
214057	IT8075	3	2	3	3	2	2	28/12/2021	IT	7
Attained Level		2.67	2.51	2.67	2.82	2.16	2.55			
%		89.00	83.67	89.00	94.00	72.00	85.00			





Date: 27.07.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2021 – December 2021 (ODD SEMESTER)*

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III, V, VII	18.08.2021	30.11.2021**	02.12.2021	13.12.2021
2.	B.E. / B.Tech (Part-Time)	III, V, VII				
3.	B.Arch. (Full-Time)	III, V, VII, IX				
4.	M.C.A. (Full-Time)	V				
5.	M.Sc (5 Yrs-Integrated)	V, VII, IX				
6.	M.B.A. (5 Yrs-Integrated)	V, VII, IX				

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE - OPENING DAY FOR THE NEXT SEMESTER: 19.01.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following 7 Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	28.08.2021	Friday
2.	11.09.2021	Monday
3.	25.09.2021	Friday
4.	09.10.2021	Thursday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	23.10.2021	Friday
6.	06.11.2021	Tuesday
7.	20.11.2021	Thursday

27.07.2021

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 04.03.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

March 2022 – June 2022 (Even Semester – Except Semester II)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	16.03.2022	16.06.2022**	18.06.2022	28.06.2022
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				

RE - OPENING DAY FOR THE NEXT SEMESTER: 10.08.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	19.03.2022	Tuesday
2.	26.03.2022	Wednesday
3.	09.04.2022	Thursday
4.	23.04.2022	Friday
5.	30.04.2022	Tuesday
6.	07.05.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	14.05.2022	Tuesday
8.	21.05.2022	Wednesday
9.	28.05.2022	Thursday
10.	04.06.2022	Friday
11.	11.06.2022	Monday

04/03/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED			
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday			04	MON		I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE		II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE		I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED		II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE		II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE		II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON		III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED		V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI		II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

Principal

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR' 22	DAY	DETAILS	Day order	working days	APR' 22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON		IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Holiday			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Holiday			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				20	32				22	54				14	68
																	Total No.of working days for the semester :	68	

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Mechanical Department Academic Planner for Odd Semester(2021-22) - II, III & IV Year UG

AUG'21	DAY	DETAILS	Day order	working days	SEP'21	DAY	DETAILS	Day order	working days	OCT'21	DAY	DETAILS	Day order	working days	NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days
01	SUN	Holiday			01	WED		IV	9	01	FRI		V	30	01	MON	STUDENT FEEDBACK -2	III	48	01	WED	Project Expo		
02	MON				02	THU		V	10	02	SAT	Gandhi Jayanthi - Holiday			02	TUE		IV	49	02	THU	Univ. Practical Exam commences		
03	TUE				03	FRI		I	11	03	SUN	Holiday			03	WED	Holiday			03	FRI			
04	WED				04	SAT	Holiday			04	MON		I	31	04	THU	Deepavali - Holiday			04	SAT			
05	THU				05	SUN	Teachers' Day - Holiday			05	TUE		II	32	05	FRI	Holiday			05	SUN	Holiday		
06	FRI				06	MON		II	12	06	WED		III	33	06	SAT	Holiday			06	MON			
07	SAT	Holiday			07	TUE		III	13	07	THU		IV	34	07	SUN	Holiday			07	TUE	Flag Day		
08	SUN	Holiday			08	WED		IV	14	08	FRI		V	35	08	MON		V	50	08	WED			
09	MON				09	THU		V	15	09	SAT	Holiday			09	TUE		I	51	09	THU			
10	TUE				10	FRI	Vinayakar Chathurthi - Holiday			10	SUN	Holiday			10	WED		II	52	10	FRI			
11	WED				11	SAT	Holiday			11	MON		I	36	11	THU	National Education Day	III	53	11	SAT			
12	THU	International Youth Day			12	SUN	Holiday			12	TUE		II	37	12	FRI		IV	54	12	SUN	Holiday		
13	FRI				13	MON		I	16	13	WED		III	38	13	SAT	Holiday			13	MON	Univ. Theory Exam commences		
14	SAT	Holiday			14	TUE		II	17	14	THU	Ayutha Pooja - Holiday			14	SUN	Children's Day - Holiday			14	TUE			
15	SUN	Independence Day			15	WED	Engineer's Day	III	18	15	FRI	Vijaya Dasami - Holiday			15	MON	IA Test 3	V	55	15	WED			
16	MON				16	THU		IV	19	16	SAT	Holiday			16	TUE	IA Test 3	I	56	16	THU			
17	TUE				17	FRI		V	20	17	SUN	Holiday			17	WED	IA Test 3	II	57	17	FRI			
18	WED	III,V,VII sem classes commence	I	1	18	SAT	Holiday			18	MON	IA Test 2	IV	39	18	THU	IA Test 3	III	58	18	SAT			
19	THU		II	2	19	SUN	Holiday			19	TUE	Milad-un-Nabi - Holiday			19	FRI	IA Test 3	IV	59	19	SUN	Holiday		
20	FRI	Muharram - Holiday			20	MON	IA Test 1	I	21	20	WED	IA Test 2	V	40	20	SAT	IA Test 3			20	MON			
21	SAT	Holiday			21	TUE	IA Test 1	II	22	21	THU	IA Test 2	I	41	21	SUN	Holiday			21	TUE			
22	SUN	Avani Avitam - Holiday			22	WED	IA Test 1	III	23	22	FRI	IA Test 2	II	42	22	MON	Syllabus completion	V	60	22	WED	National Mathematics Day		
23	MON		III	3	23	THU	IA Test 1	IV	24	23	SAT	IA Test 2			23	TUE	Revision class	I	61	23	THU			
24	TUE		IV	4	24	FRI	IA Test 1 - NSS Day	V	25	24	SUN	Holiday			24	WED	Revision class	II	62	24	FRI			
25	WED		V	5	25	SAT	IA Test 1			25	MON	IA Test 2	III	43	25	THU	Revision class	III	63	25	SAT	Christmas - Holiday		
26	THU		I	6	26	SUN	Holiday			26	TUE	IA Test 2	IV	44	26	FRI	Revision class	IV	64	26	SUN	Holiday		
27	FRI		II	7	27	MON		I	26	27	WED		V	45	27	SAT	Holiday			27	MON			
28	SAT	Holiday			28	TUE		II	27	28	THU		I	46	28	SUN	Holiday			28	TUE			
29	SUN	Holiday			29	WED	STUDENT FEEDBACK -1	III	28	29	FRI		II	47	29	MON	Lab record work completion	V	65	29	WED			
30	MON	Krishna Jayanthi - Holiday			30	THU		IV	29	30	SAT	Holiday			30	TUE	Lab record work completion	I	66	30	THU			
31	TUE		III	8						31	SUN	National Unity Day - Holiday								31	FRI			
No. of Working days			8	8				21	29				18	47				19	66					
																	Total No.of working days for the semester :		66					

Principal

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Mechanical Department Academic Planner for Even Semester(2021-22) - II, III & IV UG

MAR' 22	DAY	DETAILS	Day order	working days	APR' 22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days
01	TUE	Maha Shivaratri			01	FRI		III	13	01	SUN	May Day Holiday			01	WED		V	55
02	WED				02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	56
03	THU				03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	57
04	FRI				04	MON		IV	14	04	WED		III	33	04	SAT	College Day	III	58
05	SAT				05	TUE		V	15	05	THU		IV	34	05	SUN	Holiday		
06	SUN	Holiday			06	WED		I	16	06	FRI		V	35	06	MON		IV	59
07	MON				07	THU		II	17	07	SAT		I	36	07	TUE		V	60
08	TUE	Womania 2022 Women's Day			08	FRI		III	18	08	SUN	Holiday			08	WED	IA test-3	I	61
09	WED				09	SAT	Holiday			09	MON		II	37	09	THU	IA test-3	II	62
10	THU				10	SUN	Holiday			10	TUE		III	38	10	FRI	IA test-3	III	63
11	FRI				11	MON		IV	19	11	WED		IV	39	11	SAT	IA test-3	IV	64
12	SAT				12	TUE		V	20	12	THU		V	40	12	SUN	Holiday		
13	SUN	Holiday			13	WED		I	21	13	FRI	IA test-2	I	41	13	MON	IA test-3	V	65
14	MON				14	THU	Tamil New Year Holiday			14	SAT	IA test-2	II	42	14	TUE	IA test-3	I	66
15	TUE				15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED	Syllabus completion	II	67
16	WED	Classes commence for IV, VI, VIII semester	I	1	16	SAT	Holiday			16	MON	IA test-2	III	43	16	THU		III	68
17	THU		II	2	17	SUN	Holiday			17	TUE	IA test-2	IV	44	17	FRI			
18	FRI		III	3	18	MON	IA test-1	II	22	18	WED	IA test-2	V	45	18	SAT	Commencement of University Practical exams		
19	SAT	Holiday			19	TUE	IA test-1	III	23	19	THU	IA test-2	I	46	19	SUN	Holiday		
20	SUN	Holiday			20	WED	IA test-1	IV	24	20	FRI		II	47	20	MON			
21	MON		IV	4	21	THU	IA test-1	V	25	21	SAT	Holiday			21	TUE			
22	TUE		V	5	22	FRI	IA test-1	I	26	22	SUN	Holiday			22	WED			
23	WED		I	6	23	SAT	IA test-1	II	27	23	MON		III	48	23	THU			
24	THU		II	7	24	SUN	Holiday			24	TUE		IV	49	24	FRI			
25	FRI		III	8	25	MON		III	28	25	WED		V	50	25	SAT	Holiday		
26	SAT	Holiday			26	TUE		IV	29	26	THU		I	51	26	SUN	Holiday		
27	SUN	Holiday			27	WED	Founder's Memorial day	V	30	27	FRI		II	52	27	MON			
28	MON		IV	9	28	THU	Students Feedback-I	I	31	28	SAT	Holiday			28	TUE	Commencement of University Theory exams		
29	TUE		V	10	29	FRI		II	32	29	SUN	Holiday			29	WED			
30	WED		I	11	30	SAT	Holiday			30	MON		III	53	30	THU			
31	THU		II	12						31	TUE	Students Feedback-II	IV	54					
			12	12				20	32				22	54				14	68
																	Total No.of working days for the semester :	68	

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012
Department of Mechanical Engineering
WORKLOAD -ALLOCATION FOR ACADEMIC YEAR 2021 -22(ODD)

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY/ LAB	HOURS	TOTAL HOURS
1	Dr. G. Jayaprakash Prof.	Design of Machine Elements	ME8593	III/V	THEORY	5	10
		Robotics	ME8099	IV/VII	THEORY	3	
		Computer Aided Machine Drawing	ME8381	II/III	LAB	2	
2	Dr. N.Baskar Prof.	Process Planning and Cost Estimation	ME8793	IV/VII	THEORY	4	9
		Manufacturing Technology -I	ME8351	II/III	THEORY	3	
		Manufacturing Technology Lab- I	ME8361	II/III	LAB	2	
3	Dr. R.Rekha Asso.Prof	Dynamics of Machines	ME8594	III/V	THEORY	5	11
		Mechatronics	ME8791	IV/VII	THEORY	4	
		Mechatronics Laboratory	ME8781	IV/VII	LAB	2	
4	Dr. M.R.Anantha Padmanaban Asso.Prof	Lean Six Sigma	OMF751	IV/VII	THEORY	3	12
		Renewable Sources of Energy	ME8072	IV/VII	THEORY	3	
		Engineering Graphics	GE8152	I/I	THEORY	4	
		Manufacturing Technology Lab- I	ME8361	II/III	LAB	2	
5	Dr. M.Ganesan Asso.Prof	Fluid Mechanics and Machinery	CE8394	II/III	THEORY	5	10
		Renewable Sources of Energy	ME8072	IV/VII	THEORY	3	
		Kinematics and Dynamics Lab	ME8511	III/V	LAB	2	
6	Dr. A. Mercy Vasan Asso. Prof.	Thermal Engineering-II	ME8595	III/V	THEORY	4	10
		Unit Operation and Control	EI8093	III/V	THEORY	4	
		Thermal Engineering Lab	ME8512	III/V	LAB	2	
7	Dr.G.Mahesh Asso. Prof.	Metrology and Measurements	ME8501	III/V	THEORY	3	9
		Engineering Graphics	GE8152	I/I	THEORY	4	
		Metrology and Measurements Lab	ME8513	III/V	LAB	2	
8	Mr.R.Suresh Babu Asst. Prof.	Design of Machine Elements	ME8593	III/V	THEORY	5	11
		Engineering Graphics	GE8152	I/I	THEORY	4	
		Kinematics and Dynamics Lab	ME8511	III/V	LAB	2	
9	Mr. S.Sathyanarayanan Asst. Prof.	Internal Combustion Engines	OAT552	III/V	THEORY	3	13
		Advanced I.C. Engines	TE5002	I/I(MET)	THEORY	3	
		Engineering Thermodynamics	ME8391	II/III	THEORY	5	
		Thermal Engineering Lab	ME8512	III/V	LAB	2	
10	Mr. S.Karthikeyan Asst. Prof.	Metrology and Measurements	ME8501	III/V	THEORY	3	9
		Engineering Graphics	GE8152	I/I	THEORY	4	
		Metrology and Measurements Lab	ME8513	III/V	LAB	2	
11	Mr. P.Jothi Palavesam Asst. Prof.	Robotics	ME8099	IV/VII	THEORY	3	11
		Engineering Graphics	GE8152	I/I	THEORY	4	
		Metrology and Measurements Lab	ME8513	III/V	LAB	2	
		Mechatronics Laboratory	ME8781	IV/VII	LAB	2	
12	Mr. P.V.Rajesh Asst. Prof.	Lean Six Sigma	OMF751	IV/VII	THEORY	3	9
		Engineering Graphics	GE8152	I/I	THEORY	4	
		Metrology and Measurements Lab	ME8513	III/V	LAB	2	
13	Mr. A.Ranjithraj Asst. Prof.	Process Planning and Cost Estimation	ME8793	IV/VII	THEORY	4	12
		Engineering Graphics	GE8152	I/ I	THEORY	4	
		Simulation and Analysis Lab	ME8711	IV/VII	LAB	2	
		Simulation and Analysis Lab	ME8711	IV/VII	LAB	2	
14	Ms.R.S. Shivaranjani Asst. Prof.	Thermal Engineering-II	ME8595	III/V	THEORY	4	10
		Advanced Fluid Mechanics	TE5102	I/I(MET)	THEORY	3	
		Thermal Engineering Lab	ME8512	III/V	LAB	2	
		Training & Placement (Verbal &Aptitude)	T&P	III/V	THEORY	1	
15	Mr.S.Vinoth Kumar Asst. Prof.	Dynamics of Machines	ME8594	III/V	THEORY	5	11
		Engineering Graphics	GE8152	I/I	THEORY	4	

		Kinematics and Dynamics Lab	ME8511	III/V	LAB	2	
16	Mr.P.Vigneshwar Asst. Prof.	Mechatronics	ME8791	IV/VII	THEORY	4	10
		Advanced Thermodynamics	TE5101	I/I(MET)	THEORY	3	
		Training & Placement (Verbal &Aptitude)	T&P	III/V	THEORY	1	
		Mechatronics Laboratory	ME8781	IV/VII	LAB	2	
17	Mr. S.Paramguru Asst. Prof.	Internal Combustion Engines	OAT552	III/V	THEORY	3	11
		Engineering Graphics	GE8152	I/I	THEORY	4	
		Simulation and Analysis Lab	ME8711	IV/VII	LAB	2	
		Simulation and Analysis Lab	ME8711	IV/VII	LAB	2	
18	Mr. K.Amarnath Asst. Prof.	Power Plant Engineering	ME8792	IV/VII	THEORY	4	13
		Engineering Graphics	GE8152	I/I	THEORY	4	
		Energy Resources	EY5152	I/I(MET)	THEORY	3	
		Computer Aided Machine Drawing	ME8381	II/III	LAB	2	
19	Mr. M.Sriram Prasanth Asst. Prof.	Power Plant Engineering	ME8792	IV/VII	THEORY	4	11
		Advanced Heat Transfer	TE5151	I/I(MET)	THEORY	3	
		Thermal Engineering Laboratory	TE5111	I/I(MET)	LAB	2	
		Thermal Engineering Lab	ME8512	III/V	LAB	2	
						TOTAL	**202**



Subject Allocation for the Academic Year 2021-2022(EVEN)

Sl.No.	Faculty Name	Designation	Subject choice (Theory & Lab)			
			Theory 1	Theory 2	Lab 1	Lab 2
1	Dr. G. Jayaprakash	Prof & Head				
2	Dr. N. Baskar	Professor	Finite Element Analysis - ME8692	Manufacturing Technology-II ME8451	Project work - ME8811	
3	Dr.M.Anantha Padmanaban	Asso. Prof.	Professional Ethics in Engineering	Engineering Metallurgy	Engineering Practices Laboratory - GE3271	
4	Dr. R. Rekha	Asso. Prof.	Design of Transmission System - ME8651 - Section A	Strength of Materials for Mechanical Engineers	Project work - ME8811	Strength of Materials and Fluid Mechanics and Machinery Laboratory-CE8381
5	Dr. M.Ganesan	Asso. Prof.	Strength of Materials for Mechanical Engineers-CE8395	Finite Element Analysis - ME8692	Project work - ME8811	Strength of Materials and Fluid Mechanics and Machinery Laboratory-CE8381
6	Dr. A. Mercy Vasan	Asso. Prof.	Gas Dynamics and Jet Propulsion - ME8096	ME(Thermal) Environment Engineering and Pollution Control TE5291	Engineering Practices Laboratory - GE3271	
7	Dr.G.Mahesh	Asso. Prof.	Kinematics of Machinery	Engineering Graphics-GE3251	Engineering Practices Laboratory - GE3271	
8	Mr.R.Sureshbabu	Asst.Prof.	Design of Transmission System - ME8651 - Section A	Engineering Graphics-GE3251	Design and fabrication project - Section B	Design and fabrication project - Section A
9	Mr. S.Sathyanarayanan	Asst.Prof.	Gas Dynamics and Jet Propulsion - ME8096	Engineering Graphics-GE3251	Engineering Practices Laboratory - GE3271	
10	Mr. S.Karthikeyan	Asst.Prof.	Compter Aided Design and Manufacturing - ME8691	Engineering Graphics-GE3251	Design and fabrication project - Section A	Design and fabrication project - Section B
11	Mr.A.Ranjithraj	Asst.Prof.	PRODUCTION PLANNING AND CONTROL - IE8693	Engineering Graphics-GE3251	CAD/CAM Laboratory-ME8681	
12	Mr.P.Jothi Palavesam	Asst.Prof.	production planning and control	principles of managements		
13	Mr.P.V.Rajesh	Asst.Prof.	Production planning and control - IE 8693	Engineering Graphics- GE3251	Project work - ME8811	Manufacturing Technology Lab-2 ME8462
14	Mr.S.Vinoth Kumar	Asst.Prof.	Strength of Materials for Mechanical Engineers-CE8395	Engineering Graphics-GE3251	Strength of Materials and Fluid Mechanics and Machinery Laboratory-CE8381	
15	Miss.R.S.Shivaranjani	Asst.Prof.	Basic Mechanical Engineering	Engineering Graphics - GE3251	Engineering Practices Laboratory - GE3271	
16	Mr.P.Vigneshwar	Asst.Prof.	Heat and Mass transfer - ME8693	Engineering Graphics - GE3251	CAD/CAM Laboratory-ME8681	
17	Mr.S.Paramaguru	Asst.Prof.	Thermal Engineering - I - ME8493	Engineering graphics -GE3251	Engineering Practices Laboratory - GE3271	
18	Mr.K.Amarnath	Asst.Prof.	Heat and mass transfer-ME8693	Engineering graphics -GE3251	CAD/CAM Laboratory-ME8681	
19	Mr.M.Sriram Prasanth	Asst.Prof.	Thermal Engineering - I - ME8493	Basic civil and Mechanical Engineering-BE325	Engineering Practices Laboratory - GE3271	



SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

COURSE FILE

ACADEMIC YEAR	2021-2022
SEMESTER/YEAR	V/III
COURSE CODE/ NBA CODE	ME8595/C301
COURSE TITLE	THERMAL ENGINEERING II
COURSE INSTRUCTOR	1. Dr.A.MERCY VASAN 2. Ms.R.S.SHIVARANJANI
DESIGNATION	1. ASSOCIATE PROFESSOR 2. ASSISTANT PROFESSOR
DEPARTMENT	MECHANICAL ENGINEERIN



SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, NBA Accredited, Affiliated to Anna University, Chennai)

DEPARTMENT OF INFORMATION TECHNOLOGY

REVIEW OF COURSE FILE

S.No.	Details	Review				
		1	2	3	4	5
	Date:	24/8/21	20/9/21	2/11/21		
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy [1]	✓	–	–		
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities [1]	✓	–	–		
3.	Syllabus signed by staff & HoD [1]	✓	–	–		
4.	Lecture Schedule signed by staff & HoD [1]	✓	–	–		
5.	Course Committee meeting circular and minutes [1]	✓	–	–		
6.	Identification of Curricular gap and Content Beyond the syllabus [1]	–	✓	–		
7.	Previous AU Question papers (at least 5) [1]	✓	–	–		
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers [1]	✓	–	✓		
9.	Unit wise course material [1]	✓	–	–		
10.	Assignment question paper with sample answer sheets (at least 3) and mark entry [2a]	–	✓	✓		
11.	Tutorial question paper with key (minimum 3 Tutorials per unit, 15 Tutorials per course) and mark entry [2a]	–	✓	✓		
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry [2a]	–	✓	✓		
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis. [2a]	–	✓	✓		
14.	Makeup Test - Q paper-Attendance-marks - sample answer papers [2a]	–	✓	✓		
15.	Remedial Test - Q paper- Attendance-marks - sample answer papers [2a]	–	✓	✓		
16.	AU Web portal entry sheet [2a]	–	–	–		
17.	Very poor performance in first two tests-action taken - communication to parents-evidence. [2]	–	–	–		
18.	Absence for two tests-action taken-communication to parents-evidence. [2]	–	–	–		
19.	Indiscipline of student reported, if any [2b]	–	–	–		
20.	Special class/coaching class/remedial class attendance-CAP [2b]	–	–	–		
21.	Conduct of Seminar, Quizzes - proof [2c]	–	–	–		
22.	Content beyond the syllabus - proof [2c]	–	–	✓		
23.	Course end survey [3]	–	–	✓		
24.	Internal Assessment sheet [3]	–	–	–		
25.	AU question paper with students feedback [3]	–	–	✓		
26.	Discrepancy of the question paper and correspondence, if any [3]	–	–	–		
27.	AU result analysis-Details of arrear students. [3]	–	–	–		
28.	AU grade sheet [3]	–	–	–		
29.	CO – PO & PSO attainment sheet [3]	–	–	✓		
	Signature of Course handling faculty					
	Signature of HoD					

Saranathan College of Engineering
Department of Mechanical Engineering

Lesson Plan

Sub Code & Name : OAT552- INTERNAL COMBUSTION ENGINES

Branch: Mechanical Engineering **Semester:**V

Date: 16-08-2021

Session No.	Topics to be covered	Duration	Ref	Teaching Method
UNIT - I INTRODUCTION IC ENGINE				
1.	Introduction, Types of IC engines, Constructional details IC engine	2 Period	T1, R1	BB
2.	Working, principles – 2 & 4 stroke engines, Cycles	1 Period	T1, R1	BB & LCD
3.	Cycles - Air standard cycles, Fuel air cycles and actual cycles	2 Period	R1, R2	BB
4.	Actual Indicator diagram for four stroke and two stroke engines	1 Period	R1, R2	BB
5.	General fuel properties, ignition properties – octane and cetane rating,	2 Period	R1, R2	BB& LCD
6.	Materials for engine components	1 Period	R1, R2	BB& LCD
	Unit Total	9 Periods		
UNIT - II PETROL ENGINES				
7.	Working and constructional details of petrol engines	1 Period	T1, R1	BB& LCD
8.	Carburetor – constructional and working, types of carburetors, additional features in modern carburetor	2 Period	T1, R1	BB
9.	A/F ratio calculation, Petrol Injection - introduction	1 Period	T1, R1	BB
10.	Ignition – introduction and requirements, Battery and magneto coil ignition system,	1 Period	T1, R1	BB& LCD
11.	Electronic ignition system & Stages of combustion in petrol engines	2 Period	T1, R1	BB& LCD
12	Combustion chambers for petrol engine, formation of knock in petrol engine	2 Period	T1, R1	BB& LCD
	Unit Total	9 Periods		
UNIT - III DIESEL ENGINES				
13	Working and constructional details of diesel engines	1 Period	R1, R2	BB**& LCD**
14	fuel injection – requirements, types of injection systems – inline, distributor pumps, unit injector	2 Period	R1, R2	BB
15	Mechanical and pneumatic governors. Fuel injector, Types of injection nozzles, Spray characteristics. Injection timing, Split and multiple injection	2 Period	R1, R2	BB& LCD
16	Stages of combustion in Diesel engines direct and & indirect combustion chambers for diesel engine	2 Period	R1, R2	BB& LCD
17	knocking in diesel engine	1 Period	R1, R2	BB& LCD
18	Introduction on supercharging and turbo charging	1 Period	R1, R2	BB
	Unit Total	9 Periods		

UNIT - IV	**COOLING AND LUBRICATION**			
19.	Requirements, Types- Air cooling and liquid cooling systems	2 Period	T1, R1	BB& LCD
20.	forced circulation cooling system, pressure and Evaporative cooling systems	2 Period	T1, R1	BB& LCD
21.	properties of coolants for IC engine	1 Period	T1, R1	BB& LCD
22.	Need of lubrication, Lubricants for IC engines - Properties of lubricants	2 Period	T1, R1	BB
23.	Types of lubrication – Mist, Wet and dry sump lubrication systems.	2 Period	T1, R1	BB
	Unit Total	9 Periods		
UNIT - V	**MODERN TECHNOLOGIES IN IC ENGINES**			
24.	HCCI Engines – construction and working	1 Period	R1, R2	BB
25.	CRDi injection system	1 Period	R1, R2	BB
26.	GDI Technology	1 Period	R1, R2	BB& LCD
27.	E - Turbocharger	2 Period	R1, R2	BB& LCD
28.	Variable compression ratio engines	1 Period	R1, R2	BB
29.	variable valve timing technology	1 Period	R1, R2	BB
30.	Fuel cell	1 Period	R1, R2	BB& LCD
31.	Hybrid Electric Technology	1 Period	R1, R2	BB& LCD
	Unit Total	9 Periods		
	Grand Total	45 periods		

	Prepared by	**Approved by**
Signature		
Name	Mr.S. Sathyanarayanan	Dr. G. Jayaprakash
Designation	Asst. Prof./Mechanical Engg.	Professor & H.O.D./Mechanical Engg.
Date	**16-08-2021**	**16-08-2021**

2. LESSON PLAN

	SARANATHANCOLLEGE OF ENGINEERING **DEPARTMENT OF MECHANICAL ENGINEERING**			
	Sub Code &Name : ME8693,Heat and Mass Transfer **Branch: MECHANICAL ENGINEERING Semester : VI**		**Date: 02.03.2022** **Page 1 of 2**	
Session No	**Topics to be covered**	**Duration**	**Ref**	**Teaching Method**
	UNIT-I			
1	General Differential equation of Heat Conduction– Cartesian and Polar Coordinates – One dimensional steady state heat conduction	2	T1	BB
2	Plane and Composite Systems	2	T1	BB
3	Conduction with Internal Heat Generation	1	T1	BB
4	Extended Surfaces	2	T1	BB
5	Unsteady Heat Conduction – Lumped Analysis – Semi Infinite and Infinite Solids –Use of Heisler's charts	2	T1	BB
	Unit periods	**9**		
	UNIT-II			
1	Free and Forced Convection	1	T1	BB
2	Hydrodynamic and Thermal Boundary Layer.	1	T1	BB
3	Free Convection during external flow over Plates	2		
4	Free Convection during external flow over and Cylinders and Internal flow through tubes.	2		
5	Forced Convection during external flow over Plates	2	T1	BB
6	Forced Convection during external flow over Cylinders and Internal flow through tubes	1	T1	BB
	Unit periods	**9**		
	UNIT III			
1	Nusselt's theory of condensation - Regimes of Pool boiling and Flow boiling. Correlations in boiling and condensation.	2	T1	BB
2	Heat Exchanger Types - Overall Heat Transfer Coefficient – Fouling Factors	2	T1	BB
3	Heat Exchanger Analysis	1	T1	BB
3	LMTD method	2	T1	BB
4	NTU method.	2	T1	BB
	Unit periods	**9**	T1	

2. LESSON PLAN

	UNIT IV			
1	Black Body Radiation – Grey body radiation	1	T1	BB
2	Shape Factor	2	T1	BB
3	Electrical Analogy	2	T1	BB
4	Radiation Shields.	2	T1	BB
5	Radiation through gases	2	T1	BB
	Unit periods	**9**		
	UNIT V			
1	Basic Concepts – Diffusion Mass Transfer – Fick's Law of Diffusion.	2	T1	BB
2	Steady state Molecular Diffusion	3	T1	BB
3	Convective Mass Transfer – Momentum, Heat and Mass Transfer Analogy	3	T1	BB
4	Convective Mass Transfer Correlations	1	T1	BB
	Unit periods	9		

Note: T1 refers to Text book 1 and R1 refers to Reference book 1 as suggested in Page 1 of Lesson Plan. BB refers to teaching with Black Board and OHP/LCD refers to teaching with Projector.

	Prepared by	**Approved by**
Signature		
Name	**Mr.P.Vigneshwar & Mr. K.Amarnath**	**Dr. G. Jayaprakash**
Designation	**Assistant Professors**	**H.O.D/Mechanical**
Date	**02/03/2022**	

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE,Affiliated to Anna University-Chennai-25)
Department of Mechanical Engineering
(Accredited by NBA)

ASSIGNMENT

NAME : GURUPRASANTH. R
BATCH NO : 226132
COURSE : **Design of Machine Elements**
COURSE CODE : **ME8593**
YEAR/SEC : **III / B**
ACADEMIC YEAR : **2021-2022/ODD**

CONTENT (6)	SUBMISSION (2)	PRESENTATION (2)	TOTAL (10)	STAFF SIGNATURE
06	02	02	10	

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE,Affiliated to Anna University-Chennai-25)

Department of Mechanical Engineering

(Accredited by NBA)

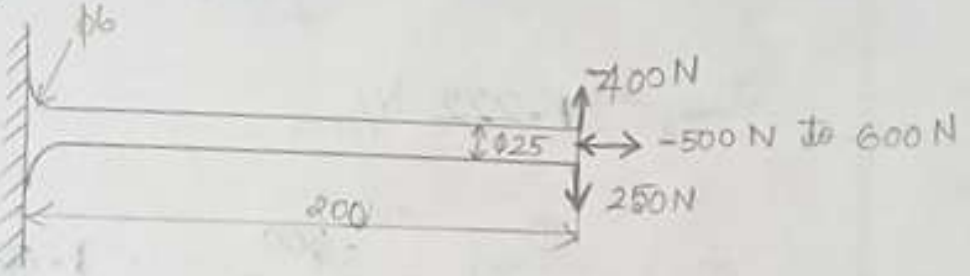
Assignment - 1		Date of Issue	02.09.2021	Marks	10
Course Code	ME 8593	Course Title	Design of Machine Elements		
Year	III	Sem/Section	05	B	

Q.No	Questions	CO	PO	PSO
1.	A 25 mm diameter steel cantilever beam 200 mm long is loaded at the free end with a force that varies from 250 N in downward direction to 400 N in upward direction. Also there is an axial force at the free end that varies from -500 N to 600 N. The point where the beam is connected to the support has a 6mm fillet causing a stress concentration factor of 1.3, notch sensitivity is 0.9, Ultimate tensile strength is 550 N/mm^2, endurance limit is 240 N/mm^2, yield strength is 415 N/mm^2, Calculate the design factor of safety.	302.2	3-6,12	1-3

Name and Signature of the Faculty Incharge

HOD/MECH

A 25 mm diameter steel cantilever beam 200mm long is loaded at the free end with a force that varies from 250 N in downward direction to 400 N in upward direction. Also there is an axial force at the free end that varies from -500 N to 600 N. The point where the beam is connected to the support has a 6 mm fillet carrying a stress concentration factor of 1.3, notch sensitivity is 0.9. Ultimate tensile strength is 550 N/mm², endurance limit is 240 N/mm², yield strength is 415 N/mm². Calculate the design factor of safety



Given data:

Stress concentration factor . $K_t = 1.3$

notch sensitivity , $q = 0.9$

Ultimate tensile strength $= 550 N/mm^2$

Endurance limit , $\sigma_{-1} = 240 N/mm^2$

yield strength , $\sigma_y = 415 N/mm^2$

To find:

The design factor of safety, n

Solution:

Total stress (equivalent static) acting on the beam $\sigma_{eq} = \sigma_{eq_d} + \sigma_{eq_b}$

(i) For Direct load:

$$\sigma_{eq_d} = \sigma_{m_d} + K_f \frac{\sigma_{a_d}}{\sigma_{-1}} \sigma_y \quad [DDB\ 7.6]$$

To find σ_{m_d}:

$$\sigma_{m_d} = \frac{\sigma_{max_d} + \sigma_{min_d}}{2} \quad [DDB\ 7.6]$$

$$\sigma_{max_d} = \frac{P_{max_d}}{A} = \frac{600}{\frac{\pi}{4}(25)^2} = \frac{600}{490.87}$$

$$\sigma_{max_d} = 1.222\ N/mm^2$$

$$\sigma_{min_d} = \frac{P_{min_d}}{A} = \frac{-500}{\frac{\pi}{4}(25)^2} = -1.086\ N/mm^2$$

$$\sigma_{m_d} = \frac{1.222 - 1.0186}{2} = -0.1017\ N/mm^2$$

To find σ_{a_d} [DDB 7.6]

$$\sigma_{a_d} = \frac{\sigma_{max_a} - \sigma_{min_a}}{2} = \frac{0.509 + 0.815}{2}$$

$$\sigma_{a_d} = 1.1203\ N/mm^2$$

$$\sigma_{eq_d} = -0.1017 + 1.3 \left(\frac{1.1203 \times 415}{240} \right)$$

$$\sigma_{eq_d} = 2.62 \text{ N/mm}^2$$

(ii) For Bending stress :

$$\sigma_{eq_b} = \sigma_{m_b} + K_f \frac{\sigma_a \sigma_y}{\sigma_{-1}} \quad [\text{DDB } 7.6]$$

To find σ_{max_b} and σ_{min_b},

$$\sigma_{max_b} = \frac{M_{b_{max}}}{Z} = \frac{P_{max_b} \times l}{\frac{\pi}{32}(d^3)} = \frac{250 \times 200}{\frac{\pi}{32}(25)^3}$$

$$\sigma_{max_b} = 32.595 \text{ N/mm}^2$$

$$\sigma_{min_b} = \frac{M_{b_{min}}}{Z} = \frac{P_{min_b} \times l}{\frac{\pi}{32} d^3} = \frac{-400 \times 200}{\frac{\pi}{32}(25)^3}$$

$$\sigma_{min_b} = -52.15 \text{ N/mm}^2$$

To find σ_{m_b},

$$\sigma_{m_b} = \frac{\sigma_{max_b} + \sigma_{min_b}}{2} = \frac{32.595 - 52.15}{2}$$

$$\sigma_{m_b} = -9.775 \text{ N/mm}^2$$

To find σ_{a_b},

$$\sigma_{a_b} = \frac{\sigma_{max_b} - \sigma_{min_b}}{2} = \frac{32.595 + 52.15}{2}$$

$$\sigma_{a_b} = 42.37 \text{ N/mm}^2$$

$$\sigma_{eq_b} = -9.775 + 1.3\left(\frac{42.37 \times 415}{240}\right)$$

$$\sigma_{eq_b} = 85.47 \ N/mm^2$$

$$\sigma_{eq} = \sigma_{eq_d} + \sigma_{eq_b} = \frac{\sigma_y}{n} \quad \text{[DDB}$$

$$\sigma_{eq} = 2.62 + 85.47 = \frac{\sigma_y}{n}$$

$$\sigma_{eq} = 88.09 = \frac{415}{n}$$

$$n = 4.71$$

Result:

The Design factor of safety, $n = 4.71$

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE,Affiliated to Anna University-Chennai-25)

Department of Mechanical Engineering

(Accredited by NBA)

TUTORIAL

NAME : SRIVARDHAN.C

BATCH NO : 226106

COURSE : **ME8593**

COURSE CODE : **Design of Machine Elements**

YEAR/SEC : **III / B**

Academic Year : **2021 – 22 - Odd**

SUBMISSION (5)	SOLVING METHODOLOGY (5)	TOTAL (10)	STAFF SIGNATURE
05	05	10	

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE,Affiliated to Anna University-Chennai-25)

Department of Mechanical Engineering

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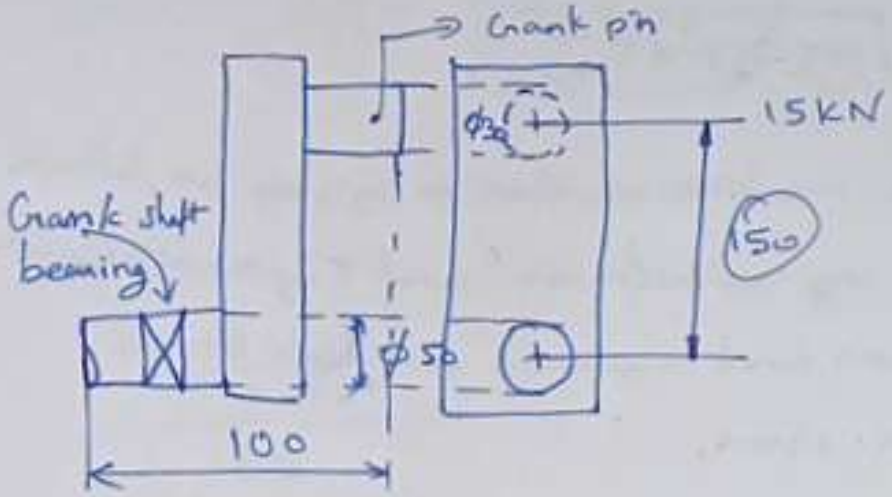
Tutorial - I		Date of Issue		Marks	10
Course Code	ME8593	Course Title	Design of Machine Elements		
Year	III	Sem/Section	V / A		

Q.No	Questions	CO	PO	PSO
1	A Crank shaft bearing is loaded at A meter as shown in figure. Determine the maximum principle stress, minimum principle stress and maximum shear stress acting on the bearing.	302.1	1-7, 9	1,2

Name and Signature of the Faculty Incharge

HOD/MECH

A Crank shaft bearing is loaded at A meter determine the maximum principle stress, minimum principle stress and maximum shear stress



$P = 15\ kN$ $\quad l_1 = 100$, $\quad d = 50$

$d = 50$ $\quad r = 150$

Bending stress

$$\sigma_b = \frac{M_b}{Z}$$

$$= \frac{PL.32}{\pi d^3}$$

$$\sigma_b = \frac{15 \times 10^3 \times 150 \times 32}{\pi \times 50^3} = 122.23\ N/mm^2$$

To find Torque.

$$M_t = \frac{\pi}{16} \cdot \tau \cdot d^3$$

$$P.r = \frac{\pi}{16} \cdot \tau \cdot d^3$$

$$15 \times 10^3 \times 150 = \frac{\pi}{16} \cdot \tau \cdot 50^3$$

$$\tau = 91.67\ N/mm$$

To find maximum principle stress

$$\sigma_1 = \frac{1}{2}\left[\sigma_x + \sqrt{\sigma_x^2 + 4\tau_{xy}^2}\right]$$

$$\sigma_1 = \frac{1}{2}\left[122.23 + \sqrt{122.23^2 + 4 \times 91.67^2}\right]$$

$$\sigma_1 = 171.29 \text{ N/mm}^2 = 355.53 \text{ N/mm}^2.$$

To find minimum principle stress

$$\sigma_2 = \frac{1}{2}\left[\sigma_x - \sqrt{\sigma_x^2 + 4\tau_{xy}^2}\right]$$

$$\sigma_2 = \frac{1}{2}\left[122.23 - \sqrt{122.23^2 + 4 \times 91.67^2}\right]$$

$$\sigma_2 = -49 \text{ N/mm}^2$$

To find Shear stress

$$\tau = \frac{1}{2}\sqrt{\sigma_x^2 + 4\tau_{xy}^2}$$

$$= \frac{1}{2}\sqrt{122.23^2 + 4 \times 91.67^2}$$

$$= 110.17 \text{ N/mm}^2$$

Result:

maximum principle stress $\sigma_1 = 171.29 \text{ N/mm}^2$

minimum principle stress $\sigma_2 = -49 \text{ N/mm}^2$

Max Shear stress $\tau = 110.17 \text{ N/mm}^2$

Saranathan College of Engineering

Department of Mechanical Engineering

ME 8511 Kinematics and Dynamics Laboratory

YEAR: 3 **SECTION: A & B**

S. No.	EXPERIMENTS	DATE
Cycle -1		
1	Motorized Gyroscope	20.09.2021
2	Determination of whirling speed of shafts	
3	Balance of rotating mass	
4	Torsional Vibration of shaft – Single rotor system	28.09.2021
5	Torsional Vibration of shaft – Two rotor system	
6	Compound Pendulum	
Cycle – 2		
7	Study of Universal Governor Apparatus WATT Governor & PORTER Governor	05.10.2021
8	Study of PROELL and HARTNELL Governor Apparatus	
9	Study of Cam - Follower Pair	12.10.2021
10	Balancing of Reciprocating Masses	
11	Simple Gear Train	22.10.2021
12	Compound Gear Train	
Cycle – 3		
13	Turn Table Apparatus	30.10.2021
14	Slider Crank Mechanism	
15	Kinematics of Universal Joints	
16	Vibration Table Apparatus	17.11.2021
17	Epicyclic Gear Train	
18	Gear Inspection using Gear Tooth Vernier Caliper	

Staff Signature

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 28/06/2022

Ref : SCE/Syllabus/ Theory/2021-22-Even Sem/Mech

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject DESIGN OF TRANSMISSION SYSTEMS code ME8651 for III - B year, IV - B semester, department of MECHANICAL B.E/B.Tech/MBA during the academic year 2021 – 22, even semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 40 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 5 years.

Signature : R.R

Name : Dr. R. REKHA

Designation : ASSOCIATE PROFESSOR

Department : MECHANICAL ENGINEERING

Date : 28/06/2022

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 24/6/2022

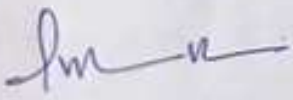
Ref : SCE/Syllabus/Laboratory/2021-22-Even Sem/Mech

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature : 

Name : M. G. MAHESH

Designation : Asso. Prof

Department : Mechanical

Signature :

Name :

Designation :

NA

Signature of HoD

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : MECH Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	ganesan-mech	AID-A/2	62	GE3251/Engineering Graphics	12.68	12.68	6.04	9.25	8.98	9.56	2.92	4.72	6.45	6.25	79.52
2	mrpadmanaban-mech	CIVIL-A/8	13	GE8076/Professional Ethics In Engineering	11.08	12.00	6.03	9.05	8.86	9.42	2.89	4.80	6.15	6.28	76.55
3	amar-mech	CSBS-A/2	51	GE3251/Engineering Graphics	13.94	13.65	6.87	10.78	10.54	10.73	3.56	5.55	7.15	7.31	90.08
4	ranjith-mech	CSE-A/2	62	GE3251/Engineering Graphics	13.79	13.98	6.89	10.72	10.26	10.57	3.57	5.42	7.15	7.48	89.84
5	vinothkumar-mech	CSE-B/2	53	GE3251/Engineering Graphics	11.89	11.26	6.04	8.78	8.83	8.97	2.93	4.62	6.34	5.86	75.51
6	sriram-mech	ECE-A/2	54	GE3251/Engineering Graphics	14.00	13.94	7.23	10.71	10.62	11.02	3.57	5.56	7.35	7.53	91.53
7	shivaranjani-mech	ECE-B/2	54	GE3251/Engineering Graphics	13.22	13.61	7.11	10.98	10.98	10.71	3.61	5.33	7.20	7.47	90.23
8	shivaranjani-mech	EEE-A/2	46	BE3255/Basic Civil And Mechanical Engineering	8.87	8.80	4.38	6.52	6.26	6.57	2.21	3.60	4.77	4.97	56.96
9	rajesh-mech	EEE-A/2	46	GE3251/Engineering Graphics	11.93	12.39	5.98	9.03	8.40	9.39	2.89	4.90	6.33	6.57	77.82
10	shivaranjani-mech	ICE-A/2	17	BE3255/Basic Civil And Mechanical Engineering	12.53	11.82	6.49	10.02	9.88	9.88	3.39	5.08	6.78	6.59	82.47
11	sureshbabu-mech	ICE-	17	GE3251/Engineering	13.76	13.76	6.59	10.16	9.74	10.87	3.29	5.58	7.34	7.44	88.54

		A/2		Graphics											
12	vigneshwar-mech	IT-A/2	59	GE3251/Engineering Graphics	13.78	13.42	6.59	10.74	10.33	10.58	3.51	5.41	7.38	7.21	88.95
13	mrpadmanaban-mech	MECH-A/2	39	GE3251/Engineering Graphics	8.46	8.77	5.25	7.82	7.26	7.88	2.42	4.34	5.54	5.83	63.56
14	vinothkumar-mech	MECH-A/4	56	CE8395/Strength Of Materials For Mechanical Engineers	11.20	10.45	5.40	7.84	8.01	8.10	2.70	4.48	5.77	4.77	68.72
15	baskar-mech	MECH-A/4	70	ME8451/Manufacturing Technology - Ii	12.86	13.24	6.35	8.85	9.43	9.50	3.01	5.07	6.70	6.95	81.95
16	mrpadmanaban-mech	MECH-A/4	71	ME8491/Engineering Metallurgy	11.75	11.49	5.84	9.16	9.23	9.23	3.00	4.56	6.02	6.29	76.56
17	mahesh-mech	MECH-A/4	70	ME8492/Kinematics Of Machinery	13.84	14.01	7.20	11.11	11.18	11.11	3.69	5.55	7.25	7.52	92.46
18	sriram-mech	MECH-A/4	71	ME8493/Thermal Engineering- I	12.76	12.42	6.40	9.77	10.01	9.77	3.18	4.85	6.45	6.74	82.34
19	sathyanarayanan-mech	MECH-A/6	61	ME8096/Gas Dynamics And Jet Propulsion	13.23	13.03	6.95	10.54	10.39	10.43	3.41	5.41	7.08	7.13	87.61
20	sureshbabu-mech	MECH-A/6	61	ME8651/Design Of Transmission Systems	14.16	14.21	7.42	10.90	10.98	11.17	3.51	5.59	7.45	7.58	92.98
21	paramaguru-mech	MECH-A/6	61	ME8691/Computer Aided Design And Manufacturing	13.48	13.28	7.19	10.78	10.82	10.70	3.58	5.33	7.21	7.21	89.58
22	baskar-mech	MECH-A/6	61	ME8692/Finite Element Analysis	12.98	12.89	6.50	9.29	9.09	9.72	3.10	5.00	6.74	6.74	82.04
23	vigneshwar-mech	MECH-A/6	61	ME8693/Heat And Mass Transfer	13.48	12.98	7.06	10.43	10.43	10.43	3.54	5.15	7.08	6.95	87.52
24	jayaprakash-mech	MECH-A/6	61	ME8694/Hydraulics And Pneumatics	12.30	12.15	6.48	9.80	9.95	9.60	3.28	4.47	6.45	6.58	81.05
25	rajesh-mech	MECH-A/8	12	IE8693/Production Planning And Control	12.75	12.75	6.67	9.80	10.00	9.80	3.33	5.10	6.80	6.80	83.80
26	mercyvasan-mech	MECH-B/6	72	ME8096/Gas Dynamics And Jet Propulsion	13.38	13.33	7.20	10.23	10.23	10.47	3.56	5.33	7.07	6.84	87.64

27	rekha-mech	MECH-B/6	70	ME8651/Design Of Transmission Systems	12.39	12.34	6.56	9.70	9.09	9.63	3.28	4.92	6.47	6.47	80.85
28	karthi-mech	MECH-B/6	70	ME8691/Computer Aided Design And Manufacturing	13.50	13.46	7.09	10.80	10.87	10.63	3.61	5.35	7.20	7.13	89.63
29	ganesan-mech	MECH-B/6	68	ME8692/Finite Element Analysis	13.37	13.19	6.87	9.95	9.88	10.13	3.32	4.99	6.82	6.73	85.26
30	amar-mech	MECH-B/6	70	ME8693/Heat And Mass Transfer	13.03	12.73	6.90	10.46	10.01	10.42	3.47	5.23	6.93	6.83	86.01
31	jothi-mech	MECH-B/6	71	ME8694/Hydraulics And Pneumatics	12.04	12.04	6.49	9.57	9.50	9.67	3.27	4.95	6.24	6.47	80.24
32	jayaprakash-mech	MECH-B/6	1	MG8591[8]/Principles Of Management	3.00	3.00	1.60	2.40	2.40	2.40	.80	1.20	3.20	1.60	21.60
33	ranjith-mech	MECH-B/8	24	IE8693/Production Planning And Control	13.00	13.00	6.87	10.70	10.80	10.50	3.53	5.45	7.13	7.27	88.25



Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : MECH Month&Year: 2ND FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	mercyvasan-mech	ICE-A/5	41	EI8093/Unit Operation And Control	14.34	14.27	6.63	9.07	9.19	10.01	3.20	5.12	6.60	5.78	84.21
2	ganesan-mech	MECH-A/3	32	CE8394/Fluid Mechanics And Machinery	14.44	14.62	6.65	9.90	10.05	9.82	3.33	4.88	6.75	6.90	87.34
3	baskar-mech	MECH-A/3	15	ME8351/Manufacturing Technology - I	14.20	14.00	6.19	8.96	8.80	8.96	2.77	4.72	6.61	6.19	81.40
4	sathyanarayanan-mech	MECH-A/3	32	ME8391/Engineering Thermodynamics	14.44	14.44	6.50	9.90	9.98	9.75	3.33	5.21	6.80	7.15	87.49
5	mahesh-mech	MECH-A/5	40	ME8501/Metrology And Measurements	14.48	14.55	6.84	10.98	10.44	10.26	3.42	5.22	6.96	7.12	90.26
6	jayaprakash-mech	MECH-A/5	36	ME8593/Design Of Machine Elements	14.58	14.50	6.44	9.47	10.13	9.80	3.20	4.87	6.09	6.31	85.39
7	rekha-mech	MECH-A/5	37	ME8594/Dynamics Of Machines	14.68	14.59	6.88	10.70	10.18	10.44	3.50	5.25	7.22	6.57	90.03
8	shivaranjani-mech	MECH-A/5	40	ME8595/Thermal Engineering- Ii	14.25	14.18	6.16	9.36	8.28	9.36	3.04	4.44	6.44	6.20	81.71
9	paramaguru-mech	MECH-A/5	38	OAT552/Internal Combustion Engines	14.84	14.68	6.95	10.80	10.55	10.42	3.47	5.15	7.16	7.24	91.26
10	mrpadmanaban-mech	MECH-A/7	34	ME8072/Renewable Sources Of Energy	13.85	13.32	5.93	9.39	9.18	8.89	2.99	4.20	5.74	5.84	79.33
11	jayaprakash-mech	MECH-A/7	35	ME8099/Robotics	13.80	13.80	6.08	9.12	8.91	8.78	3.22	4.46	6.03	6.26	80.47

12	rekha-mech	MECH-A/7	37	ME8791/Mechatronics	13.78	13.86	6.31	9.02	8.95	9.15	3.09	4.48	6.36	6.18	81.18
13	sriram-mech	MECH-A/7	38	ME8792/Power Plant Engineering	13.58	13.66	5.94	9.09	8.91	9.03	3.01	4.36	5.98	5.94	79.49
14	baskar-mech	MECH-A/7	37	ME8793/Process Planning And Cost Estimation	13.54	13.46	6.23	8.76	8.95	8.95	3.09	4.77	6.36	6.18	80.29
15	rajesh-mech	MECH-A/7	36	OMF751/Lean Six Sigma	13.92	13.92	6.44	9.33	8.87	9.07	3.00	4.50	6.00	6.27	81.31
16	karthi-mech	MECH-B/5	20	ME8501/Metrology And Measurements	14.85	14.85	7.20	11.04	10.92	10.80	3.72	5.28	7.20	7.12	92.98
17	sureshbabu-mech	MECH-B/5	24	ME8593/Design Of Machine Elements	14.88	14.88	7.00	10.10	9.80	10.40	3.33	5.45	7.20	7.13	90.17
18	vinothkumar-mech	MECH-B/5	18	ME8594/Dynamics Of Machines	14.33	14.33	6.67	9.73	9.07	9.87	3.20	4.87	6.76	6.40	85.22
19	mercyvasan-mech	MECH-B/5	23	ME8595/Thermal Engineering- Ii	14.35	14.35	6.82	9.50	9.29	9.60	3.48	4.85	6.82	6.33	85.37
20	sathyanarayanan-mech	MECH-B/5	18	OAT552/Internal Combustion Engines	14.83	14.83	7.29	11.20	11.33	11.33	3.60	5.47	7.47	7.47	94.82
21	ganesan-mech	MECH-B/7	49	ME8072/Renewable Sources Of Energy	14.51	14.51	6.79	9.89	10.04	10.19	3.38	4.92	6.89	7.02	88.15
22	jothi-mech	MECH-B/7	49	ME8099/Robotics	14.57	14.51	6.69	10.04	9.70	10.09	3.36	4.90	6.69	6.96	87.51
23	vigneshwar-mech	MECH-B/7	49	ME8791/Mechatronics	14.57	14.57	6.63	10.09	9.80	9.99	3.44	5.24	6.76	7.02	88.11
24	amar-mech	MECH-B/7	51	ME8792/Power Plant Engineering	14.76	14.59	6.90	9.98	9.88	10.16	3.50	5.15	7.06	7.12	89.11
25	ranjith-mech	MECH-B/7	49	ME8793/Process Planning And Cost Estimation	14.63	14.51	6.63	10.14	10.24	10.24	3.23	4.90	6.66	6.63	87.80
26	mrpadmanaban-mech	MECH-B/7	49	OMF751/Lean Six Sigma	14.39	14.20	6.47	9.65	9.99	9.94	3.33	4.73	6.73	6.89	86.31



Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **7** Programme: **B.E/B.Tech (MECH)**
Subject Code : **ME8791** NBA Code : **C403** Title **MECHATRONICS**
Faculty: Dr.R.Rekha / Mr.P.Vigneshwar

Cos	CO Description	Attained Level	%
C403.1	Discuss the interdisciplinary applications of electronics, electrical and computer system for the control of mechanical, electronic system and sensor technology.	2.51	83.67
C403.2	Outline appropriate sensors and actuators for an engineering application.	2.5	83.33
C403.3	Discuss the architecture, pin diagram and addressing modes of microprocessor and microcontroller	2.5	83.33
C403.4	Discuss programmable peripheral interface, Architecture of 8255 and various device interfacing	2.54	84.67
C403.5	Explain the architecture, programming and application of PLC to problems and challenges in the areas of mechatronic engineering	2.43	81.00
C403.6	Discuss various actuators and mechatronic system using the knowledge and acquired through the course and also from the given case studies	2.46	82.00

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 127

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
216001	ME8791	3	3	2	2	2	2	30/03/2022	MECH	7
216002	ME8791	2	3	2	3	3	2	30/03/2022	MECH	7
216003	ME8791	3	2	2	3	3	2	30/03/2022	MECH	7
216004	ME8791	3	3	2	2	3	2	30/03/2022	MECH	7
216006	ME8791	3	2	3	3	2	3	30/03/2022	MECH	7
216007	ME8791	3	2	3	3	2	2	30/03/2022	MECH	7
216008	ME8791	2	2	2	3	2	3	30/03/2022	MECH	7
216009	ME8791	3	3	2	3	3	3	30/03/2022	MECH	7
216010	ME8791	3	2	2	2	2	2	30/03/2022	MECH	7
216011	ME8791	3	3	2	2	2	3	30/03/2022	MECH	7
216012	ME8791	2	2	2	2	3	2	30/03/2022	MECH	7
216013	ME8791	3	2	3	3	2	2	30/03/2022	MECH	7
216014	ME8791	3	3	2	2	3	2	30/03/2022	MECH	7
216015	ME8791	3	3	3	3	2	3	30/03/2022	MECH	7
216016	ME8791	3	3	2	3	3	3	30/03/2022	MECH	7
216017	ME8791	2	2	3	3	2	2	30/03/2022	MECH	7
216018	ME8791	3	2	3	3	2	2	30/03/2022	MECH	7

216019	ME8791	3	2	3	2	3	2	30/03/2022	MECH	7
216020	ME8791	2	3	3	3	3	3	30/03/2022	MECH	7
216021	ME8791	2	2	2	2	2	3	30/03/2022	MECH	7
216022	ME8791	3	3	2	2	3	3	30/03/2022	MECH	7
216023	ME8791	2	2	3	3	2	2	30/03/2022	MECH	7
216024	ME8791	2	3	2	2	2	3	30/03/2022	MECH	7
216026	ME8791	3	2	2	3	3	3	30/03/2022	MECH	7
216027	ME8791	2	2	2	3	3	3	30/03/2022	MECH	7
216028	ME8791	3	3	3	3	2	3	30/03/2022	MECH	7
216029	ME8791	3	2	3	3	2	2	30/03/2022	MECH	7
216030	ME8791	2	3	2	3	2	2	30/03/2022	MECH	7
216031	ME8791	2	2	2	3	3	2	30/03/2022	MECH	7
216032	ME8791	2	2	3	3	3	2	30/03/2022	MECH	7
216034	ME8791	2	3	2	3	3	2	30/03/2022	MECH	7
216035	ME8791	2	2	3	3	3	3	30/03/2022	MECH	7
216036	ME8791	2	2	2	3	2	3	30/03/2022	MECH	7
216037	ME8791	3	3	3	3	2	3	30/03/2022	MECH	7
216038	ME8791	3	3	3	3	2	3	30/03/2022	MECH	7
216039	ME8791	2	2	3	2	2	2	30/03/2022	MECH	7
216040	ME8791	2	3	2	2	2	2	30/03/2022	MECH	7
216041	ME8791	3	2	2	3	2	3	30/03/2022	MECH	7
216042	ME8791	3	2	3	2	2	2	30/03/2022	MECH	7
216043	ME8791	2	3	3	2	2	2	30/03/2022	MECH	7
216044	ME8791	2	3	2	3	3	2	30/03/2022	MECH	7
216045	ME8791	3	2	3	2	2	3	30/03/2022	MECH	7
216046	ME8791	3	3	2	3	2	3	30/03/2022	MECH	7
216047	ME8791	3	2	3	2	2	3	30/03/2022	MECH	7
216048	ME8791	3	3	3	2	2	2	30/03/2022	MECH	7
216049	ME8791	2	3	2	2	3	2	30/03/2022	MECH	7
216050	ME8791	2	2	3	2	2	3	30/03/2022	MECH	7
216051	ME8791	2	3	3	3	2	3	30/03/2022	MECH	7
216052	ME8791	3	3	2	3	3	3	30/03/2022	MECH	7
216053	ME8791	3	2	2	2	2	3	30/03/2022	MECH	7
216054	ME8791	3	3	2	3	3	2	30/03/2022	MECH	7
216055	ME8791	3	2	3	2	2	2	30/03/2022	MECH	7
216056	ME8791	2	2	2	3	2	3	30/03/2022	MECH	7
216057	ME8791	2	3	2	2	3	3	30/03/2022	MECH	7
216058	ME8791	3	3	3	2	3	2	30/03/2022	MECH	7
216059	ME8791	2	3	2	2	3	3	30/03/2022	MECH	7

216060	ME8791	3	2	3	3	3	2	30/03/2022	MECH	7
216061	ME8791	3	2	3	3	3	3	30/03/2022	MECH	7
216062	ME8791	3	2	2	2	3	3	30/03/2022	MECH	7
216063	ME8791	2	2	2	3	3	2	30/03/2022	MECH	7
216064	ME8791	2	3	3	2	2	3	30/03/2022	MECH	7
216065	ME8791	2	2	3	2	2	2	30/03/2022	MECH	7
216066	ME8791	2	3	2	2	2	2	30/03/2022	MECH	7
216067	ME8791	2	3	2	3	3	3	30/03/2022	MECH	7
216068	ME8791	2	2	2	3	3	3	30/03/2022	MECH	7
216069	ME8791	2	2	3	2	2	2	30/03/2022	MECH	7
216070	ME8791	3	3	3	2	2	3	30/03/2022	MECH	7
216071	ME8791	3	2	2	3	3	2	30/03/2022	MECH	7
216072	ME8791	2	3	3	3	3	2	30/03/2022	MECH	7
216073	ME8791	2	2	2	3	3	3	30/03/2022	MECH	7
216074	ME8791	2	2	3	3	3	2	30/03/2022	MECH	7
216075	ME8791	2	2	3	2	3	2	30/03/2022	MECH	7
216076	ME8791	2	2	3	2	2	2	30/03/2022	MECH	7
216077	ME8791	3	3	3	2	2	2	30/03/2022	MECH	7
216078	ME8791	3	2	3	3	2	3	30/03/2022	MECH	7
216079	ME8791	2	2	2	2	2	3	30/03/2022	MECH	7
216080	ME8791	2	2	2	3	3	2	30/03/2022	MECH	7
216081	ME8791	3	2	3	2	3	3	30/03/2022	MECH	7
216082	ME8791	3	3	2	3	2	2	30/03/2022	MECH	7
216083	ME8791	3	2	2	3	2	3	30/03/2022	MECH	7
216084	ME8791	2	2	2	3	2	3	30/03/2022	MECH	7
216085	ME8791	2	3	2	3	2	3	30/03/2022	MECH	7
216086	ME8791	3	3	2	2	2	2	30/03/2022	MECH	7
216087	ME8791	2	2	3	3	2	2	30/03/2022	MECH	7
216088	ME8791	2	3	2	2	2	2	30/03/2022	MECH	7
216089	ME8791	3	2	3	2	2	2	30/03/2022	MECH	7
216090	ME8791	2	3	2	2	2	2	30/03/2022	MECH	7
216092	ME8791	3	2	2	2	3	3	30/03/2022	MECH	7
216093	ME8791	3	3	3	3	3	3	30/03/2022	MECH	7
216095	ME8791	2	2	2	3	3	3	30/03/2022	MECH	7
216096	ME8791	2	3	3	2	2	3	30/03/2022	MECH	7
216097	ME8791	3	2	2	2	3	3	30/03/2022	MECH	7
216099	ME8791	2	3	3	2	2	2	30/03/2022	MECH	7
216100	ME8791	3	3	3	3	2	3	30/03/2022	MECH	7
216101	ME8791	3	3	3	2	3	2	30/03/2022	MECH	7

216103	ME8791	3	2	3	3	2	3	30/03/2022	MECH	7
216104	ME8791	3	3	2	3	2	3	30/03/2022	MECH	7
216105	ME8791	2	3	3	2	2	3	30/03/2022	MECH	7
216106	ME8791	3	3	2	2	2	3	30/03/2022	MECH	7
216107	ME8791	2	3	3	3	2	2	30/03/2022	MECH	7
216108	ME8791	3	3	2	2	3	3	30/03/2022	MECH	7
216109	ME8791	2	3	3	2	2	2	30/03/2022	MECH	7
216110	ME8791	3	2	3	3	2	2	30/03/2022	MECH	7
216111	ME8791	2	3	3	3	3	2	30/03/2022	MECH	7
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216114	ME8791	2	3	3	3	3	2	30/03/2022	MECH	7
216115	ME8791	3	3	3	3	2	3	30/03/2022	MECH	7
216116	ME8791	2	2	3	2	3	3	30/03/2022	MECH	7
216117	ME8791	3	3	2	3	3	2	30/03/2022	MECH	7
216118	ME8791	2	3	2	2	2	2	30/03/2022	MECH	7
216119	ME8791	3	2	3	2	2	3	30/03/2022	MECH	7
216120	ME8791	2	2	3	2	3	3	30/03/2022	MECH	7
216121	ME8791	3	2	2	3	3	3	30/03/2022	MECH	7
216122	ME8791	3	2	2	3	3	2	30/03/2022	MECH	7
216123	ME8791	2	3	2	3	3	2	30/03/2022	MECH	7
216124	ME8791	3	3	3	2	2	2	30/03/2022	MECH	7
216125	ME8791	2	3	3	2	2	2	30/03/2022	MECH	7
216126	ME8791	3	3	3	2	2	2	30/03/2022	MECH	7
216127	ME8791	3	3	2	3	2	2	30/03/2022	MECH	7
216128	ME8791	3	3	3	3	3	2	30/03/2022	MECH	7
216129	ME8791	3	2	3	3	2	2	30/03/2022	MECH	7
216130	ME8791	2	3	3	3	3	2	30/03/2022	MECH	7
216131	ME8791	2	2	3	2	2	2	30/03/2022	MECH	7
216132	ME8791	2	2	2	3	2	2	30/03/2022	MECH	7
216133	ME8791	3	3	2	2	3	3	30/03/2022	MECH	7
216134	ME8791	3	2	3	2	3	2	30/03/2022	MECH	7
Attained Level		2.51	2.5	2.5	2.54	2.43	2.46			
%		83.67	83.33	83.33	84.67	81.00	82.00			



SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF MANAGEMENT STUDIES

ACADEMIC PLANNER - I Year MBA (I SEMESTER) - ODD Semester - (Nov 2021 - March 2022)

NOVEMBER	Day	DETAILS	DAY ORDER	Working Day	DECEMBER	Day	DETAILS	DAY ORDER	Working Day	JANUARY	Day	DETAILS	DAY ORDER	Working Day	FEBRUARY	Day	DETAILS	DAY ORDER	Working Day	MARCH	Day	DETAILS	DAY ORDER	Working Day
1	Mon				1	Wed		I	9	1	Sat	NEW YEAR			1	Tue	I.A TEST - II	II	51	1	Tue	MODEL EXAM	II	71
2	Tue				2	Thu		II	10	2	Sun	HOLIDAY			2	Wed		III	52	2	Wed			
3	Wed				3	Fri		III	11	3	Mon		I	32	3	Thu	Founders Day	IV	53	3	Thu	Practical Exam		
4	Thu				4	Sat		IV	12	4	Tue		II	33	4	Fri		V	54	4	Fri			
5	Fri				5	Sun	HOLIDAY			5	Wed		III	34	5	Sat	HOLIDAY			5	Sat	HOLIDAY		
6	Sat				6	Mon	HOLIDAY			6	Thu	Saranathan Jayanthi	IV	35	6	Sun	HOLIDAY			6	Sun	HOLIDAY		
7	Sun				7	Tue		I	13	7	Fri		V	36	7	Mon		I	55	7	Mon			
8	Mon				8	Wed		II	14	8	Sat		I	37	8	Tue		II	56	8	Tue			
9	Tue				9	Thu		III	15	9	Sun	HOLIDAY			9	Wed		III	57	9	Wed			
10	Wed				10	Fri		IV	16	10	Mon		II	38	10	Thu		IV	58	10	Thu			
11	Thu				11	Sat	HOLIDAY			11	Tue		III	39	11	Fri		V	59	11	Fri			
12	Fri				12	Sun	HOLIDAY			12	Wed		IV	40	12	Sat	HOLIDAY			12	Sat	HOLIDAY		
13	Sat				13	Mon		I	17	13	Thu	HOLIDAY			13	Sun	HOLIDAY			13	Sun	HOLIDAY		
14	Sun				14	Tue		II	18	14	Fri	Pongal			14	Mon		I	60	14	Mon	University Exam		
	Mon				15	Wed		III	19	15	Sat	Thiruvalluvar Day			15	Tue		II	61	15	Tue			
16	Tue				16	Thu		IV	20	16	Sun	HOLIDAY			16	Wed		III	62	16	Wed			
17	Wed				17	Fri		V	21	17	Mon	HOLIDAY			17	Thu		IV	63	17	Thu			
18	Thu	BRIDGE COURSE			18	Sat	HOLIDAY			18	Tue	Thaipusam			18	Fri	Syllabus Completion	V	64	18	Fri			
19	Fri	BRIDGE COURSE			19	Sun	HOLIDAY			19	Wed		V	41	19	Sat	HOLIDAY			19	Sat	HOLIDAY		
20	Sat	BRIDGE COURSE			20	Mon		I	22	20	Thu		I	42	20	Sun	HOLIDAY			20	Sun	HOLIDAY		
21	Sun	HOLIDAY			21	Tue		II	23	21	Fri		II	43	21	Mon	MODEL EXAM	I	65	21	Mon			
22	Mon		I	1	22	Wed		III	24	22	Sat		III	44	22	Tue	MODEL EXAM	II	66	22	Tue			
23	Tue		II	2	23	Thu	I A TEST - I	IV	25	23	Sun	HOLIDAY			23	Wed	MODEL EXAM	III	67	23	Wed			
24	Wed		III	3	24	Fri	I A TEST - I	V	26	24	Mon	I A TEST - II	I	45	24	Thu	MODEL EXAM	IV	68	24	Thu			
25	Thu		IV	4	25	Sat	CHRISTMAS			25	Tue	I A TEST - II	II	46	25	Fri	MODEL EXAM	V	69	25	Fri			
26	Fri		V	5	26	Sun	HOLIDAY			26	Wed	Republic Day			26	Sat	HOLIDAY			26	Sat	HOLIDAY		
27	Sat		I	6	27	Mon	I A TEST - I	I	27	27	Thu	I A TEST - II	III	47	27	Sun	HOLIDAY			27	Sun	HOLIDAY		
28	Sun	HOLIDAY			28	Tue	I A TEST - I	II	28	28	Fri	I A TEST - II	IV	48	28	Mon	MODEL EXAM	I	70	28	Mon			
29	Mon		II	7	29	Wed	I A TEST - I	III	29	29	Sat	I A TEST - II	V	49						30	Tue			
30	Tue		III	8	30	Thu	I A TEST - I	IV	30	30	Sun	HOLIDAY								31	Wed			
					31	Fri	I A TEST - I	V	31	31	Mon	I A TEST - II	I	50										

Every Fortnight there will be a Special Lecture

Total Working Days : 71

HOD/MBA

PRINCIPAL

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SARANATHAN COLLEGE OF ENGINEERING

ACADEMIC PLANNER - II Year MBA - ODD Semester (III SEMESTER) - (2022 - 23)

August	Day	DETAILS	DAY ORDER	September	Day	DETAILS	DAY ORDER	October	Day	DETAILS	DAY ORDER	November	Day	DETAILS	DAY ORDER	December	Day	DETAILS	DAY ORDER
1	Mon			1	Thu	3	IV	1	Sat	HOLIDAY		1	Tue	IA TEST - II 47	II	1	Thu	MODEL EXAM 71	IV
2	Tue			2	Fri	4	V	2	Sun	Gandhi Jayanthi - Holiday		2	Wed	IA TEST - II 48	III	2	Fri	MODEL EXAM 72	V
3	Wed			3	Sat	5	III	3	Mon	HOLIDAY		3	Thu	IA TEST - II 49	IV	3	Sat	HOLIDAY	
4	Thu			4	Sun	HOLIDAY		4	Tue	Ayutha Pooja		4	Fri	IA TEST - II 50	V	4	Sun	HOLIDAY	
5	Fri			5	Mon	TEACHERS DAY 6	I	5	Wed	Vijayadasami		5	Sat	HOLIDAY		5	Mon	MODEL EXAM 73	I
6	Sat	HOLIDAY		6	Tue	7	II	6	Thu	28	IV	6	Sun	HOLIDAY		6	Tue	MODEL EXAM 74	II
7	Sun	HOLIDAY		7	Wed	8	III	7	Fri	29	V	7	Mon	IA TEST - II 51	I	7	Wed	MODEL EXAM 75	III
8	Mon			8	Thu	9	IV	8	Sat	30	III	8	Tue	IA TEST - II 52	II	8	Thu	MODEL EXAM 76	IV
9	Tue			9	Fri	10	V	9	Sun	Milad-un-nabi		9	Wed	IA TEST - II 53	III	9	Fri	MODEL EXAM 77	V
10	Wed			10	Sat	HOLIDAY		10	Mon	31	I	10	Thu	54	IV	10	Sat	HOLIDAY	
11	Thu	Avani-Avittam		11	Sun	HOLIDAY		11	Tue	32	II	11	Fri	NATIONAL EDUCATION DAY 55	V	11	Sun	HOLIDAY	
12	Fri	International Youth Day		12	Mon	11	I	12	Wed	33	III	12	Sat	56	I	12	Mon	MODEL EXAM 78	I
13	Sat			13	Tue	12	II	13	Thu	34	IV	13	Sun	HOLIDAY		13	Tue		
14	Sun	HOLIDAY		14	Wed	13	III	14	Fri	35	V	14	Mon	CHILDREN'S DAY 57	I	14	Wed		
15	Mon	INDEPENDENCE DAY		15	Thu	14	IV	15	Sat	36	I	15	Tue	58	II	15	Thu		
16	Tue			16	Fri	15	V	16	Sun	HOLIDAY		16	Wed	59	III	16	Fri		
17	Wed			17	Sat	16	I	17	Mon	37	I	17	Thu	60	IV	17	Sat	HOLIDAY	
18	Thu			18	Sun	HOLIDAY		18	Tue	38	II	18	Fri	61	V	18	Sun	HOLIDAY	
19	Fri	KRISHNA JAYANTHI		19	Mon	IA TEST - I 17	I	19	Wed	39	III	19	Sat	62	II	19	Mon		
20	Sat	HOLIDAY		20	Tue	IA TEST - I 18	II	20	Thu	40	IV	20	Sun	HOLIDAY		20	Tue		
21	Sun	HOLIDAY		21	Wed	IA TEST - I 19	III	21	Fri	41	V	21	Mon	63	I	21	Wed	Univ.Theory Exam	
22	Mon			22	Thu	IA TEST - I 20	IV	22	Sat	HOLIDAY		22	Tue	64	II	22	Thu		
23	Tue			23	Fri	IA TEST - I 21	V	23	Sun	HOLIDAY		23	Wed	65	III	23	Fri		
24	Wed			24	Sat	IA TEST - I 22	II	24	Mon	Deepavali		24	Thu	66	IV	24	Sat	HOLIDAY	
25	Thu			25	Sun	HOLIDAY		25	Tue	HOLIDAY		25	Fri	Syllabus Completion 67	V	25	Sun	Christmas	
26	Fri			26	Mon	IA TEST - I 23	I	26	Wed	42	III	26	Sat	HOLIDAY		26	Mon		
27	Sat			27	Tue	IA TEST - I 24	II	27	Thu	IA TEST - II 43	IV	27	Sun	HOLIDAY		27	Tue		
28	Sun	HOLIDAY		28	Wed	IA TEST - I 25	III	28	Fri	IA TEST - II 44	V	28	Mon	MODEL EXAM 68	I	28	Wed		
29	Mon	COMMENCEMENT OF II MBA (III SEM) 1	I	29	Thu	IA TEST - I 26	IV	29	Sat	IA TEST - II 45	II	29	Tue	MODEL EXAM 69	II	29	Thu		
30	Tue	2	II	30	Fri	IA TEST - I 27	V	30	Sun	HOLIDAY		30	Wed	MODEL EXAM 70	III	30	Fri		
31	Wed	Vinayagar Chaturthi						31	Mon	IA TEST - II 46	I					31	Sat	HOLIDAY	

Total Working Days : 78

Every Fortnight there will be a special Lecture

HOD/MBA

22/08/22

PRINCIPAL

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SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF MANAGEMENT STUDIES

ACADEMIC PLANNER - I Year MBA (II SEMESTER) - EVEN Semester - 2022

April	Day	DETAILS	DAY ORDER	Working Day	May	Day	DETAILS	DAY ORDER	Working Day	June	Day	DETAILS	DAY ORDER	Working Day	July	Day	DETAILS	DAY ORDER	Working Day
1	Fri				1	Sun	May day - Holiday			1	Wed	I.A TEST - II	V	42	1	Fri	MODEL EXAM	V	67
2	Sat	Telugu New Year			2	Mon	HOLIDAY			2	Thu	I.A TEST - II	I	43	2	Sat	HOLIDAY		
3	Sun	HOLIDAY			3	Tue	Ramzan - Holiday			3	Fri	Sports Day	II	44	3	Sun	HOLIDAY		
4	Mon	CLASS COMMENCES	IV	1	4	Wed	I.A TEST - I	III	20	4	Sat	College Day	III	45	4	Mon	MODEL EXAM	I	68
5	Tue		V	2	5	Thu	I.A TEST - I	IV	21	5	Sun	HOLIDAY			5	Tue			
6	Wed		I	3	6	Fri	I.A TEST - I	V	22	6	Mon	I.A TEST - II	IV	46	6	Wed	University Practical		
7	Thu		II	4	7	Sat	I.A TEST - I	I	23	7	Tue	I.A TEST - II	V	47	7	Thu			
8	Fri		III	5	8	Sun	HOLIDAY			8	Wed	I.A TEST - II	I	48	8	Fri			
9	Sat	HOLIDAY			9	Mon	I.A TEST - I	II	24	9	Thu		II	49	9	Sat	HOLIDAY		
10	Sun	HOLIDAY			10	Tue		III	25	10	Fri		III	50	10	Sun	HOLIDAY		
11	Mon		IV	6	11	Wed		IV	26	11	Sat		IV	51	11	Mon			
12	Tue		V	7	12	Thu		V	27	12	Sun	HOLIDAY			12	Tue			
13	Wed		I	8	13	Fri		I	28	13	Mon		V	52	13	Wed			
14	Thu	Tamil New Year			14	Sat		II	29	14	Tue		I	53	14	Thu			
15	Fri	Good Friday			15	Sun	HOLIDAY			15	Wed		II	54	15	Fri			
16	Sat	HOLIDAY			16	Mon		III	30	16	Thu		III	55	16	Sat	HOLIDAY		
17	Sun	HOLIDAY			17	Tue		IV	31	17	Fri		IV	56	17	Sun	HOLIDAY		
18	Mon		II	9	18	Wed		V	32	18	Sat		V	57	18	Mon	University Theory Exam		
19	Tue		III	10	19	Thu		I	33	19	Sun	HOLIDAY			19	Tue			
20	Wed		IV	11	20	Fri		II	34	20	Mon		I	58	20	Wed			
21	Thu		V	12	21	Sat	HOLIDAY			21	Tue		II	59	21	Thu			
22	Fri		I	13	22	Sun	HOLIDAY			22	Wed		III	60	22	Fri			
23	Sat		II	14	23	Mon		III	35	23	Thu	Syllabus Completion	IV	61	23	Sat	HOLIDAY		
24	Sun	HOLIDAY			24	Tue		IV	36	24	Fri	MODEL EXAM	V	62	24	Sun	HOLIDAY		
25	Mon		III	15	25	Wed		V	37	25	Sat	HOLIDAY			25	Mon			
26	Tue		IV	16	26	Thu		I	38	26	Sun	HOLIDAY			26	Tue			
27	Wed	Founders Memorial Day	V	17	27	Fri		II	39	27	Mon	MODEL EXAM	I	63	27	Wed			
28	Thu	I.A TEST - I	I	18	28	Sat	HOLIDAY			28	Tue	MODEL EXAM	II	64	28	Thu			
29	Fri	I.A TEST - I	II	19	29	Sun	HOLIDAY			29	Wed	MODEL EXAM	III	65	29	Fri			
30	Sat	HOLIDAY			30	Mon	I.A TEST - II	III	40	30	Thu	MODEL EXAM	IV	66	30	Sat	HOLIDAY		
					31	Tue	I.A TEST - II	IV	41						31	Sun	HOLIDAY		

Total Working Days : 68

1 Every Fortnight there will be a special Lecture

2 One Industrial Visit will be organised in this Semester

HOD/MBA 22/3/22

PRINCIPAL

SARANATHAN COLLEGE OF ENGINEERING

ACADEMIC PLANNER - II Year MBA - ODD Semester - (2021 - 22)

September	Day	DETAILS	DAY ORDER	October	Day	DETAILS	DAY ORDER	November	Day	DETAILS	DAY ORDER	December	Day	DETAILS	DAY ORDER
1	Wed			1	Fri	5	V	1	Mon	23	III	1	Wed	42	II
2	Thu			2	Sat	Gandhi Jayanthi - Holiday		2	Tue	24	IV	2	Thu	43	III
3	Fri			3	Sun	HOLIDAY		3	Wed	HOLIDAY		3	Fri	44	IV
4	Sat			4	Mon	6	I	4	Thu	Deepavali - HOLIDAY		4	Sat	HOLIDAY	
5	Sun			5	Tue	7	II	5	Fri	HOLIDAY		5	Sun	HOLIDAY	
6	Mon			6	Wed	8	III	6	Sat	HOLIDAY		6	Mon	45	V
7	Tue			7	Thu	9	IV	7	Sun	HOLIDAY		7	Tue	FLAG DAY 46	I
8	Wed			8	Fri	10	V	8	Mon	25	V	8	Wed	47	II
9	Thu			9	Sat	HOLIDAY		9	Tue	26	I	9	Thu	48	III
10	Fri			10	Sun	HOLIDAY		10	Wed	27	II	10	Fri	49	IV
11	Sat			11	Mon	11	I	11	Thu	NATIONAL EDUCATION DAY 29	III	11	Sat	HOLIDAY	
12	Sun			12	Tue	12	II	12	Fri	29	IV	12	Sun	HOLIDAY	
13	Mon			13	Wed	13	III	13	Sat	HOLIDAY		13	Mon	50	V
14	Tue			14	Thu	Ayutha Pooja		14	Sun	CHILDREN'S DAY-HOLIDAY		14	Tue	51	I
15	Wed			15	Fri	Vijaya Dasami		15	Mon	30	V	15	Wed	52	II
16	Thu			16	Sat	HOLIDAY		16	Tue	31	I	16	Thu	53	III
17	Fri			17	Sun	HOLIDAY		17	Wed	32	II	17	Fri	54	IV
18	Sat			18	Mon	IA TEST - I 14	IV	18	Thu	IA TEST - II 33	III	18	Sat	MODEL EXAM	
19	Sun			19	Tue	Milad-un-nabi/HOLIDAY		19	Fri	IA TEST - II 34	IV	19	Sun	HOLIDAY	
20	Mon			20	Wed	IA TEST - I 15	V	20	Sat	IA TEST - II		20	Mon	MODEL EXAM 55	V
21	Tue			21	Thu	IA TEST - I 16	I	21	Sun	HOLIDAY		21	Tue	MODEL EXAM 56	I
22	Wed			22	Fri	IA TEST - I 17	II	22	Mon	IA TEST - II 35	V	22	Wed	MODEL EXAM 57	II
23	Thu			23	Sat	IA TEST - I		23	Tue	IA TEST - II 36	I	23	Thu	MODEL EXAM 58	III
24	Fri			24	Sun	HOLIDAY		24	Wed	IA TEST - II 37	II	24	Fri	MODEL EXAM 59	IV
25	Sat			25	Mon	IA TEST - I 18	III	25	Thu	IA TEST - II 38	III	25	Sat	Christmas-HOLIDAY	
26	Sun			26	Tue	IA TEST - I 19	IV	26	Fri	IA TEST - II 39	IV	26	Sun	HOLIDAY	
27	Mon	COMMENCEMENT OF II MBA (III SEM) 1	I	27	Wed	IA TEST - I 20	V	27	Sat	IA TEST - II		27	Mon	MODEL EXAM 60	V
28	Tue	2	II	28	Thu	IA TEST - I 21	I	28	Sun	HOLIDAY		28	Tue	MODEL EXAM 61	I
29	Wed	3	III	29	Fri	IA TEST - I 22	II	29	Mon	IA TEST - II 40	V	29	Wed	MODEL EXAM 62	II
30	Thu	4	IV	30	Sat	IA TEST - I		30	Tue	IA TEST - II 41	I	30	Thu	MODEL EXAM 63	III
				31	Sun	HOLIDAY						31	Fri	MODEL EXAM 64	IV

Total Working Days : 64

Every Fortnight there will be a special Lecture

I.A - 1, IA-2 and Model Examination will be conducted after the class hours through online mode.

HOD/MBA

23/9/21

PRINCIPAL

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SARANATHAN COLLEGE OF ENGINEERING, Tiruchirapalli-620 012.

Workload Academic Year 2021-2022 ODD SEMESTER

DEPARTMENT OF MANAGEMENT STUDIES

Year & Regulation	Subject Code	Subject Name	Theory / Lab	Credits	No.of Sections	No.of Hours Allotted per Subject	No.of Sessions	No.of Faculty Members	Total No.of Periods	To be Handled
I & R2017	BA5101	Economic Analysis for Business	Theory	4	1	5		1	5	MBA
	BA5102	Principles of Management	Theory	3	1	5		1	5	MBA
	BA5103	Accounting for Management	Theory	4	1	6		1	5	MBA
	BA5104	Legal Aspects of Business	Theory	3	1	5		1	5	MBA
	BA5105	Organizational Behaviour	Theory	3	1	5		1	5	MBA
	BA5107	Total Quality Management	Theory	3	1	5		1	5	MBA
II & R2017	BA5301	International Business Management	Theory	3	1	4		1	5	MBA
	BA5302	Strategic Management	Theory	3	1	4		1	5	MBA
	BA5003	Customer Relationship Management	Theory	3	1	3		1	3	MBA
	BA5004	Integrated Marketing Communication	Theory	3	1	3		1	3	MBA
	BA5005	Retail Marketing	Theory	3	1	3		1	3	MBA
	BA5008	Banking Financial Services Management	Theory	3	1	3		1	3	MBA
	BA5009	Corporate Finance	Theory	3	1	3		1	3	MBA
	BA5012	Security Analysis and Portfolio Management	Theory	3	1	4		1	4	MBA
	BA5014	Entrepreneurship Development	Theory	3	1	3		1	3	MBA
	BA5015	Industrial Relations and Labour Welfare	Theory	3	1	3		1	3	MBA
	BA5016	Labour Legislations	Theory	3	1	3		1	3	MBA
	BA5025	Logistics Management	Theory	3	1	3		1	3	MBA
								Total(I)	71	

Subjects to be Handled for Other Departments

III R2017	MG 6851	Principles of Management	Theory	3	1	5		2	5	IT
III R2017	MG 6851	Principles of Management	Theory	3	1	5		2	10	CS
								Total(E)	15	

Subjects to be handled by Guest Faculty

II YEAR	BA5029	Services Operations Management	Theory	3	1	3		1	3	MBA
	BA5030	Supply Chain Management	Theory	3	1	3		1	3	MBA

Total Periods - HoD load =	(I+E)-11	86-11=75
No. of Faculty required excluding HoD (X/15)		5
Total No. of Faculty Required including HoD		**6**

Subjects to be Handled by Other Departments

I & R2017	BA 5111	Spoken and Written Communication	Theory	2	1	4		1	4	English
	BA 5106	Statistics for Management	Theory	3	1	6		1	6	Mathematics

HoDMBA

SARANATHAN COLLEGE OF ENGINEERING, Tiruchirapalli-620 012.

Workload Academic Year 2021-2022 EVEN SEMESTER

DEPARTMENT OF MANAGEMENT STUDIES

Year & Regulation	Subject Code	Subject Name	Theory / Lab	Credits	No.of Sections	No.of Hours Allotted per Subject	No.of Sessions	No.of Faculty Members	Total No.of Periods	To be Handled
I & R2021 II SEM	BA4202	Financial Management	Theory	3	1	3	1	1	3	MBA
	BA4203	Human Resource Management	Theory	3	1	3	1	1	3	MBA
	BA4204	Operations Management	Theory	3	1	3	1	1	3	MBA
	BA4205	Business Research Methods	Theory	3	1	3	1	1	3	MBA
	BA4207	Marketing Management	Theory	3	1	3	1	1	3	MBA
	BA4211	Business ethics	Seminar	2	1	2	1	1	2	MBA
	BA4212	Data analysis and Business Modelling	Laboratory	2	1	4	1	1	4	MBA
II & R2017	BA5411	Project Work	Project Work	12	1		1	6	18	MBA
									39	

Subjects to be Handled for Other Departments

III R2017	MG 6851	Principles of Management	Theory	3	2	3	2	2	6	ECE
III R2017	MG 6851	Principles of Management	Theory	3	2	3	2	2	6	MECH
								Total(E)	12	

Total Periods - HoD load =	(I+E)-03	51-03=48
No. of Faculty required excluding HoD (X/15)		5
Total No. of Faculty Required including HoD		**6**

Subjects to be Handled by Other Departments

I & R2021	BA4201	Quantitative Techniques for Decision Making	Theory	3	1	4	1	1	4	Mathematics
I & R2021	BA4206	Business Analytics	Theory	3	1	3	1	1	3	Engineering (or) Visiting Faculty
		Aptitude	T&P		1	1	1	1	1	Mathematics
		Verbal	T&P		1	1	1	1	1	English

HoDMBA

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF MANAGEMENT STUDIES

BA4202 – FINANCIAL MANAGEMENT.

REVIEW OF COURSE FILE

S.No.	Details Date:	R-I-* 23.4.22	R-II-# 16.5.22	R-III-$ 31.5.22	R-IV-& 15.6.22	R-V-@ 5.7.22
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy *	✓				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities*	✓				
3.	Syllabus signed by staff &HoD*	✓				
4.	Lecture Schedule signed by staff &HoD*	✓				
5.	Course Committee meeting circular and minutes*	✓				
6.	Identification of Curricular gap and Content Beyond the syllabus*	✓				
7.	Previous AU Question papers(at least 5)*	✓				
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers*	✓				
9.	Unit wise course material *	✓				
10.	Assignment question paper with sample answer sheets (at least 3)and mark entry#$&		✓	✓	✓	
11.	Tutorial questionpaper with key (minimum 3 Tutorials per unit, 15 Tutorials per course)and mark entry#$&		✓	✓	✓	
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry#$&		✓	✓	✓	
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis.#$&		✓	✓	✓	
14.	Makeup Test –Q paper-Attendance-marks -sample answer papers#$&		✓	✓	✓	
15.	Remedial Test–Q paper-Attendance-marks - sample answer papers#$&		✓	✓	✓	
16.	AU Web portal entry sheet#$&		✓	✓	✓	
17.	Very poor performance in first two tests-action taken - communication to parents-evidence.#$		✓	✓		
18.	Absence for two tests-action taken-communication to parents-evidence.#$		✓	✓		
19.	Indiscipline of student reported, if any#$&		✓	✓	✓	
20.	Special class/coaching class/remedial class/attendance-CAP#$&		✓	✓	✓	
21.	Conduct of Seminar, Quizzes - proof#$&		✓	✓	✓	
22.	Content beyond the syllabus – proof#$&		✓	✓	✓	
23.	Course end survey&				✓	
24.	Internal Assessment sheet&				✓	
25.	AU question paper with students feedback@					✓
26.	Discrepancy of the question paper and correspondence, if any@					✓
27.	AU result analysis-Details of arrear students.@					✓
28.	AU grade sheet@					✓
29.	CO – PO & PSO attainment sheet@	–	–	–	–	–
	Signature of Course handling faculty					
	Signature of HoD					

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SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF MANAGEMENT STUDIES

REVIEW OF COURSE FILE

BA4205 – Legal Aspects of Business

S.No.	Details Date:	R-I-* 26/12	R-II-# 16/01	R-III-$ 29/02	R-IV-& 02/03	R-V-@ 02/05
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy *	✓				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities*	✓				
3.	Syllabus signed by staff &HoD*	✓				
4.	Lecture Schedule signed by staff &HoD*	✓				
5.	Course Committee meeting circular and minutes*	✓				
6.	Identification of Curricular gap and Content Beyond the syllabus*	✓				
7.	Previous AU Question papers(at least 5)*	✓				
8.	Unit wise Q&A and Objective type questions-20 questions in each unit with answers*	✓				
9.	Unit wise course material *	✓				
10.	Assignment question paper with sample answer sheets (at least 3)and mark entry#$&		✓	✓	✓	
11.	Tutorial questionpaper with key (minimum 3 Tutorials per unit, 15 Tutorials per course)and mark entry#$&		✓	✓	✓	
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry#$&		✓	✓	✓	
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis.#$&		✓	✓	✓	
14.	Makeup Test –Q paper-Attendance-marks -sample answer papers#$&		✓	✓	✓	
15.	Remedial Test–Q paper-Attendance-marks - sample answer papers#$&		✓	✓	✓	
16.	AU Web portal entry sheet#$&		✓	✓	✓	
17.	Very poor performance in first two tests-action taken - communication to parents-evidence.#$		✓	✓		
18.	Absence for two tests-action taken-communication to parents-evidence.#$		✓	✓		
19.	Indiscipline of student reported, if any#$&		✓	✓	✓	
20.	Special class/coaching class/remedial class/attendance-CAP#$&		✓	✓	✓	
21.	Conduct of Seminar, Quizzes - proof#$&		✓	✓	✓	
22.	Content beyond the syllabus – proof#$&		✓	✓	✓	
23.	Course end survey&				✓	
24.	Internal Assessment sheet&				✓	
25.	AU question paper with students feedback@					✓
26.	Discrepancy of the question paper and correspondence, if any@					✓
27.	AU result analysis-Details of arrear students.@					✓
28.	AU grade sheet@					✓
29.	CO – PO & PSO attainment sheet@	–	–	–	–	–
	Signature of Course handling faculty					
	Signature of HoD					

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SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF MANAGEMENT STUDIES

BA4202 - FINANCIAL MANAGEMENT.

REVIEW OF COURSE FILE

S.No.	Details Date:	R-I-* 23-4-22	R-II-# 16-5-22	R-III-$ 31-5-22	R-IV-& 15-6-22	R-V-@ 5-7-22
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy *	✓				
2.	Timetable/Workload of the staff – Distribution of teaching load – Roles and Responsibilities*	✓				
3.	Syllabus signed by staff &HoD*	✓				
4.	Lecture Schedule signed by staff &HoD*	✓				
5.	Course Committee meeting circular and minutes*	✓				
6.	Identification of Curricular gap and Content Beyond the syllabus*	✓				
7.	Previous AU Question papers(at least 5)*	✓				
8.	Unit wise Q& A and Objective type questions-20 questions in each unit with answers*	✓				
9.	Unit wise course material *	✓				
10.	Assignment question paper with sample answer sheets (at least 3)and mark entry#$&		✓	✓	✓	
11.	Tutorial questionpaper with key (minimum 3 Tutorials per unit, 15 Tutorials per course)and mark entry#$&		✓	✓	✓	
12.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry#$&		✓	✓	✓	
13.	IA Test- Performance analysis-CAP-evidence-root cause analysis.#$&		✓	✓	✓	
14.	Makeup Test –Q paper-Attendance-marks -sample answer papers#$&		✓	✓	✓	
15.	Remedial Test–Q paper-Attendance-marks - sample answer papers#$&		✓	✓	✓	
16.	AU Web portal entry sheet#$&		✓	✓	✓	
17.	Very poor performance in first two tests-action taken - communication to parents-evidence.#$		✓	✓		
18.	Absence for two tests-action taken-communication to parents-evidence.#$		✓	✓		
19.	Indiscipline of student reported, if any#$&		✓	✓	✓	
20.	Special class/coaching class/remedial class/attendance-CAP#$&		✓	✓	✓	
21.	Conduct of Seminar, Quizzes - proof#$&		✓	✓	✓	
22.	Content beyond the syllabus – proof#$&		✓	✓	✓	
23.	Course end survey&				✓	
24.	Internal Assessment sheet&				✓	
25.	AU question paper with students feedback@					✓
26.	Discrepancy of the question paper and correspondence, if any@					✓
27.	AU result analysis-Details of arrear students.@					✓
28.	AU grade sheet@					✓
29.	CO – PO & PSO attainment sheet@	–	–	–	–	–
	Signature of Course handling faculty					
	Signature of HoD					

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COURSE LOG

Branch : M.B.A

Subject : BA 4104 - Accounting for Management

Date	Day Order	Period	Particulars of Portions Covered		Teaching Methods : PPT/e-resources etc.
			Unit	Topics	
22/11	I	3	I	Introduction to financial, cost & Mgt accng	
25/11	IV	1	I	GAAP	
29/11	V	4	I	Double Entry System	
2/12	III	6	I	Journal Entry	
3/12	IV	3	I	Ledger Problem	
6/12	I	4,6	I	P/L Problem	
6/12	V	5	I	"	
7/12	I	3	I	"	
8/12	II	5	I	"	
8/12	II	6	I	"	

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COURSE LOG

Branch : M.B.A

Subject : A/c ing for mgt

Date	Day Order	Period	Particulars of Portions Covered		Teaching Methods : PPT/e-resources etc.
			Unit	Topics	
13/12	V	1	II	Financial Ratios Problem	
12/12	V	2		"	
15/12	I	3		"	
17/12	II	6		Dupont Ratios	
20/12	V	4		Comparative Statements	
20/12	V	5		Fundflow Statement	
21/12	I	3		Problems	
22/12	II	1		"	
23/12	III	6		Cash flow Statements	
24/12	IV	3		Problems	

⑨

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COURSE LOG

Branch : M.B.A

Subject : Acctg for mgt

Date	Day Order	Period	Particulars of Portions Covered		Teaching Methods : PPT/e-resources etc.
			Unit	Topics	
4/11/22	I	1	III	Cost Accounts	
4/11	I	2		Job Cost Sheet	
4/11	I	5		Process Costing	
5/11	II	4		"	
5/11	II	5		"	
11/11	IV	1		Joint & By product Costing	
12/11	V	3		"	
20/11	II	2		ABC analysis.	

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COURSE LOG

Branch: M.B.A

Subject: Accg for mgt.

Date	Day Order	Period	Particulars of Portions Covered		Teaching Methods : PPT/e-resources etc.
			Unit	Topics	
22/1	III	2	IV	Marginal costing	
22/1	IV	1		CPV analysis Problem	
24/1	V	3		"	
1/2	III	6		"	
2/2	IV	2		"	
2/2	IV	5		"	
2/2	IV	6		Make & buy decision.	
3/2	V	4		"	
4/2	I	3		"	
7/2	II	5		Expand & contract	
7/2	II	6		"	
8/2	III	6		Add & drop products.	
9/2	IV	2		Break even analysis	
10/2	II	5		"	

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COURSE LOG

Branch : MBA

Subject : BA4032. ENTREPRENEURSHIP DEVELOPMENT.

Date	Day Order	Period	Particulars of Portions Covered		Teaching Methods : PPT/e-resources etc.
			Unit	Topics	
18.11.21	3	1		Bridge Course	
19.11.21	4	4		" " "	
24.11.21	3	1		Introduction to entrepreneurship	
25.11.21	4	4		Entrepreneurship as a career	
2.12.21	3	1		Entrepreneurial personality	
3.12.21	4	4		Entrepreneurial skills	
10.12.21	4	4		Characteristics of Successful entrepreneurs	
17.12.21	3	1		Types of entrepreneurs.	
18.12.21	4	4		Entrepreneurial challenges.	
24.12.21	4	4		Women entrepreneurship.	
3.1.22	5	4		Entrepreneurship and economic development.	
7.1.22	4	1		Internal Assessment Test - I	
		2		" " " " "	
12.1.22	0	1		Role of family and society	
20.1.22	2	1		International business.	
22.1.22	4	3		Entrepreneurship development programme	
1.2.22	3	1		Introduction to business plan	
2.2.22	4	3		Business Plan Contents.	
8.2.22	3	1		Model Business Plan.	
9.2.22	4	4		Sources of product for business.	
15.2.22	3	1		" " " " " "	
16.2.22	4	4		Criteria for Selection of a product	
18.2.22	1	3		Forms of ownership.	
22.2.22	3	6		Capital budgeting	
26.2.22	0	1		Internal Assessment Test - II	
		2		" " " " "	
28.2.22	0	2		Preparation of project profile	
1.3.22	3	1		Feasibility Study	
2.3.22	4	4		Finance and human resource mobilisation	
3.3.22	0	2		Market and channel Selection	
5.3.22	0	1		Growth Strategies	

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COURSE LOG

Branch : MBA

Subject : BA4103 - Managerial Economics

Date	Day Order	Period	Particulars of Portions Covered		Teaching Methods : PPT/e-resources etc.
			Unit	Topics	
20/11	2	1,6	I	Introduction to Economics	PPT
24/11	3	6	I	Basics of Economics	PPT
25/11	4	2	I	Themes of Economics	PPT
29/11	5	1,2	I	Production Possibility Frontier Efficiency	PPT
01/12	2	3	I	Micro & Macro Economics	PPT
6/12	5	6	I	PPF Curve	BB
8/12	2	3	I	Productive & Economic Efficiency	PPT
9/12	3	6	I	Economic problems & efficiency	PPT
13/12	5	6	I	Externalities	PPT
16/12	2	2	I	Economic growth & stability	PPT
20/12	5	2,6	I	Economic science (or) Art & Case study	PPT
22/12	2	3	I	The role of government.	PPT
03/01	5	1,2,6	II	Demand & supply	PPT
10/01	3	3	II	Demand - Law of demand	BB
12/01	5	2	II	Determinants of demand	PPT

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COURSE LOG

Branch :

Subject :

Date	Day Order	Period	Particulars of Portions Covered		Teaching Methods : PPT/e-resources etc.
			Unit	Topics	
26/02	2	4	IV	Macroeconomics - Aggregate demand & Aggregate supply.	PPT
			IV	Multipliers effect & Fiscal policy.	PPT
28/02	2	3	V	Unemployment & its impact	PPT
			V	Inflation & its impact	PPT
04/03	1	6	V	Money Market & philip's curve	PPT
05			V	Supply side policy & Management	PPT
05/03	2	4	V	The role of Monetary policy	PPT

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SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF MANAGEMENT STUDIES

Assignment – 01			Date of Issue:	11.11.2021	Marks	20
Course code	BA5301	Course Title	International Business Management			
Year	II	Semester/Section	III	Date of Submission:	22.11.2021	

Q.No	Questions	CO	PO	PSO
1	Comment on the competitive advantage of India in international trade in manufacturing and services sector. Give examples.	C402.3	1,2,3	1,2
2	Expanding into overseas markets requires lots of research. Choose any Indian company which has succeeded in globalising its product/service and also highlight its global strategies.	C402.3	4,5	1,2

Name and Signature of the Faculty In charge

HoD/MBA

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SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF MANAGEMENT STUDIES

Assignment – 01			Date of Issue:	01.02.2022	Marks	20
Course code	BA4106	Course Title	Information Management			
Year	I	Semester/Section	I	Date of Submission:	11.02.2022	

Q.No	Questions	CO	PO	PSO
1	Comment on the applications of blockchain technology in banking.	C402.3	1,2,3	1,2
2	Draw an E-R diagram for hospital management system. Draw a Data flow diagram for Library management system.	C402.3	4,5	1,2

Name and Signature of the Faculty In charge

HoD/MBA

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COURSE LOG

Branch :

Subject :

Date	Day Order	Period	Particulars of Portions Covered	Remarks
21/04/22	IV	04	Basics of Excel.	
		05	CGPA calculator	
~~22/04/22~~		06	Payroll using excel	
26/04/22	III	04	Mean statistics, Rank, FMT	
		05	CIA I Survey, Histogram	
		06	Non-Parametric test.	
06/05/22	III	04	Correlation	
		05	Regression	
		06	Factor	
12/05/22	III	04	Portfolio Selection	
		05	Risk Analysis	
		06	Sensitivity Analysis.	
18/05/22	III	04	Revenue Management	
		05	Transportation & Assignment	
		06	Transportation & Assignment	
25/05/22	III	04	Net known models	
		05	Queuing Theory	
		06	Inventory model.	

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SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 5/03/2022

Ref : SCE/Syllabus/ Theory/2021-22 - Odd Sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Accounting for Decision Making, code BA 4104 for I year, I semester, department of MBA ~~B.E / B.Tech~~ / MBA during the academic year 2021 – 22, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 62 periods, revised 4 periods and syllabus for

discussed the Anna University Examination question papers of the last 3 years.

Signature :

Name : Dr. V. Mahalakshmi.

Designation : Assistant Professor

Department : MBA

Date : 05/03/2022

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 5.7.2022

Ref : SCE/Syllabus/ Theory/2021-22 - Even sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject FINANCIAL MANAGEMENT, code BA4202 for I year, II semester, department of _____ ~~B.E~~ / ~~B.Tech~~ / MBA during the academic year 2021 – 22, even semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus,

and took lectures for 54 periods, revised 3 periods and syllabus for

discussed the Anna University Examination question papers of the last 5 years.

Signature : B Chandrahanh

Name : B.S. CHANDRA MOULI

Designation : PROFESSOR

Department : MANAGEMENT STUDIES

Date : 5.7.2022

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 22.12.2021

Ref : SCE/Syllabus/ Theory/2021-22 - Odd Sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject BA5301 International Business Management code BA5301 for II year, III semester, department of MBA ~~B.E / B.Tech~~ / MBA during the academic year 2021 – 22, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 48 periods, revised 3 periods and syllabus for

discussed the Anna University Examination question papers of the last 5 years.

Signature : ~~[illegible]~~

Name : K. ARUN PRASAD

Designation : Assistant Professor

Department : MBA

Date : 22.12.2021

Signature of HoD :

Principal :

SARANATHAN COLLEGEOF ENGINEERING

TIRUCHIRAPALLI-620 012.

Date: 28/05/2022

Ref:SCE/Syllabus/Laboratory/2021-22- Even sem /

STATEMENT FOR LABORATORY EXPERIMENTCOMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed coursework by Anna University (mention details).In cases where the experiments could not be conducted, the same ha been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: Dr. V. Mahalakshmi.	Name	: Mr. S. Syedmurthaly
Designation	: Asst. Prof	Designation	: Asst. Prof
Department	MBA		
Signature of HoD	:	Principal	:

Note: List of the students who have not got bonafide, if any, to be enclosed.

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)
Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF MANAGEMENT STUDIES

Date: 21-07-2021

Ref No: SCE/MBA/2021-2022/Odd Sem. /Faculty feedback – reg.

Students' feedback about teachers regarding the efficacy of their teaching styles is collected every semester. The various parameters based on which the students assess the faculty are preparation of the faculty for the classes, subject knowledge and clarity of the faculty, impartiality and fairness of the faculty, student-faculty interaction, valuable/extra information given the faculty, enthusiasm for teaching, display of care and concern, punctuality in evaluation of assignments and test papers, steady completion of syllabus, ability to speak loudly and clearly etc. The total composite faculty feedback score is 100 and it is the summation of faculty scores on the specified parameters.

The faculty feedback from students was collected during the ODD Semester 2021-2022.

Based on individual staff feedback reports, it was found that the feedback score of 77.37% obtained by Prof. K. Arun Prasad who handled Principles of Management for final year Computer Science Engineering students was the lowest score.

The message was personally communicated by HOD to Prof. K. Arun Prasad and HOD sought to know if the faculty had faced difficulties in the specific class. The final year Computer Science Engineering students found it difficult to grasp theoretical concepts and the online mode of class for the first few days made it difficult for the faculty to check periodically if the students follow the subject. Ideas for making the classes livelier especially for an audience who are not exposed to theoretical subjects, for engaging the class by posing questions and welcoming student interactions were offered. It was recommended to facilitate inquiry based learning wherein a student-centered approach to teaching paves way for inquisitive learning as opposed to acquisitive learning (learning which is extrinsically motivated – for good grades and so on).

HOD/MBA

21.07.2021

Tiruchirapalli

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SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) -I Year UG

APR'22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days	JUL'22	DAY	DETAILS	Day order	working days
01	FRI				01	SUN	May Day Holiday			01	WED		V	42	01	FRI	IA test-3	IV	66
02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	43	02	SAT	IA test-3	V	67
03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	44	03	SUN	Holiday		
04	MON	Classes commence for II semester	IV	1	04	WED	IA test-1	III	20	04	SAT	College Day	III	45	04	MON	Syllabus completion	I	68
05	TUE		V	2	05	THU	IA test-1	IV	21	05	SUN	Holiday			05	TUE			
06	WED		I	3	06	FRI	IA test-1	V	22	06	MON	IA test-2	IV	46	06	WED	Commencement of University Practical exams		
07	THU		II	4	07	SAT	IA test-1	I	23	07	TUE	IA test-2	V	47	07	THU			
08	FRI		III	5	08	SUN	Holiday			08	WED	IA test-2	I	48	08	FRI			
09	SAT	Graduation Day -2019 Batch Holiday			09	MON	IA test-1	II	24	09	THU	IA test-2	II	49	09	SAT	Holiday		
10	SUN	Graduation Day -2020 Batch Holiday			10	TUE	IA test-1	III	25	10	FRI	IA test-2	III	50	10	SUN	Bakrid Holiday		
11	MON		IV	6	11	WED		IV	26	11	SAT	IA test-2	IV	51	11	MON			
12	TUE		V	7	12	THU		V	27	12	SUN	Holiday			12	TUE			
13	WED		I	8	13	FRI		I	28	13	MON		V	52	13	WED			
14	THU	Tamil New Year Holiday			14	SAT		II	29	14	TUE		I	53	14	THU			
15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED		II	54	15	FRI			
16	SAT	Holiday			16	MON		III	30	16	THU		III	55	16	SAT	Holiday		
17	SUN	Holiday			17	TUE		IV	31	17	FRI		IV	56	17	SUN	Holiday		
18	MON		II	9	18	WED		V	32	18	SAT	Holiday			18	MON	Commencement of University Theory exams		
19	TUE		III	10	19	THU		I	33	19	SUN	Holiday			19	TUE			
20	WED		IV	11	20	FRI	Student Feedback-1	II	34	20	MON		V	57	20	WED			
21	THU		V	12	21	SAT	Holiday			21	TUE	Student Feedback-2	I	58	21	THU			
22	FRI		I	13	22	SUN	Holiday			22	WED		II	59	22	FRI			
23	SAT		II	14	23	MON		III	35	23	THU		III	60	23	SAT	Holiday		
24	SUN	Holiday			24	TUE		IV	36	24	FRI		IV	61	24	SUN	Holiday		
25	MON		III	15	25	WED		V	37	25	SAT	Holiday			25	MON			
26	TUE		IV	16	26	THU		I	38	26	SUN	Holiday			26	TUE			
27	WED	Founder's Memorial day	V	17	27	FRI		II	39	27	MON	IA test-3	V	62	27	WED			
28	THU		I	18	28	SAT	Holiday			28	TUE	IA test-3	I	63	28	THU			
29	FRI		II	19	29	SUN	Holiday			29	WED	IA test-3	II	64	29	FRI			
30	SAT	Holiday			30	MON		III	40	30	THU	IA test-3	III	65	30	SAT	Holiday		
					31	TUE		IV	41						31	SUN	Holiday		
			19	19				22	41				24	65				3	68
																	Total No.of working days for the semester :	68	

Prepared by
Ms. N. Bhavani, Asso.Prof/IT dept
Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

Date: 25.10.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2021 – March 2022 (SEMESTER I)

UG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	08.11.2021	22.11.2021	08.03.2022	10.03.2022	21.03.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 18.04.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

DIRECTOR
ACADEMIC COURSES

DAC - SB

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - First Year UG

NOV'21	DAY	DETAILS	Day order	working days	DEC'21	DAY	DETAILS	Day order	working days	JAN'22	DAY	DETAILS	Day order	working days	FEB'22	DAY	DETAILS	Day order	working days	MAR'22	DAY	DETAILS	Day order	working days
01	MON				01	WED		II	7	01	SAT	New year day			01	TUE		V	45	01	TUE	Model Exam		68
02	TUE				02	THU		III	8	02	SUN	Holiday			02	WED		I	46	02	WED			
03	WED	Holiday			03	FRI		IV	9	03	MON		V	25	03	THU	Founder's day	II	47	03	THU	Model Exam		69
04	THU	Deepavali - Holiday			04	SAT	Holiday			04	TUE		I	26	04	FRI		III	48	04	FRI			
05	FRI	Holiday			05	SUN	Holiday			05	WED		II	27	05	SAT	Holiday			05	SAT	Model Exam		70
06	SAT	Holiday			06	MON		V	10	06	THU	Saranathan Jayanthi	III	28	06	SUN	Holiday			06	SUN			
07	SUN	Holiday			07	TUE	Flag Day	I	11	07	FRI	Feedback(A,B,C,D,E)	IV	29	07	MON		IV	49	07	MON	Model Exam		71
08	MON				08	WED		II	12	08	SAT	Feedback(F,G,H,I,J)	V	30	08	TUE		V	50	08	TUE			
09	TUE				09	THU		III	13	09	SUN	Holiday			09	WED		I	51	09	WED	Model Exam		72
10	WED				10	FRI		IV	14	10	MON		I	31	10	THU		II	52	10	THU	Univ. Practical Exam commences		
11	THU	National Education Day			11	SAT	Holiday			11	TUE	National Road Safety day	II	32	11	FRI		III	53	11	FRI			
12	FRI				12	SUN	Holiday			12	WED	National Youth day	III	33	12	SAT		IV	54	12	SAT	Holiday		
13	SAT	Holiday			13	MON		V	15	13	THU	Holiday			13	SUN	Holiday			13	SUN	Holiday		
14	SUN	Children's Day - Holiday			14	TUE	International Energy Day	I	16	14	FRI	Pongal			14	MON		V	55	14	MON			
15	MON	First year Induction programme			15	WED		II	17	15	SAT	Thiruvalluvar day			15	TUE		I	56	15	TUE			
16	TUE				16	THU		III	18	16	SUN	Holiday			16	WED		II	57	16	WED			
17	WED				17	FRI	Margazhi Mahothsavam	IV	19	17	MON	Holiday			17	THU	Feedback(A,B,C,D,E)	III	58	17	THU			
18	THU				18	SAT	Holiday			18	TUE	Thaipusam			18	FRI	Feedback(F,G,H,I,J)	IV	59	18	FRI			
19	FRI				19	SUN	Holiday			19	WED		IV	34	19	SAT		V	60	19	SAT	Holiday		
20	SAT				20	MON	IA Test 1	V	20	20	THU		V	35	20	SUN	Holiday			20	SUN			
21	SUN				21	TUE	IA Test 1	I	21	21	FRI		I	36	21	MON		I	61	21	MON	Univ. Theory Exam commences		
22	MON	1 year classes Commences	I	1	22	WED	IA Test 1 National Mathematics Day	II	22	22	SAT		II	37	22	TUE	IA Test 3	II	62	22	TUE	World water day		
23	TUE		II	2	23	THU	IA Test 1	III	23	23	SUN	Holiday	III	38	23	WED	IA Test 3	III	63	23	WED			
24	WED		III	3	24	FRI	IA Test 1	IV	24	24	MON	IA Test 2 National Girl Child Day	IV	39	24	THU	IA Test 3	IV	64	24	THU			
25	THU		IV	4	25	SAT	Christmas			25	TUE	IA Test 2 National Voter's day	V	40	25	FRI	IA Test 3	V	65	25	FRI			
26	FRI				26	SUN	Holiday			26	WED	Republic day			26	SAT	IA Test 3	I	66	26	SAT	Holiday		
27	SAT				27	MON				27	THU	IA Test 2	I	41	27	SUN	Holiday			27	SUN	Holiday		
28	SUN	Holiday			28	TUE				28	FRI	IA Test 2	II	42	28	MON	Syllabus completion	II	67	28	MON			
29	MON		V	5	29	WED				29	SAT	IA Test 2	III	43						29	TUE			
30	TUE		I	6	30	THU				30	SUN	Martyrs day - Holiday								30	WED			
					31	FRI				31	MON	National Unity Day	IV	44						31	THU			
				6					18					20					23					5
																	Total No.of working days for the semester :		72					

Prepared by
Ms. N. Bhuvani, Asso.Prof/IT dept
Dr. R. Thillaikarasi, Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Trichy 620012

Department of Mathematics - Academic Year 2021-2022 (Odd Semester) [0nline workload]

S.No	Name of the Staff	Designation	Year	Subject	Total No. of Hrs per cycle
				Theory	
1.	Dr. R. Neelambari	Assoc. Prof & Head I/C	II CIVIL A	MA8353 / TRANSFORMS AND PDE (4 hrs)	12 hrs
			I AIDS	MA3151 / MATRICES AND CALCULUS (4 hrs)	
			III CSE A	MA8551 / ALGEBRA AND NUMBER THEORY (4 hrs)	
2.	Dr. D. Geetha	Asst. Prof.	II ECE A	MA8352 / LINEAR ALGEBRA AND PDE (4 hrs)	12 hrs
			I M.E	MA4156 / LINEAR ALGEBRA, PROBABILITY AND QUEUEING THEORY (4 Hrs)	
			II CSE B	MA8351 / DISCRETE MATHEMATICS (4 hrs)	
3.	Dr. S. Sivamani	Asst. Prof.	III IT	MA8551 / ALGEBRA AND NUMBER THEORY (4 hrs)	14 hrs
			I ECE A	MA3151 / MATRICES AND CALCULUS (4 hrs)	
			I IT	MA3151 / MATRICES AND CALCULUS (4 hrs)	
			I ME (CSE)	MA4151/APPLIED PROBABILITY AND STATISTICS FOR COMPUTER SCIENCE ENGINEERS (2 hrs)	
4.	Dr. S. Revathi	Asst. Prof.	III IT	MA8551 / ALGEBRA AND NUMBER THEORY (4 hrs)	14 hrs
			I CIVIL& ICE	MA3151 / MATRICES AND CALCULUS (4 hrs)	
			I CSE B	MA3151 / MATRICES AND CALCULUS (4 hrs)	
			I M.E (Ther)	MA4154 / ADVANCED NUMERICAL METHODS (2 hrs)	
5.	Dr. S. Arunkumar	Asst. Prof.	II MECH	MA8353 / TRANSFORMS AND PDE (4 hrs)	14 hrs
			II ICE	MA8353 / TRANSFORMS AND PDE (4 hrs)	
			I CSE A	MA3151 / MATRICES AND CALCULUS (4 hrs)	
			I M.E PED	MA4106/APPLIED MATHEMATICS FOR POWER ELECTRONICS ENGINEERS	
6.	Dr. P.K. Lakshmi Devi	Asst. Prof	I MECH	MA3151 / MATRICES AND CALCULUS (4 hrs)	14 hrs
			I MBA	BA4101 / STATISTICS FOR MANAGEMENT (4 hrs)	
			I CSBS	MA3151 / MATRICES AND CALCULUS (4 hrs)	
			I ME (CSE)	MA4151/APPLIED PROBABILITY AND STATISTICS FOR COMPUTER SCIENCE ENGINEERS (2hrs)	
7.	Dr. S. Anupriya	Asst. Prof.	II IT	MA8351 / DISCRETE MATHEMATICS (4 hrs)	15 hrs
			II EEE	MA8353 / TRANSFORMS AND PDE (4 hrs)	
			I ECE B	MA3151 / MATRICES AND CALCULUS (4 hrs)	

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF MATHEMATICS

REVIEW OF COURSE FILE

S.No.	Details	
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy	
2.	Timetable/Workload of the Staff – Distribution of teaching load	
3.	Syllabus	
4.	Lecture Schedule signed by Staff &HoD	
5.	Course Committee meeting circular and minutes	
6.	Previous AU Question papers(at least 5)	
7.	Unit wise Q&A	
8.	Unit wise course material	
9.	Assignment question paper with sample answer sheets (at least 3)and mark entry	
10.	Tutorial questionpaper with key (minimum 3 Tutorials per unit, 15 Tutorials per course)and mark entry – for subjects with 4 credits	
11.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry	
12.	IA Test- Performance analysis-evidence-root cause analysis.	
13.	Makeup Test –Q paper-Attendance-marks -sample answer papers	
14.	Special class/coaching class/remedial class/attendance	
15.	Course end survey	
16.	Internal Assessment sheet	
17.	AU question paper with students feedback	
18.	AU result analysis- Details of arrear students, toppers	
19.	AU grade sheet	
20.	CO – PO & PSO attainment sheet	

LESSON PLAN

MA 3151 MATRICES AND CALCULUS

Name of the staff: Academic Year:2021-2022 SEC :

S.NO	Topics	No.of. Periods	Text&Ref. Books
UNIT I	MATRICES	(12)	
1	Characteristic equation- Eigen values and Eigenvectors of a real matrix	2	Grewal B.S., Higher Engineering Mathematics||, Khanna Publishers, New Delhi, 43rd Edition, 2014.
2	Properties of eigen values and eigenvectors	2	
3	Statement and applications of Cayley-Hamilton Theorem	2	
4	Diagonalization of matrices by Orthogonal transformations	2	
5	Reduction of a quadratic form to canonical form by orthogonal transformation – Nature of quadratic forms.	2	
6	Applications – Stretching of an Elastic membrane	2	
UNIT II	DIFFERENTIAL CALCULUS	(12)	
7	Representation of functions	1	
8	Limit of a function and Continuity	2	
9	Derivatives	2	
10	Differentiation rules	3	Kreyszing Erwin, "Advanced Engineering Mathematics", John Wiley & Sons,10th Edition.
11	Implicit and Logarithmic Differentiation	2	
12	Applications: Maxima and Minima of functions of one variable.	2	
UNIT III	FUNCTIONS OF SEVERAL VARIABLES	(12)	
13	Partial differentiation -Homogeneous functions and Euler's theorem	2	
14	Total derivative	2	
15	Change of variables & Jacobians	1	
16	Partial differentiation of implicit functions	1	
17	Taylor's series for functions of two variables	2	
18	Applications : Maxima and Minima of functions of two variables and Lagrange's method of undetermined multipliers.	4	James Stewart, "Calculus : Early Transcendentals", Cengage Learning, 8th Edition, New Delhi, 2015. [For Units II & IV - Sections 1.1, 2.2, 2.3, 2.5, 2.7 (Tangents problems only), 2.8, 3.1 to 3.6, 3.11, 4.1, 4.3, 5.1 (Area problems only), 5.2, 5.3, 5.4 (excluding net change theorem), 5.5, 7.1 - 7.4 and 7.8].
UNIT IV	INTEGRAL CALCULUS	(12)	
19	Definite and Indefinite integrals & Substitution rule	2	
20	Techniques of Integration - Integration by parts	2	
21	Trigonometric integrals, Trigonometric substitutions	2	
22	Integration of rational functions by partial fraction	2	
23	Integration of irrational functions and Improper integrals	2	
24	Applications : Hydrostatic force and pressure, moments and centre's of mass	2	
UNIT V	MULTIPLE INTEGRALS	(12)	
25	Double integrals	2	
26	Change of order of integration	2	
27	Double integrals in polar coordinates	1	
28	Area enclosed by plane curves	2	
29	Triple integrals & Volume of solids	2	
30	Change of variables in double and triple integrals	1	
31	Applications: Moments and centre's of mass, Moment of Inertia	2	
	Total No. of. Periods	60	

SIGNATURE OF THE FACULTY

H.O.D

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

(Accredited by NBA)

	ASSIGNMENT- 01		Dateof Issue:		Marks	10
Course code	MA3151	Course Title	ENGINEERING MATHEMATICS I			
Year	I	Semester/Section	I / ALL SECTIONS	Dateof Submission:	12/12/21	

Q.No	Questions	CO
1	Find the Eigen value and Eigen vector for $\begin{bmatrix} -2 & 2 & -3 \\ 2 & 1 & -6 \\ -1 & -2 & 0 \end{bmatrix}$	CO_1
2	If the sum of twp Eigen values of a 3 x 3 matrix are equal. find the determinant of a	CO_1
3	Two Eigen values of metric $\begin{bmatrix} 2 & 2 & 3 \\ 1 & 3 & 1 \\ 1 & 2 & 2 \end{bmatrix}$ are equal to 1 each find the Eigen value of A and A^{-1}	CO_1
4.	Find the Eigen value of $\begin{bmatrix} 2 & 3 \\ 0 & 4 \end{bmatrix}$ corresponding to the eigen vector $\begin{bmatrix} 1 \\ 0 \end{bmatrix}$	CO_1
5.	Verify Cayley Hamilton Theorem for $\begin{bmatrix} 1 & 2 & -2 \\ -1 & 3 & 0 \\ 0 & -2 & 1 \end{bmatrix}$	CO_1
6.	Verify Cayley Hamilton Theorem for $\begin{bmatrix} 2 & 1 & 1 \\ 0 & 1 & 0 \\ 1 & 1 & 1 \end{bmatrix}$. Hence find A^4	CO_1
7.	Diagonalise the matrix $\begin{bmatrix} 10 & -2 & -5 \\ -2 & 2 & 3 \\ -5 & 3 & 5 \end{bmatrix}$	CO_1
8.	Diagonalise the matrix $\begin{bmatrix} 3 & 1 & 1 \\ 1 & 3 & -1 \\ 1 & -1 & 3 \end{bmatrix}$. Hence find A^4	CO_1
9.	Reduce the quadratic form $8x^2+3y^2+3z^2-4xy-2yz+4xz$ to canonical form by orthogonal reduction. Also find rank index and signature.	CO_1
10.	Reduce the quadratic form $3x_1^2+2x_2^2+3x_3^2-2x_1x_2-2x_2x_3$ to canonical form by orthogonal reduction. Also find rank index and signature.	CO_1

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

TUTORIAL

ASSIGNMENT

NAME : DEEPIKA S

BATCH NO : 2A9017

COURSE : B.TECH CSBS

COURSE CODE: MA8151

YEAR/SEC : IY I CSBS

CONTENT (6)	SUBMISSION (2)	PRESENTATION (2)	TOTAL (10)	STAFF SIGNATURE
5	2	1	8	

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 14/3/22

Ref : SCE/Syllabus/ Theory/2021-22 –Odd Sem./

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject MATRICES AND CALCULUS, code MA3151 for I year, I semester, department of ECE-B B.E/~~B.Tech/MBA~~ during the academic year 2021 – 2022, Odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 60 periods, revised syllabus for 8 periods and discussed the Anna University Examination question papers of the last 2 years.

Signature :

Name : Dr. S. Sivamani

Designation : Assistant Professor.

Department : Maths

Date : 14/3/22

Signature of HoD :

Principal :

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **1** Programme: **B.E/B.Tech (CSE)**
Subject Code : **MA3151** NBA Code : **C102** Title **MATRICES AND CALCULUS**
Faculty: Dr.S.Arunkumar / Dr.S.Revathi

Cos	CO Description	Attained Level	%
C102.1	Understand Eigen values and eigen vectors, diagonalization of a matrix ,symmetric matrices, Nature of quadratic form and engineers for practical applications.	2.44	81.33
C102.2	Understand the limit, continuity and derivative of the functions. Solve various functions and its maxima /minima using differentiation rules.	2.53	84.33
C102.3	Apply the total and partial derivatives in Taylor series expansion of functions and the extremum of functions.	2.44	81.33
C102.4	Evaluate the integrals both by using Riemann sums and by using the Fundamental theorem of Calculus. Evaluate integrals using various techniques of integration.	2.48	82.67
C102.5	Understand the concepts of double integration and determine the area using integration. Also understands the concepts of the change of order of integration and Change of variables in integrals.	2.52	84.00
C102.6	Understand the concepts of Triple integration and determine the volume using integration.	2.44	81.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 124

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
241001	MA3151	3	3	3	3	2	3	30/03/2022	CSE	1
241002	MA3151	3	2	2	3	3	3	30/03/2022	CSE	1
241003	MA3151	2	2	2	3	2	2	30/03/2022	CSE	1
241004	MA3151	2	3	2	2	3	2	30/03/2022	CSE	1
241005	MA3151	2	2	2	2	2	2	30/03/2022	CSE	1
241006	MA3151	2	3	2	3	2	2	30/03/2022	CSE	1
241007	MA3151	3	3	2	3	2	2	30/03/2022	CSE	1
241008	MA3151	3	2	2	2	2	3	30/03/2022	CSE	1
241009	MA3151	2	2	2	3	2	2	30/03/2022	CSE	1
241010	MA3151	3	2	3	2	2	2	30/03/2022	CSE	1
241011	MA3151	2	2	2	3	3	3	30/03/2022	CSE	1
241012	MA3151	2	2	3	2	2	3	30/03/2022	CSE	1
241013	MA3151	3	2	3	2	3	3	30/03/2022	CSE	1
241015	MA3151	3	2	2	3	2	2	30/03/2022	CSE	1
241016	MA3151	2	2	3	2	3	2	30/03/2022	CSE	1
241017	MA3151	3	3	2	2	3	3	30/03/2022	CSE	1
241018	MA3151	2	3	2	2	3	2	30/03/2022	CSE	1
241019	MA3151	2	3	2	2	2	3	30/03/2022	CSE	1
241020	MA3151	3	3	2	2	3	3	30/03/2022	CSE	1
241021	MA3151	3	3	2	3	2	3	30/03/2022	CSE	1
241022	MA3151	2	3	3	3	3	2	30/03/2022	CSE	1
241023	MA3151	3	3	3	2	2	2	30/03/2022	CSE	1
241024	MA3151	2	2	2	2	3	3	30/03/2022	CSE	1

241025	MA3151	3	2	3	2	2	3	30/03/2022	CSE	1
241026	MA3151	3	2	2	2	2	3	30/03/2022	CSE	1
241027	MA3151	2	3	2	2	3	3	30/03/2022	CSE	1
241028	MA3151	2	3	3	3	3	3	30/03/2022	CSE	1
241029	MA3151	3	2	2	2	2	3	30/03/2022	CSE	1
241030	MA3151	2	2	3	2	3	3	30/03/2022	CSE	1
241031	MA3151	2	2	2	2	2	2	30/03/2022	CSE	1
241032	MA3151	3	3	2	2	3	2	30/03/2022	CSE	1
241033	MA3151	3	3	2	3	2	3	30/03/2022	CSE	1
241034	MA3151	2	3	3	3	2	3	30/03/2022	CSE	1
241035	MA3151	2	2	3	2	3	2	30/03/2022	CSE	1
241036	MA3151	3	3	3	3	3	3	30/03/2022	CSE	1
241037	MA3151	2	2	3	3	3	2	30/03/2022	CSE	1
241038	MA3151	2	3	2	3	3	2	30/03/2022	CSE	1
241039	MA3151	2	2	3	3	3	2	30/03/2022	CSE	1
241040	MA3151	2	3	2	3	3	3	30/03/2022	CSE	1
241041	MA3151	2	2	2	2	3	2	30/03/2022	CSE	1
241042	MA3151	2	3	2	2	3	3	30/03/2022	CSE	1
241043	MA3151	2	2	2	3	2	2	30/03/2022	CSE	1
241044	MA3151	2	3	3	3	2	2	30/03/2022	CSE	1
241045	MA3151	2	3	2	2	3	3	30/03/2022	CSE	1
241046	MA3151	3	2	3	2	2	3	30/03/2022	CSE	1
241047	MA3151	3	2	3	2	3	2	30/03/2022	CSE	1
241048	MA3151	2	2	3	2	3	2	30/03/2022	CSE	1

241049	MA3151	3	3	2	3	2	3	30/03/2022	CSE	1
241050	MA3151	3	3	2	3	2	3	30/03/2022	CSE	1
241051	MA3151	2	3	2	3	3	3	30/03/2022	CSE	1
241052	MA3151	3	3	2	2	2	2	30/03/2022	CSE	1
241053	MA3151	3	2	2	2	3	3	30/03/2022	CSE	1
241054	MA3151	2	3	3	3	3	2	30/03/2022	CSE	1
241055	MA3151	2	3	2	2	2	2	30/03/2022	CSE	1
241056	MA3151	2	3	3	2	2	3	30/03/2022	CSE	1
241057	MA3151	2	3	2	2	2	3	30/03/2022	CSE	1
241058	MA3151	2	2	2	3	2	2	30/03/2022	CSE	1
241059	MA3151	2	2	3	3	2	2	30/03/2022	CSE	1
241060	MA3151	3	2	2	2	3	3	30/03/2022	CSE	1
241061	MA3151	3	3	3	2	2	3	30/03/2022	CSE	1
241062	MA3151	3	3	2	3	3	2	30/03/2022	CSE	1
241063	MA3151	3	3	2	3	2	2	30/03/2022	CSE	1
241064	MA3151	2	3	2	2	3	3	30/03/2022	CSE	1
241065	MA3151	3	3	2	3	3	2	30/03/2022	CSE	1
241066	MA3151	2	3	2	2	2	3	30/03/2022	CSE	1
241067	MA3151	2	2	3	3	3	3	30/03/2022	CSE	1
241068	MA3151	3	3	2	2	2	3	30/03/2022	CSE	1
241069	MA3151	2	2	2	3	3	3	30/03/2022	CSE	1
241070	MA3151	2	2	3	3	2	2	30/03/2022	CSE	1
241071	MA3151	3	3	3	2	2	3	30/03/2022	CSE	1
241072	MA3151	2	2	2	3	2	2	30/03/2022	CSE	1

241073	MA3151	3	3	3	2	2	2	30/03/2022	CSE	1
241074	MA3151	3	2	3	2	3	2	30/03/2022	CSE	1
241075	MA3151	3	3	3	3	3	2	30/03/2022	CSE	1
241076	MA3151	3	2	2	3	3	3	30/03/2022	CSE	1
241077	MA3151	3	3	2	3	3	3	30/03/2022	CSE	1
241078	MA3151	2	3	3	3	2	2	30/03/2022	CSE	1
241079	MA3151	3	3	2	3	2	2	30/03/2022	CSE	1
241080	MA3151	3	3	2	3	2	2	30/03/2022	CSE	1
241081	MA3151	2	3	3	2	2	2	30/03/2022	CSE	1
241082	MA3151	2	2	3	2	3	2	30/03/2022	CSE	1
241084	MA3151	3	3	3	2	2	3	30/03/2022	CSE	1
241085	MA3151	3	2	2	2	3	3	30/03/2022	CSE	1
241086	MA3151	2	2	3	2	3	2	30/03/2022	CSE	1
241087	MA3151	3	3	3	3	3	2	30/03/2022	CSE	1
241088	MA3151	3	3	3	2	2	2	30/03/2022	CSE	1
241089	MA3151	3	3	3	2	3	2	30/03/2022	CSE	1
241090	MA3151	3	2	2	3	3	3	30/03/2022	CSE	1
241091	MA3151	3	2	2	2	3	3	30/03/2022	CSE	1
241092	MA3151	2	2	3	2	2	3	30/03/2022	CSE	1
241093	MA3151	2	3	3	3	3	2	30/03/2022	CSE	1
241094	MA3151	3	2	3	3	2	2	30/03/2022	CSE	1
241095	MA3151	2	2	3	3	2	2	30/03/2022	CSE	1
241096	MA3151	2	3	2	3	2	3	30/03/2022	CSE	1
241097	MA3151	2	2	3	3	3	2	30/03/2022	CSE	1

241098	MA3151	3	3	2	2	2	3	30/03/2022	CSE	1
241099	MA3151	3	3	3	2	2	2	30/03/2022	CSE	1
241100	MA3151	2	2	3	2	2	3	30/03/2022	CSE	1
241101	MA3151	2	2	2	3	2	2	30/03/2022	CSE	1
241102	MA3151	3	2	3	2	3	2	30/03/2022	CSE	1
241103	MA3151	3	3	2	3	3	2	30/03/2022	CSE	1
241104	MA3151	2	2	2	3	3	2	30/03/2022	CSE	1
241105	MA3151	3	2	2	3	2	2	30/03/2022	CSE	1
241106	MA3151	2	2	3	2	3	3	30/03/2022	CSE	1
241107	MA3151	2	2	2	3	3	3	30/03/2022	CSE	1
241108	MA3151	2	2	3	2	2	2	30/03/2022	CSE	1
241109	MA3151	3	3	3	3	3	3	30/03/2022	CSE	1
241110	MA3151	2	3	3	2	3	2	30/03/2022	CSE	1
241111	MA3151	2	2	3	2	3	2	30/03/2022	CSE	1
241112	MA3151	2	3	2	3	3	2	30/03/2022	CSE	1
241113	MA3151	2	3	3	3	3	3	30/03/2022	CSE	1
241114	MA3151	2	2	2	3	3	3	30/03/2022	CSE	1
241115	MA3151	2	3	2	2	3	2	30/03/2022	CSE	1
241116	MA3151	2	3	2	3	3	2	30/03/2022	CSE	1
241117	MA3151	3	3	2	2	3	3	30/03/2022	CSE	1
241118	MA3151	2	3	2	2	3	2	30/03/2022	CSE	1
241119	MA3151	3	3	2	3	2	2	30/03/2022	CSE	1
241120	MA3151	2	2	3	3	2	2	30/03/2022	CSE	1
241121	MA3151	2	2	3	3	2	2	30/03/2022	CSE	1

241122	MA3151	2	3	2	2	3	2	30/03/2022	CSE	1
241123	MA3151	3	3	3	2	2	2	30/03/2022	CSE	1
241124	MA3151	2	3	2	2	2	2	30/03/2022	CSE	1
241125	MA3151	3	2	2	2	3	2	30/03/2022	CSE	1
241126	MA3151	2	2	3	2	3	2	30/03/2022	CSE	1
Attained Level		2.44	2.53	2.44	2.48	2.52	2.44			
%		81.33	84.33	81.33	82.67	84.00	81.33			

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : MATHS Month&Year: 2ND FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	neelambari-mat	CIVIL-A/3	24	MA8353/Transforms And Partial Differential Equations	14.88	14.88	7.27	11.00	10.90	11.50	3.73	5.70	7.47	7.53	94.85
2	arunkumar-mat	CSE-A/1	61	MA3151/Matrices And Calculus	11.11	11.16	6.03	9.29	9.48	9.32	3.21	5.10	6.19	6.27	77.17
3	subhashini-mat	CSE-A/3	58	MA8351/Discrete Mathematics	14.90	14.59	6.98	10.39	9.85	10.34	3.56	5.57	7.34	7.34	90.84
4	neelambari-mat	CSE-A/5	34	MA8551/Algebra And Number Theory	14.82	14.74	7.25	10.94	10.59	10.94	3.67	5.65	7.29	7.44	93.32
5	revathi-mat	CSE-B/1	62	MA3151/Matrices And Calculus	13.11	12.68	6.81	10.26	9.87	10.14	3.38	5.17	6.84	7.07	85.33
6	geetha-mat	CSE-B/3	57	MA8351/Discrete Mathematics	14.32	14.32	6.74	10.11	9.22	9.89	3.27	5.16	6.79	6.71	86.52
7	sivamani-mat	CSE-B/5	53	MA8551/Algebra And Number Theory	14.83	14.77	7.18	11.18	11.18	11.18	3.74	5.52	7.55	7.61	94.77
8	sivamani-mat	ECE-A/1	58	MA3151/Matrices And Calculus	13.24	13.14	6.73	10.51	10.26	10.26	3.53	5.32	6.90	7.01	86.90
9	geetha-mat	ECE-A/3	44	MA8352/Linear Algebra And Partial Differential Equations	14.80	14.66	6.95	10.53	9.55	10.31	3.42	5.48	7.09	6.95	89.72
10	subhashini-mat	ECE-B/3	27	MA8352/Linear Algebra And Partial Differential Equations	14.11	14.00	6.70	10.22	9.16	9.69	3.29	5.11	6.81	6.64	85.73

11	subhashini-mat	EEE-A/1	45	MA3151/Matrices And Calculus	12.13	12.07	6.33	8.91	8.69	9.28	3.15	4.93	6.40	6.51	78.40
12	anu-mat	EEE-A/3	39	MA8353/Transforms And Partial Differential Equations	14.38	14.08	6.52	9.72	9.42	9.78	3.30	4.89	6.61	6.56	85.27
13	arunkumar-mat	ICE-A/3	24	MA8353/Transforms And Partial Differential Equations	14.50	14.38	6.73	10.50	10.10	10.30	3.37	5.35	7.07	7.07	89.36
14	sivamani-mat	IT-A/1	56	MA3151/Matrices And Calculus	12.91	13.18	6.69	10.41	10.11	10.20	3.40	5.19	6.71	6.89	85.69
15	anu-mat	IT-A/3	18	MA8351/Discrete Mathematics	14.83	14.83	7.47	11.20	10.13	10.53	3.60	5.53	6.93	7.38	92.44
16	revathi-mat	IT-A/5	15	MA8551/Algebra And Number Theory	14.20	14.20	6.61	10.08	8.96	10.24	3.36	5.44	7.15	7.57	87.81
17	lakshmidevi-mat	MECH-A/1	1	MA3151/Matrices And Calculus	9.00	9.00	3.20	7.20	2.40	2.40	.80	1.20	1.60	1.60	38.40
18	arunkumar-mat	MECH-A/3	32	MA8353/Transforms And Partial Differential Equations	14.53	14.44	6.75	10.65	10.50	9.98	3.53	5.55	7.15	6.95	90.02

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Even Semester(2021-22) -I Year UG

APR'22	DAY	DETAILS	Day order	working days	MAY'22	DAY	DETAILS	Day order	working days	JUN'22	DAY	DETAILS	Day order	working days	JUL'22	DAY	DETAILS	Day order	working days
01	FRI				01	SUN	May Day Holiday			01	WED		V	42	01	FRI	IA test-3	IV	66
02	SAT	Telugu New Year Holiday			02	MON	Holiday			02	THU		I	43	02	SAT	IA test-3	V	67
03	SUN	Holiday			03	TUE	Ramzan Holiday			03	FRI	Sports Day	II	44	03	SUN	Holiday		
04	MON	Classes commence for II semester	IV	1	04	WED	IA test-1	III	20	04	SAT	College Day	III	45	04	MON	Syllabus completion	I	68
05	TUE		V	2	05	THU	IA test-1	IV	21	05	SUN	Holiday			05	TUE			
06	WED		I	3	06	FRI	IA test-1	V	22	06	MON	IA test-2	IV	46	06	WED	Commencement of University Practical exams		
07	THU		II	4	07	SAT	IA test-1	I	23	07	TUE	IA test-2	V	47	07	THU			
08	FRI		III	5	08	SUN	Holiday			08	WED	IA test-2	I	48	08	FRI			
09	SAT	Graduation Day -2019 Batch Holiday			09	MON	IA test-1	II	24	09	THU	IA test-2	II	49	09	SAT	Holiday		
10	SUN	Graduation Day -2020 Batch Holiday			10	TUE	IA test-1	III	25	10	FRI	IA test-2	III	50	10	SUN	Bakrid Holiday		
11	MON		IV	6	11	WED		IV	26	11	SAT	IA test-2	IV	51	11	MON			
12	TUE		V	7	12	THU		V	27	12	SUN	Holiday			12	TUE			
13	WED		I	8	13	FRI		I	28	13	MON		V	52	13	WED			
14	THU	Tamil New Year Holiday			14	SAT		II	29	14	TUE		I	53	14	THU			
15	FRI	Good Friday Holiday			15	SUN	Holiday			15	WED		II	54	15	FRI			
16	SAT	Holiday			16	MON		III	30	16	THU		III	55	16	SAT	Holiday		
17	SUN	Holiday			17	TUE		IV	31	17	FRI		IV	56	17	SUN	Holiday		
18	MON		II	9	18	WED		V	32	18	SAT	Holiday			18	MON	Commencement of University Theory exams		
19	TUE		III	10	19	THU		I	33	19	SUN	Holiday			19	TUE			
20	WED		IV	11	20	FRI	Student Feedback-1	II	34	20	MON		V	57	20	WED			
21	THU		V	12	21	SAT	Holiday			21	TUE	Student Feedback-2	I	58	21	THU			
22	FRI		I	13	22	SUN	Holiday			22	WED		II	59	22	FRI			
23	SAT		II	14	23	MON		III	35	23	THU		III	60	23	SAT	Holiday		
24	SUN	Holiday			24	TUE		IV	36	24	FRI		IV	61	24	SUN	Holiday		
25	MON		III	15	25	WED		V	37	25	SAT	Holiday			25	MON			
26	TUE		IV	16	26	THU		I	38	26	SUN	Holiday			26	TUE			
27	WED	Founder's Memorial day	V	17	27	FRI		II	39	27	MON	IA test-3	V	62	27	WED			
28	THU		I	18	28	SAT	Holiday			28	TUE	IA test-3	I	63	28	THU			
29	FRI		II	19	29	SUN	Holiday			29	WED	IA test-3	II	64	29	FRI			
30	SAT	Holiday			30	MON		III	40	30	THU	IA test-3	III	65	30	SAT	Holiday		
					31	TUE		IV	41						31	SUN	Holiday		
			19	19				22	41				24	65				3	68
																	Total No.of working days for the semester :	68	

Prepared by

Ms. N. Bhavani, Asso.Prof/IT dept

Dr. R. Senthamil Selvi,Asso. Prof/ CSE Dept

Principal

SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjapur, Trichy 620012

Department of Mathematics

Academic Year 2021-2022 (Even Semester)

S.No	Name of the Staff	Designation	Year	Subject	Total No. of Hours / cycle
				Theory	
1.	Dr. R. Neelambari	Assoc. Prof & Head I/C	I YEAR MECH	MA3251 -STATISTICS AND NUMERICAL METHODS	8 hrs
			II YEAR IT	MA8391-PROBABILITY AND STATISTICS	
			I YEAR MECH	TUTORIAL	
2.	Dr. D. Geetha	Asst. Prof.	I YEAR AIDS	MA8251- STATISTICS AND NUMERICAL METHODS	11 hrs
			II YEAR CSE B	MA8402- PROBABILITY AND QUEUEING THEORY	
			I YEAR AIDS	TUTORIAL	
			I YEAR CIVIL	TUTORIAL	
			II YEAR CSE A	TRAINING AND PALCEMENTS	
			II YEAR ECE A	TRAINING AND PALCEMENTS	
3.	Dr. S. Sivamani	Asst. Prof.	I YEAR ICE	MA3251 -STATISTICS AND NUMERICAL METHODS	12hrs
			II YEAR ECE B	MA8451- RANDOM PROCESS	
			I YEAR ICE	TUTORIAL	
			I YEAR ECE A	TUTORIAL	
			I YEAR AIDS	TUTORIAL	
			I YEAR IT	TUTORIAL	
			II YEAR CIVIL	TRAINING AND PALCEMENTS	
4.	Dr. S. Revathy	Asst. Prof.	I YEAR CSBS	MA3251 -STATISTICS AND NUMERICAL METHODS	12 hrs
			II YEAR ICE	MA8491- NUMERICAL METHODS	
			I YEAR CSBS	TUTORIAL	
			I YEAR EEE	TUTORIAL	
			I YEAR MECH	TUTORIAL	
			II ECE B	TRAINING AND PLACEMENT	
			II YEAR CSE B	TRAINING AND PALCEMENTS	
5.	Dr. S. Arunkumar	Asst. Prof.	I YEAR IT	MA3251 -STATISTICS AND NUMERICAL METHODS	12 hrs
			II YEAR ECE A	MA8451- RANDOM PROCESS	
			I YEAR IT	TUTORIAL	
			I YEAR ICE	TUTORIAL	
			I YEAR CSBS	TUTORIAL	
			I YEAR ECE B	TUTORIAL	
			II YEAR ICE	TRAINING AND PALCEMENTS	

6.	Dr. P.K. Lakshmi Devi	Asst. Prof	I YEAR CIVIL	MA3251 -STATISTICS AND NUMERICAL METHODS	12 hrs
			I YEAR ECE A	MA3251 -STATISTICS AND NUMERICAL METHODS	
			II YEAR CSE A	MA8402- PROBABILITY AND QUEUEING THEORY	
			I YEAR CIVIL	TUTORIAL	
			I YEAR ECE A	TUTORIAL	
7.	Dr. S. Anupriya	Asst. Prof.	I YEAR CSE A	MA3251 -STATISTICS AND NUMERICAL METHODS	8 hrs
			II YEAR CIVIL	MA8491- NUMERICAL METHODS	
			I YEAR CSE A	TUTORIAL	
8.	Dr. N. Subashini	Asst. Prof	I YEAR CSE B	MA3251 -STATISTICS AND NUMERICAL METHODS	9 hrs
			II YEAR MECH	MA8452 - STATISTICS AND NUMERICAL METHODS	
			I YEAR CSE B	TUTORIAL	
			II IT	TRAINING AND PLACEMENT	
9.	Dr. G. Ravichandran	Asst. Prof	I YEAR ECE B	MA3251 -STATISTICS AND NUMERICAL METHODS	12 hrs
			I MBA	APPLIED OPERATIONS RESEARCH	
			I YEAR CSE A	TUTORIAL	
			I YEAR CSE B	TUTORIAL	
			I YEAR ECE B	TUTORIAL	
			II YEAR MECH	TRAINING AND PLACEMENT	
			II YEAR EEE	TRAINING AND PLACEMENT	
10.	Dr. S. Dinesh	Asst. Prof	II YEAR EEE	MA8491- NUMERICAL METHODS	9 hrs
			I YEAR EEE	MA3251 -STATISTICS AND NUMERICAL METHODS	
			I YEAR EEE	TUTORIAL	
			II YEAR MBA	TRAINING AND PLACEMENT	
Total No. of periods					**105 hrs**

Head of the Department

Principal

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)
DEPARTMENT OF MATHEMATICS

REVIEW OF COURSE FILE

S.No.	Details	
1.	Vision, Mission, PEOs, POs, PSOs, Blooms taxonomy	
2.	Timetable/Workload of the Staff – Distribution of teaching load	
3.	Syllabus	
4.	Lecture Schedule signed by Staff &HoD	
5.	Course Committee meeting circular and minutes	
6.	Previous AU Question papers(at least 5)	
7.	Unit wise Q&A	
8.	Unit wise course material	
9.	Assignment question paper with sample answer sheets (at least 3)and mark entry	
10.	Tutorial questionpaper with key (minimum 3 Tutorials per unit, 15 Tutorials per course)and mark entry – for subjects with 4 credits	
11.	IA test Q Paper with Key, sample answer papers (at least 3) and mark entry	
12.	IA Test- Performance analysis-evidence-root cause analysis.	
13.	Makeup Test –Q paper-Attendance-marks -sample answer papers	
14.	Special class/coaching class/remedial class/attendance	
15.	Course end survey	
16.	Internal Assessment sheet	
17.	AU question paper with students feedback	
18.	AU result analysis- Details of arrear students, toppers	
19.	AU grade sheet	
20.	CO – PO & PSO attainment sheet	

LESSON PLAN

MA3251 – STATISTICS AND NUMERICAL METHODS
ACADEMIC YEAR: 2021-22/ EVEN SEM.

Name of the Staff: Dr. G. Ravichandran **Branch: ECE-B**

Year: I **Semester: II**

S. No	Topics	Hours	Text & Ref. Books
UNIT III SOLUTION OF EQUATIONS AND EIGENVALUE PROBLEMS		**(12)**	
1	Solution of algebraic and transcendental equations -Fixed point iteration method, Newton- Raphson method	2	Grewal, B.S., and Grewal, J.S., "Numerical Methods in Engineering and Science", Khanna Publishers, 10th Edition, New Delhi, 2015.
2	Solution of linear system of equations -Gauss Elimination method	2	
3	Gauss-Jordan methods, Pivoting	2	
4	Iterative methods - Gauss-Jacobi method	1	
5	Gauss-Seidel method	1	
6	Eigen values of a matrix - Power method	2	
7	Eigen values of symmetric matrices - Jacobi method	2	
UNIT IV INTERPOLATION, NUMERICAL DIFFERENTIATION & INTEGRATION (12)			
8	Interpolation with Unequal intervals: Lagrange's interpolation	2	Johnson, R.A., Miller, I and Freund J, "Miller and Freund's Probability and Statistics for Engineers", Pearson Education, Asia, 8th Edition, 2015.
9	Newton's divided difference interpolation	2	
10	Interpolation with Equal intervals: Newton's forward and backward difference interpolation	2	
11	Approximation of derivatives using interpolation polynomials	2	
12	Numerical single integration using Trapezoidal and Simpson's 1/3 rules	2	
13	Numerical double integration using Trapezoidal and Simpson's 1/3 rules	2	
UNIT V NUMERICAL SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS (12)			
14	Single step method for solving first order differential equations: Taylor's series method	2	-do-
15	Euler's method, Modified Euler's method	3	
16	Fourth order Runge-Kutta method	2	
17	Multi step method for solving first order differential equations: Milne's predictor-corrector method	3	
18	Adams - Bashforth predictor corrector method	2	

UNIT I TESTING OF HYPOTHESIS		**(12)**	
19	Testing of Hypothesis: Large samples-Tests for single mean and difference of means	2	-do-
20	Test for significant difference between sample and population standard deviations	1	
21	Test for significant difference between sample and population proportions	2	
22	Sampling distributions: Small samples tests- t-test for single mean and difference of means	2	
23	F-test for equality of variances	1	
24	Chi-square test for goodness of fit	2	
25	Independence of attributes	2	
UNIT II DESIGN OF EXPERIMENTS		**(12)**	
26	Design of experiment –definition and important terms	2	-do-
27	One-way classification-Completely randomized design(CRD)–problems	2	
28	Two-way classification-Randomized block design(RBD)–problems	3	
29	Three-way classification- Latin square design– problems	3	
30	2^2 factorial design- problems	2	
Total Hours		**60**	

Signature of the staff

Signature of the HOD

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

ASSIGNMENT

NAME : E. HARIKRISHNAN

BATCH NO : 2/42039

COURSE : B.E ECE A

COURSE CODE: MA 3251

YEAR/SEC : I / ECE A

CONTENT (6)	SUBMISSION (2)	PRESENTATION (2)	TOTAL (10)	STAFF SIGNATURE
6	2	1	9	

Rubrics of Tutorial Evaluation

Categories	Level 1	Level 2	Level 3
Submission of assignment / tutorial task **(5)**	Not submitted / submitted with inadequate content (0-1)	Submitted with satisfactory content but overdue (2-3)	Submitted on date with appropriate content (4-5)
Attendance **(5)**	Student misses all tutorials (0)	Student misses one tutorial (4)	Student attends all tutorials (5)
Student's Score **(10)**	(0 – 1)	(6 – 7)	(9 – 10)

SARANATHAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

TUTORIAL

ASSIGNMENT

NAME : HARISH.R

BATCH NO : 24204

COURSE : B.E ECE-A

COURSE CODE: MA 3251

YEAR/SEC : I / ECE A

CONTENT (6)	SUBMISSION (2)	PRESENTATION (2)	TOTAL (10)	STAFF SIGNATURE
6	1	1	8	

Rubrics of Tutorial Evaluation

Categories	Level 1	Level 2	Level 3
Submission of assignment / tutorial task **(5)**	Not submitted / submitted with inadequate content (0-1)	Submitted with satisfactory content but overdue (2-3)	Submitted on date with appropriate content (4-5)
Attendance **(5)**	Student misses all tutorials (0)	Student misses one tutorial (4)	Student attends all tutorials (5)
Student's Score **(10)**	(0 – 1)	(6 – 7)	(9 – 10)

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 12-07-2022

Ref : SCE/Syllabus/ Theory/2021-22 –EVEN Sem./

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject MA3251 / STATISTICS AND NUMERICAL METHODS for I year, II semester, department of ECE-B B.E/~~B.Tech~~/~~MBA~~ during the academic year 2021 – 2022, Even semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 58 Periods, revised syllabus for 7 periods and discussed the Anna University Examination question papers of the last 5 years.

Signature :

Name : Dr. G. RAVICHANDRAN

Designation : AP/C

Department : MATHEMATICS

Date : 12.07.2022

Signature of HoD : 12/7/22

Principal :

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : MATHS Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	geetha-mat	AID-A/2	64	MA3251/Statistics And Numerical Methods	13.50	13.22	7.03	10.16	9.75	10.16	3.42	5.18	6.85	6.90	86.17
2	anu-mat	CIVIL-A/4	17	MA8491/Numerical Methods	11.47	10.94	5.74	8.89	8.75	8.89	2.87	4.80	6.68	5.93	74.98
3	revathi-mat	CSBS-A/2	53	MA3251/Statistics And Numerical Methods	14.21	14.04	7.12	11.23	10.87	11.05	3.65	5.59	7.31	7.52	92.58
4	anu-mat	CSE-A/2	66	MA3251/Statistics And Numerical Methods	13.18	13.14	6.59	10.07	9.38	10.15	3.31	5.15	7.03	6.93	84.93
5	lakshmidevi-mat	CSE-A/4	58	MA8402/Probability And Queueing Theory	13.50	13.45	6.90	9.27	8.94	9.64	3.06	5.38	6.76	7.12	84.01
6	subhashini-mat	CSE-B/2	54	MA3251/Statistics And Numerical Methods	13.17	13.11	7.02	10.44	10.36	10.31	3.42	5.20	6.84	6.93	86.81
7	geetha-mat	CSE-B/4	60	MA8402/Probability And Queueing Theory	12.65	12.40	6.37	9.60	8.52	9.68	3.17	4.94	6.56	6.59	80.48
8	lakshmidevi-mat	ECE-A/2	54	MA3251/Statistics And Numerical Methods	12.89	12.94	6.43	9.42	9.33	10.09	3.17	5.07	6.76	6.87	82.97
9	arunkumar-mat	ECE-A/4	47	MA8451/Probability And Random Processes	12.89	12.77	6.67	10.16	9.91	10.11	3.34	5.13	6.67	6.50	84.15
10	ravichandran-mat	ECE-B/2	53	MA3251/Statistics And Numerical	12.51	12.11	6.46	9.51	8.74	9.83	3.32	5.03	6.58	6.19	80.28

				Methods											
11	sivamani-mat	ECE-B/4	46	MA8451/Probability And Random Processes	13.11	13.24	7.13	10.59	10.75	10.49	3.60	5.32	6.89	7.20	88.31
12	dinesh-mat	EEE-A/2	45	MA3251/Statistics And Numerical Methods	13.60	13.40	7.36	11.04	10.67	10.93	3.63	5.52	7.36	7.22	90.72
13	subhashini-mat	EEE-A/4	62	MA8491/Numerical Methods	11.90	11.81	6.14	9.29	9.02	9.37	3.03	4.72	6.17	6.40	77.85
14	sivamani-mat	ICE-A/2	17	MA3251/Statistics And Numerical Methods	14.29	13.94	7.25	11.01	10.73	11.01	3.81	5.58	7.53	7.81	92.96
15	revathi-mat	ICE-A/4	27	MA8491/Numerical Methods	14.67	14.44	7.82	11.56	10.58	11.47	3.85	5.69	7.70	7.70	95.48
16	arunkumar-mat	IT-A/2	58	MA3251/Statistics And Numerical Methods	12.36	12.00	6.12	9.68	9.27	9.68	3.30	5.11	6.81	6.37	80.71
17	neelambari-mat	IT-A/4	47	MA8391/Probability And Statistics	13.66	13.34	6.98	10.11	10.11	10.37	3.35	5.31	6.64	7.22	87.09
18	ravichandran-mat	MBA-A/2	56	BA4201/Quantitative Techniques For Decision Marking	12.70	12.38	6.31	9.26	9.43	9.60	3.03	4.91	6.29	5.97	79.86
19	neelambari-mat	MECH-A/2	40	MA3251/Statistics And Numerical Methods	13.43	13.50	7.28	10.86	10.62	10.74	3.68	5.55	7.12	7.36	90.14
20	dinesh-mat	MECH-A/4	71	MA8452/Statistics And Numerical Methods	13.14	13.18	6.92	10.92	10.01	10.34	3.58	5.24	6.83	6.96	87.12

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

DEPARTMENT OF CHEMISTRY

COURSE FILE - CHECK LIST

S.NO	CONTENTS	Y/N
1	Vision & Mission	Y
2	Course committee meeting	Y
3	Content beyond syllabus	Y
4	Syllabus	Y
5	Lesson plan	Y
6	Class wise name list	Y
7	Class Time table	Y
8	Assignment samples	Y
9	IA test question paper-1 with answer key	Y
10	IA test question paper-2 with answer key	Y
11	IA test question paper-3 with answer key	Y
12	Make up test question paper-1 with answer key	–
13	Make up test question paper-2 with answer key	Y
	Make up test question paper-3 with answer key	–
	Sample Answer scripts for IA tests	Y
14	Make up test-1,2 and 3 attendance	
	Sample Answer scripts for Make up tests	Y
	Remedial class-1 & 2 attendance	–
15	Remedial class-1 & 2 sample scripts	–
16	University question papers	Y
17	University Exam failures list	–
18	Course exit survey	Y
19	CO-PO attainment sheet-Internal	–
20	CO-PO attainment sheet-External	–
21	CO-PO attainment sheet-Overall	–

H.O.D. / CHEMISTRY
Saranathan College of Engineering
Tiruchirapalli - 620 012.

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LESSON PLAN

R2021

CY3151- ENGINEERING CHEMISTRY

ODD SEMESTER [NOV 2021 to MARCH 2021]

UNIT I WATER AND ITS TREATMENT

TOPIC	NO. OF PERIODS	REFERENCE
Water: Sources and impurities	1	1. O.G. Palanna, "Engineering Chemistry" McGraw Hill Education (India) Private Limited, 2nd Edition, 2017. 2. Friedrich Emich, "Engineering Chemistry", Scientific International PVT, LTD, New Delhi, 2014. 3. Shikha Agarwal, "Engineering Chemistry-Fundamentals and Applications", Cambridge University Press, Delhi, Second Edition, 2019. 4. O.V. Roussak and H.D. Gesser, Applied Chemistry-A Text Book for Engineers and Technologists, Springer Science Business Media, New York, 2nd Edition, 2013.
Water quality parameters: Definition and significance of- colour, odour, turbidity, pH, hardness, alkalinity, TDS, COD and BOD, flouride and arsenic	2	
Municipal water treatment: primary treatment and disinfection (UV, Ozonation, break-point chlorination)	2	
Desalination of brackish water: Reverse Osmosis	1	
Boiler troubles: Scale and sludge, Boiler corrosion, Caustic embrittlement, Priming &foaming	1	
Treatment of boiler feed water: Internal treatment (phosphate, colloidal, sodium aluminate and calgon conditioning)	1	
External treatment – Ion exchange demineralisation and zeolite process.	2	

TOTAL = 10 PERIOD

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UNIT – III PHASE RULE AND COMPOSITES

TOPIC	NO. OF PERIODS	REFERENCE
Phase rule: Introduction, definition of terms with examples	1	1. O.G. Palanna, "Engineering Chemistry" McGraw Hill Education (India) Private Limited, 2nd Edition, 2017. 2. Friedrich Emich, "Engineering Chemistry", Scientific International PVT, LTD, New Delhi, 2014. 3. ShikhaAgarwal, "Engineering Chemistry-Fundamentals and Applications", Cambridge University Press, Delhi, Second Edition, 2019. 4. O.V. Roussak and H.D. Gesser, Applied Chemistry-A Text Book for Engineers and Technologists, Springer Science Business Media, New York, 2nd Edition, 2013.
One component system - water system	1	
Reduced phase rule; Construction of a simple eutectic phase diagram	1	
Thermal analysis	1	
Two component system: lead-silver system - Pattinson process.	1	
Composites: Introduction: Definition & Need for composites	1	
Constitution: Matrix materials (Polymer matrix, metal matrix and ceramic matrix)	1	
Reinforcement (fiber, particulates, flakes and whiskers)	1	
Properties and applications of: Metal matrix composites (MMC), Ceramic matrix composites and Polymer matrix composites.	1	
Hybrid composites - definition and examples	1	

TOTAL = 10 PERIODS

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UNIT IV- FUELS AND COMBUSTION

TOPIC	NO. OF PERIODS	REFERENCE
Fuels: Introduction: Classification of fuels	1	1. O.G. Palanna, "Engineering Chemistry" McGraw Hill Education (India) Private Limited, 2nd Edition,2017. 2. Friedrich Emich, "Engineering Chemistry", Scientific International PVT, LTD, New Delhi, 2014. 3. ShikhaAgarwal, "Engineering Chemistry-Fundamentals and Applications", Cambridge University Press, Delhi, Second Edition, 2019. 4. O.V. Roussak and H.D. Gesser, Applied Chemistry-A Text Book for Engineers and Technologists, Springer Science Business Media, New York, 2nd Edition, 2013.
Coal and coke: Analysis of coal (proximate and ultimate)	2	
Carbonization, Manufacture of metallurgical coke (Otto Hoffmann method).	1	
Petroleum and Diesel: Manufacture of synthetic petrol (Bergius process)	1	
Knocking - octane number, diesel oil - cetane number	1	
Power alcohol and biodiesel	1	
Combustion of fuels: Introduction: Calorific value - higher and lower calorific values	1	
Theoretical calculation of calorific value. **Ignition temperature**: spontaneous ignition temperature, Explosive range	1	
Flue gas analysis - ORSAT Method. **CO2 emission and carbon foot print**	1	

TOTAL = 10 PERIODS

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Saranathan College of Engineering

Department of Chemistry

Individual Time Table (Nov 2021- Mar 2022) Odd Semester

Dr.L.MURUGANANDAM

Day Order	1	2	3		4	5	6
I			I / B		← BS3171 (A / F) Lab →		
II	← BS3171 (B / G) Lab →						
III				LUNCH	I / B		
IV						I / B	
V		I / B			BS3171 (E / J) Lab →		

S.Code	Title	Year / Sec	Hours
CY3151	Engineering Chemistry	I / B	4
BS3171	Chemistry Laboratory	A/F, B/G & E/J (2)	8

TOTAL - 12 hours

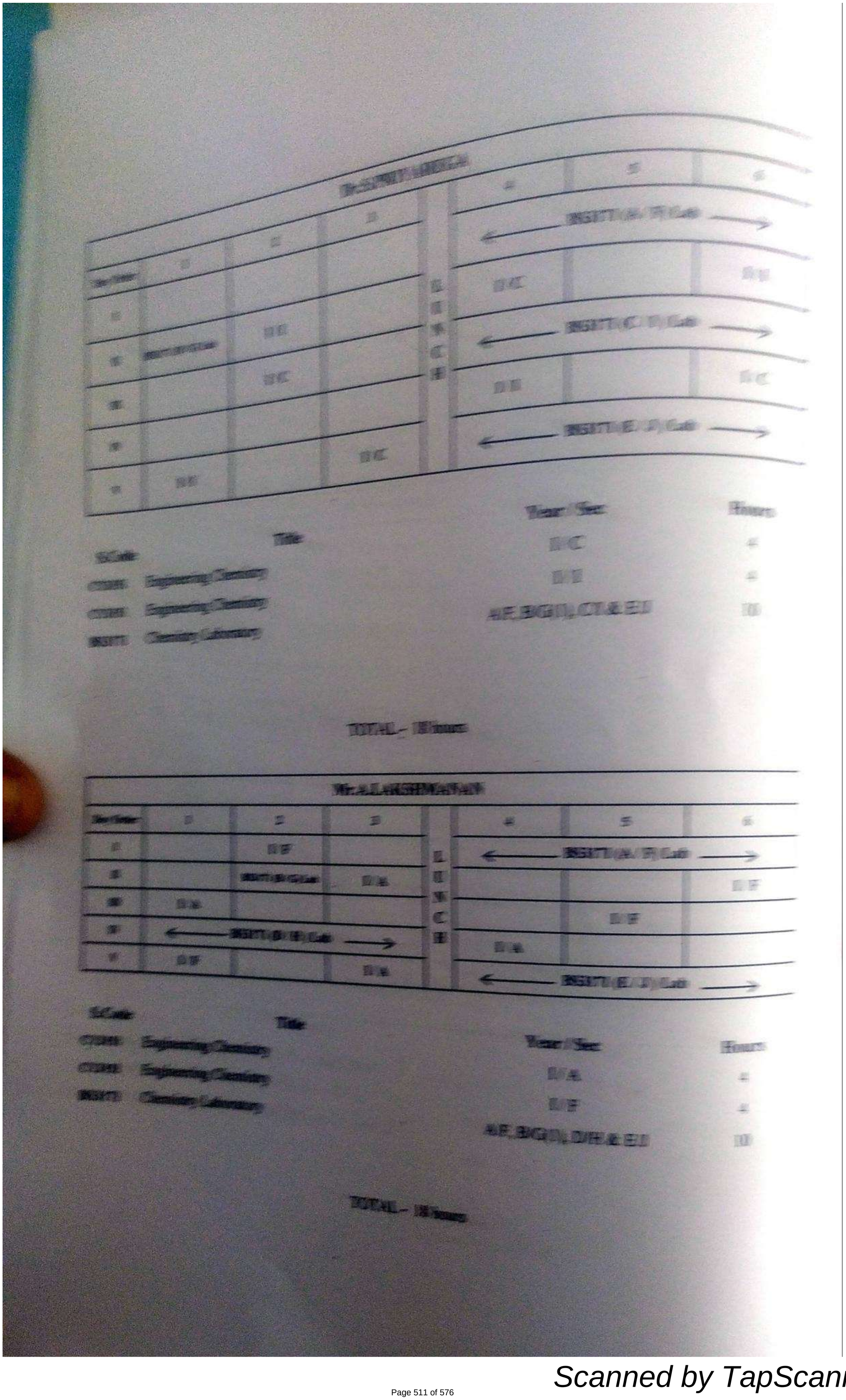
Dr.V.BALAMURUGAN

Day Order	1	2	3		4	5	6
I					← BS3171 (A / F) Lab →		
II	← BS3171 (B / G) Lab →					I / G	
III			I / G	LUNCH	← BS3171 (C / I) Lab →		
IV	← BS3171 (D / H) Lab →						
V	I / G						I / G

S.Code	Title	Year / Sec	Hours
CY3151	Engineering Chemistry	I / G	4
BS3171	Chemistry Laboratory	A/F, B/G, C/I & D/H	12

TOTAL - 16 hours

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Mr.B.BALAPRASAD							
Day Order	1	2	3	LUNCH	4	5	6
I		I / J			I / J		I / E
II		I / E	BS3171 (B / G) Lab				
III	I / E		I / J		← BS3171 (C / I) Lab →		
IV	← BS3171 (D / H) Lab →					I / E	
V		I / J			← BS3171 (E / J) Lab →		

S.Code	Title	Year / Sec	Hours
CY3151	Engineering Chemistry	I / E	4
CY3151	Engineering Chemistry	I / J	4
BS3171	Chemistry Laboratory	B/G(1), C/I, D/H & E/J	10

TOTAL - 18 hours

Ms.G.THULASI							
Day Order	1	2	3	LUNCH	4	5	6
I			I / H			I / D	
II	← BS3171 (B / G) Lab →				I / D		I / H
III	I / H		I / D		← BS3171 (C / I) Lab →		
IV	← BS3171 (D / H) Lab →						I / H
V						I / D	BS3171 (E / J) Lab

S.Code	Title	Year / Sec	Hours
CY3151	Engineering Chemistry	I / D	4
CY3151	Engineering Chemistry	I / H	4
BS3171	Chemistry Laboratory	B/G, C/I, D/H & E/J(1)	10

TOTAL - 18 hours

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Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **1** Programme: **B.E/B.Tech (CSE)**
Subject Code : **CY3151** NBA Code : **C104** Title **ENGINEERING CHEMISTRY**
Faculty: Dr.G.Thulasi / Mr.B.Balaprasad

Cos	CO Description	Attained Level	%
C104.1	To infer the quality of water from quality parameter data and propose suitable treatment methodologies to treat water	2.52	84.00
C104.2	To identify and apply basic concepts of nanoscience and nanotechnology in designing the synthesis of nanomaterials for engg and tech. applications	2.48	82.67
C104.3	To apply the knowledge of phase rule and composites for materials selection requirements.	2.52	84.00
C104.4	To recommend suitable fuel for engg. processes and applications	2.48	82.67
C104.5	To analyse combustion process and its calculations	2.48	82.67
C104.6	To recognize different forms of energy resources and apply them for suitable applications in energy sectors.	2.54	84.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 124

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
241001	CY3151	3	3	3	2	2	2	30/03/2022	CSE	1
241002	CY3151	3	3	3	2	3	3	30/03/2022	CSE	1
241003	CY3151	2	2	3	2	2	2	30/03/2022	CSE	1
241004	CY3151	3	2	3	2	2	3	30/03/2022	CSE	1
241005	CY3151	3	3	2	2	2	2	30/03/2022	CSE	1
241006	CY3151	2	2	3	3	2	3	30/03/2022	CSE	1
241007	CY3151	3	2	3	2	3	2	30/03/2022	CSE	1
241008	CY3151	2	2	3	2	2	2	30/03/2022	CSE	1
241009	CY3151	3	2	3	3	2	3	30/03/2022	CSE	1
241010	CY3151	3	3	2	2	3	2	30/03/2022	CSE	1
241011	CY3151	2	2	3	3	2	3	30/03/2022	CSE	1
241012	CY3151	2	3	2	3	2	3	30/03/2022	CSE	1
241013	CY3151	3	3	2	2	3	2	30/03/2022	CSE	1
241015	CY3151	2	2	3	2	3	3	30/03/2022	CSE	1
241016	CY3151	3	2	3	2	2	3	30/03/2022	CSE	1
241017	CY3151	2	3	2	3	3	3	30/03/2022	CSE	1
241018	CY3151	2	3	2	3	3	3	30/03/2022	CSE	1
241019	CY3151	2	2	2	2	3	3	30/03/2022	CSE	1
241020	CY3151	3	2	2	2	3	2	30/03/2022	CSE	1
241021	CY3151	2	3	2	3	3	2	30/03/2022	CSE	1
241022	CY3151	3	2	3	3	2	2	30/03/2022	CSE	1
241023	CY3151	3	2	3	3	2	3	30/03/2022	CSE	1
241024	CY3151	3	3	3	3	3	3	30/03/2022	CSE	1
241025	CY3151	2	2	2	2	2	3	30/03/2022	CSE	1
241026	CY3151	2	2	3	2	2	3	30/03/2022	CSE	1
241027	CY3151	3	2	2	3	3	2	30/03/2022	CSE	1
241028	CY3151	3	3	2	3	3	2	30/03/2022	CSE	1
241029	CY3151	3	2	3	2	2	3	30/03/2022	CSE	1

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241030	CY3151	3	2	2	2	3	2	30/03/2022	CSE	1
241031	CY3151	2	2	3	2	3	2	30/03/2022	CSE	1
241032	CY3151	3	2	2	3	3	3	30/03/2022	CSE	1
241033	CY3151	3	3	2	2	3	3	30/03/2022	CSE	1
241034	CY3151	3	3	3	3	2	2	30/03/2022	CSE	1
241035	CY3151	2	2	3	3	3	3	30/03/2022	CSE	1
241036	CY3151	3	3	2	3	2	3	30/03/2022	CSE	1
241037	CY3151	3	3	2	3	3	3	30/03/2022	CSE	1
241038	CY3151	3	2	3	2	2	3	30/03/2022	CSE	1
241039	CY3151	2	3	2	3	2	3	30/03/2022	CSE	1
241040	CY3151	3	2	3	2	2	3	30/03/2022	CSE	1
241041	CY3151	2	2	3	3	3	3	30/03/2022	CSE	1
241042	CY3151	2	3	2	3	3	2	30/03/2022	CSE	1
241043	CY3151	2	2	2	3	2	3	30/03/2022	CSE	1
241044	CY3151	2	3	3	3	3	2	30/03/2022	CSE	1
241045	CY3151	3	2	2	3	3	3	30/03/2022	CSE	1
241046	CY3151	2	3	2	2	2	2	30/03/2022	CSE	1
241047	CY3151	2	2	3	2	3	2	30/03/2022	CSE	1
241048	CY3151	3	3	2	3	3	3	30/03/2022	CSE	1
241049	CY3151	3	3	2	2	2	2	30/03/2022	CSE	1
241050	CY3151	3	2	3	2	2	3	30/03/2022	CSE	1
241051	CY3151	2	2	2	2	3	3	30/03/2022	CSE	1
241052	CY3151	3	3	3	2	3	3	30/03/2022	CSE	1
241053	CY3151	3	3	3	3	3	3	30/03/2022	CSE	1
241054	CY3151	3	3	3	3	2	2	30/03/2022	CSE	1
241055	CY3151	3	3	2	3	2	3	30/03/2022	CSE	1
241056	CY3151	2	3	3	2	3	2	30/03/2022	CSE	1
241057	CY3151	2	2	2	3	3	3	30/03/2022	CSE	1
241058	CY3151	2	3	2	3	2	3	30/03/2022	CSE	1
241059	CY3151	3	2	3	2	3	3	30/03/2022	CSE	1
241060	CY3151	3	3	2	2	2	3	30/03/2022	CSE	1
241061	CY3151	3	3	3	2	2	2	30/03/2022	CSE	1
241062	CY3151	2	2	2	3	2	2	30/03/2022	CSE	1
241063	CY3151	2	3	2	2	2	2	30/03/2022	CSE	1
241064	CY3151	3	2	3	2	3	3	30/03/2022	CSE	1
241065	CY3151	2	3	2	3	2	3	30/03/2022	CSE	1
241066	CY3151	2	2	2	3	2	2	30/03/2022	CSE	1
241067	CY3151	2	2	2	3	3	3	30/03/2022	CSE	1
241068	CY3151	3	3	3	2	3	2	30/03/2022	CSE	1
241069	CY3151	2	2	2	3	2	2	30/03/2022	CSE	1
241070	CY3151	2	2	3	3	3	2	30/03/2022	CSE	1
241071	CY3151	3	2	3	3	3	3	30/03/2022	CSE	1
241072	CY3151	2	3	3	3	2	2	30/03/2022	CSE	1
241073	CY3151	2	2	3	2	2	2	30/03/2022	CSE	1
241074	CY3151	2	3	3	2	2	2	30/03/2022	CSE	1
241075	CY3151	3	3	2	3	3	2	30/03/2022	CSE	1
241076	CY3151	2	3	2	3	2	2	30/03/2022	CSE	1
241077	CY3151	3	2	2	3	3	3	30/03/2022	CSE	1
241078	CY3151	3	2	3	2	2	3	30/03/2022	CSE	1

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241079	CY3151	2	2	3	3	2	2	30/03/2022	CSE	1
241080	CY3151	3	2	3	2	2	3	30/03/2022	CSE	1
241081	CY3151	2	3	3	2	2	2	30/03/2022	CSE	1
241082	CY3151	2	2	3	2	3	3	30/03/2022	CSE	1
241084	CY3151	3	3	2	3	2	3	30/03/2022	CSE	1
241085	CY3151	2	2	2	2	3	2	30/03/2022	CSE	1
241086	CY3151	2	2	2	2	3	3	30/03/2022	CSE	1
241087	CY3151	2	2	3	2	3	3	30/03/2022	CSE	1
241088	CY3151	2	3	2	2	2	2	30/03/2022	CSE	1
241089	CY3151	2	2	2	3	2	3	30/03/2022	CSE	1
241090	CY3151	3	3	3	2	2	3	30/03/2022	CSE	1
241091	CY3151	3	2	3	3	3	2	30/03/2022	CSE	1
241092	CY3151	2	3	2	2	2	3	30/03/2022	CSE	1
241093	CY3151	3	3	3	2	2	3	30/03/2022	CSE	1
241094	CY3151	3	2	3	2	3	2	30/03/2022	CSE	1
241095	CY3151	3	3	3	3	2	2	30/03/2022	CSE	1
241096	CY3151	3	3	2	2	2	3	30/03/2022	CSE	1
241097	CY3151	2	2	3	2	3	3	30/03/2022	CSE	1
241098	CY3151	3	2	2	3	2	3	30/03/2022	CSE	1
241099	CY3151	2	2	2	2	2	2	30/03/2022	CSE	1
241100	CY3151	3	3	2	3	3	2	30/03/2022	CSE	1
241101	CY3151	3	3	2	2	3	3	30/03/2022	CSE	1
241102	CY3151	2	2	2	2	3	3	30/03/2022	CSE	1
241103	CY3151	3	3	3	3	3	2	30/03/2022	CSE	1
241104	CY3151	3	2	2	2	2	3	30/03/2022	CSE	1
241105	CY3151	3	3	3	3	2	3	30/03/2022	CSE	1
241106	CY3151	3	3	3	3	3	2	30/03/2022	CSE	1
241107	CY3151	2	2	2	3	3	2	30/03/2022	CSE	1
241108	CY3151	3	3	3	2	2	2	30/03/2022	CSE	1
241109	CY3151	2	3	3	3	3	3	30/03/2022	CSE	1
241110	CY3151	3	2	2	3	2	3	30/03/2022	CSE	1
241111	CY3151	2	2	3	2	2	3	30/03/2022	CSE	1
241112	CY3151	2	3	3	2	2	3	30/03/2022	CSE	1
241113	CY3151	2	2	3	2	2	2	30/03/2022	CSE	1
241114	CY3151	3	3	2	2	2	2	30/03/2022	CSE	1
241115	CY3151	3	2	3	2	3	2	30/03/2022	CSE	1
241116	CY3151	2	3	2	2	3	3	30/03/2022	CSE	1
241117	CY3151	3	3	3	3	2	2	30/03/2022	CSE	1
241118	CY3151	3	2	2	3	3	2	30/03/2022	CSE	1
241119	CY3151	2	2	3	3	2	3	30/03/2022	CSE	1
241120	CY3151	2	2	2	3	3	3	30/03/2022	CSE	1
241121	CY3151	2	3	3	2	3	2	30/03/2022	CSE	1
241122	CY3151	2	3	2	3	3	3	30/03/2022	CSE	1
241123	CY3151	3	2	2	2	3	2	30/03/2022	CSE	1
241124	CY3151	2	3	3	3	2	2	30/03/2022	CSE	1
241125	CY3151	2	2	3	3	2	2	30/03/2022	CSE	1
241126	CY3151	3	3	2	2	3	2	30/03/2022	CSE	1
Attained Level		2.52	2.48	2.52	2.48	2.48	2.54			
%		84.00	82.67	84.00	82.67	82.67	84.67			

H.O.D.
Saranathan College of Engineering
Tiruchirapalli - 620 012.

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Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CHEMISTRY Month&Year: 1ST FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	lakshmanan-che	AID-A/1	64	CY3151/Engineering Chemistry	11.95	11.81	6.18	8.96	9.52	9.11	3.10	4.74	6.25	6.43	78.06
2	muruganandam-che	CIVIL-A/1	26	CY3151/Engineering Chemistry	12.00	12.00	6.03	9.32	9.60	9.05	2.95	4.71	6.09	6.52	78.28
3	priyarega-che	CSBS-A/1	49	CY3151/Engineering Chemistry	11.88	11.63	6.04	8.72	8.82	8.77	2.99	4.60	6.30	5.71	75.46
4	thulasi-che	CSE-A/1	64	CY3151/Engineering Chemistry	12.80	12.70	6.32	9.68	8.36	9.26	3.30	4.86	6.47	6.97	80.73
5	balaprasad-che	CSE-B/1	60	CY3151/Engineering Chemistry	14.05	13.75	7.25	10.40	10.36	10.64	3.56	5.52	7.44	7.36	90.33
6	lakshmanan-che	ECE-A/1	61	CY3151/Engineering Chemistry	11.46	11.07	5.77	8.26	9.48	8.54	2.91	4.68	5.72	5.98	73.87
7	balamurugan-che	ECE-B/1	62	CY3151/Engineering Chemistry	12.58	12.19	6.66	9.29	8.71	9.52	3.30	5.25	6.74	5.65	79.89
8	thulasi-che	EEE-A/1	51	CY3151/Engineering Chemistry	12.18	11.65	5.77	8.94	7.95	9.32	2.90	4.56	6.24	6.62	76.14
9	muruganandam-che	ICE-A/1	15	CY3151/Engineering Chemistry	12.60	13.60	6.19	9.60	10.24	9.92	2.99	5.20	7.04	7.36	84.73
10	priyarega-che	IT-A/1	59	CY3151/Engineering Chemistry	12.61	12.41	6.51	9.56	9.40	9.48	3.13	4.80	6.45	6.43	80.77
11	balaprasad-che	MECH-A/1	54	CY3151/Engineering Chemistry	13.89	13.50	6.43	9.47	10.58	9.91	2.92	5.11	6.96	7.17	85.94

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COURSE LOG

Branch: Civil & ICE

Subject: ENGG. CHEM. LAB.

Date	Day Order	Period	Particulars of Portions Covered	Remarks
			CYCLE - I	
			1. Determination of hardness of Water by EDTA method.	
			2. Determination of types and amount of alkalinity in water	
			3. Determination of strength of acids in a mixture using Conductivity meter.	
			4. Estimation of iron Content using potentiometer.	
1/12/21	II	1,2,3	Experiment - 1	
16/12/21	II	1,2,3	Experiment - 2	
5/1/22	II	1,2,3	Experiment - 3	
14/2/22	II	1,2,3	Experiment - 4	
26/2/22	II	1,2,3	Expt.:5- Estimation of DO in water - Winklers method	
			Expt.:: 6- [illegible] pH metric titration	
1/3/22	Spl.	4	Expt.: 7 - Conductometric precipitation titration.	

DO 21/3

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SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CHEMISTRY

Assignment – 01			Date of Issue:	12.01.22	Marks	10
Course code	CY3151	Course Title	ENGINEERING CHEMISTRY			
Year	I	Semester/Section	I / A to J	Date of Submission:	23.01.22	

Q.No	Questions	CO
	Energy Sources & Storage devices	Co.6

Name and Signature of the Faculty Incharge

S. Jayamoni

G. Thanalakshmi

V. Baby

B. Gowri

HoD/Chemistry

H.O.D. / CHEMISTRY
Saranathan College of Engineering
Tiruchirapalli - 620 012.

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UNIT-II NANOCHEMISTRY

TOPIC	NO. OF PERIODS	REFERENCE
Basics: Distinction between molecules, nanomaterials and bulk materials	1	B. S. Murty, P. Shankar, Baldev Raj, B. B. Rath and James Murday, "Text book of nanoscience and nanotechnology", Universities Press-IIM Series in Metallurgy and Materials Science, 2018.
Size-dependent properties: optical, electrical, mechanical and magnetic properties	1	
Types of nanomaterials: Definition, properties and uses of nanoparticle, nanocluster,	1	
Definition, properties and uses of nanorod, nanowire and nanotube	1	
Preparation of nanomaterials: Sol-gel method	1	
Preparation of nanomaterials: Solvothermal method	1	
Preparation of nanomaterials: Laser ablation method	1	
Preparation of nanomaterials: Chemical vapour deposition method	1	
Preparation of nanomaterials: Electrochemical deposition and Electro spinning methods	1	
Applications of nanomaterials in medicine, agriculture, energy, electronics and catalysis	1	

TOTAL = 10 PERIODS

Scanned by TapScanner

UNIT-V ENERGY SOURCES AND STORAGE DEVICES

TOPIC	NO. OF PERIODS	REFERENCE
Stability of nucleus, mass defect (problems), binding energy	1	1. O.G. Palanna, "Engineering Chemistry" McGraw Hill Education (India) Private Limited, 2nd Edition, 2017. 2. Friedrich Emich, "Engineering Chemistry", Scientific International PVT. LTD, New Delhi, 2014. 3. Shikha Agarwal, "Engineering Chemistry-Fundamentals and Applications", Cambridge University Press, Delhi, Second Edition, 2019. 4. O.V. Roussak and H.D. Gesser, Applied Chemistry-A Text Book for Engineers and Technologists, Springer Science Business Media, New York, 2nd Edition, 2013.
Nuclear energy: light water nuclear powerplant, breeder reactor	1	
Solar energy conversion: Principle, working and applications of solar cells **Recent developments in solar cell materials**	1	
Wind energy & Geothermal energy	1	
Batteries: Types of batteries, Primary battery - dry cell, Secondary battery	1	
lead acid battery and lithium-ion-battery	2	
Electric vehicles- working principles	1	
Fuel cells: H2-O2 fuel cell, microbial fuel cell	1	
Supercapacitors: Storage principle, types and examples.	1	

TOTAL= 10 PERIODS

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SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

Academic Planner for Odd Semester(2021-22) - First Year UG

MONTH	DAY	DETAILS	Week	Day Order	Date	DAY	DETAILS	Week	Day Order	Date	DAY	DETAILS	Week	Day Order	Date	DAY	DETAILS	Week	Day Order	Date	DAY	DETAILS	Week	Day Order
JAN					01	WED		II	7	01	SAT	New year day			01	TUE		V	59	01	TUE	Model Exam		71
					02	THU		III	8	02	SUN	Holiday			02	WED		I	51	02	WED			
		Holiday			03	FRI		IV	9	03	MON		V	30	03	THU	Founder's day	II	52	03	THU	Model Exam		73
		Pongal/T - Holiday			04	SAT	Holiday			04	TUE		I	31	04	FRI		III	53	04	FRI			
		Holiday			05	SUN	Holiday			05	WED		II	33	05	SAT	Holiday			05	SAT	Model Exam		75
		Holiday			06	MON		V	10	06	THU	Saraswathas Jayanthi	III	53	06	SUN	Holiday			06	SUN			
		Holiday			07	TUE	Flag Day	I	11	07	FRI		IV	34	07	MON		IV	54	07	MON	Model Exam		74
					08	WED		II	12	08	SAT		V	35	08	TUE		V	55	08	TUE			
					09	THU		III	13	09	SUN	Holiday			09	WED		I	56	09	WED	Model Exam		75
					10	FRI		IV	14	10	MON		I	36	10	THU		II	57	10	THU	Univ. Practical Exam commences		
		National Education Day			11	SAT	Holiday			11	TUE	National Road Safety day	II	37	11	FRI		III	58	11	FRI			
					12	SUN	Holiday			12	WED	National Youth day	III	38	11	SAT	Holiday			12	SAT	Holiday		
		Holiday			13	MON		V	15	13	THU	Holiday			13	SUN	Holiday			13	SUN	Holiday		
		Children's Day - Holiday			14	TUE	International Energy Day	I	16	14	FRI	Pongal			14	MON		IV	59	14	MON			
		Five year Induction programme			15	WED		II	17	15	SAT	Thiruvalluvar day			15	TUE		V	60	15	TUE			
					16	THU		III	18	16	SUN	Holiday			16	WED		I	61	16	WED			
					17	FRI	Aayudha Pooja	IV	19	17	MON	Holiday			17	THU	Feedback(A,B,C,D,E)	II	62	17	THU			
					18	SAT	Holiday			18	TUE	Thaipusam			18	FRI	Feedback(F,G,H,I,J)	III	63	18	FRI			
					19	SUN	Holiday			19	WED		IV	39	19	SAT	Holiday			19	SAT	Holiday		
					20	MON	IA Test 1	V	20	20	THU		V	40	20	SUN	Holiday			20	SUN			
					21	TUE	IA Test 1	I	21	21	FRI	IA Test 2	I	41	21	MON	IA Test 3	IV	64	21	MON	Univ. Theory Exam commences		
	I	1	22	WED	IA Test 1 National Mathematics Day	II	22	22	SAT	IA Test 2	II	42	22	TUE	IA Test 3	V	65	22	TUE	World water day		
	II	2	23	THU	IA Test 1	III	23	23	SUN	Holiday	III	43	23	WED	IA Test 3	I	66	23	WED			
	III	3	24	FRI	IA Test 1	IV	24	24	MON	IA Test 2 National Girl Child Day	IV	44	24	THU	IA Test 3	II	67	24	THU			
	IV	4	25	SAT	Christmas			25	TUE	IA Test 2 National Voter's day	V	45	25	FRI	IA Test 3	III	68	25	FRI			
			26	SUN	Holiday			26	WED	Republic day			26	SAT		IV	69	26	SAT	Holiday		
			27	MON		V	25	27	THU	IA Test 2	I	46	27	SUN	Holiday			27	SUN	Holiday		
Holiday			28	TUE		I	26	28	FRI		II	47	28	MON	Syllabus completion National Science day	V	70	28	MON			
	V	5	29	WED		II	27	29	SAT		III	48						29	TUE			
	I	6	30	THU	Feedback(A,B,C,D,E)	III	28	30	SUN	Martyrs day - Holiday								30	WED			
			31	FRI	Feedback(F,G,H,I,J)	IV	29	31	MON	National Unity Day	IV	49						31	THU			
		4					23					20					21							5
												Total No.of working days for the semester :					75						

Bhavani
R. Thilagam

Principal

Prof IT dept
Prof CSE Dept

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SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012
Department of Physics
WORKLOAD -ALLOCATION FOR THE ACADEMIC YEAR 2021-2022(ODD)

S.NO.	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY/LAB
1	Dr. P. SenthilKumar	ENGINEERING PHYSICS	PH 8151	I/I	THEORY (3)
		PHYSICS LABORATORY	BS 8161	I/I	LAB(3)
2	Mr. G. Ananthakrisnan	ENGINEERING PHYSICS	PH 8151	I/I	THEORY(2)
		PHYSICS LABORATORY	BS 8161	I/I	LAB(4)
3	Ms. P. Saravana Devi	ENGINEERING PHYSICS	PH 8151	I/I	THEORY(3)
		PHYSICS LABORATORY	BS 8161	I/I	LAB(3)
4	Mr. K. Karthikeyan	ENGINEERING PHYSICS	PH 8151	I/I	THEORY(2)
		PHYSICS LABORATORY	BS 8161	I/I	LAB(5)

Timetable Coordinator **HoD/Physics**

HOURS	TOTAL HOURS
15	24
9	
10	22
12	
15	24
9	
10	25
15	
Total	**95**

Principal

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ ECE 'A'

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	: P. Saravana D	Signature	:
Name	: P. Saravana Devi	Name	G. ANANTHAKRISHNAN
Designation	: Assistant Professor	Designation	:
Department	: Physics		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
- To learn how data can be collected, presented and interpreted in a clear and concise manner.
- To learn problem solving skills related to physics principles and interpretation of experimentaldata.
- To determine error in experimental measurements and techniques used to minimize sucherror.
- To make the student as an active participant in each part of all lab exercises.

1. Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia ofregular and irregular objects.
2. Simple harmonic oscillations of cantilever.
3. Non-uniform bending - Determination of Young's modulus
4. Uniform bending – Determination of Young's modulus
5. Laser- Determination of the wave length of the laser using grating
6. Air wedge - Determination of thickness of a thin sheet/wire
7. a) Optical fibre -Determination of Numerical Aperture and acceptance angle
   b) Compact disc- Determination of width of the groove using laser.
8. Acoustic grating- Determination of velocity of ultr sonic waves in liquids.
9. Ultrasonic interferometer – de erminat on of the v oci of sound and compressibility ofliquids
10. Post office box -Determination of Band gap of a semiconductor.
11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ AIDS

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

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I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	: P. Saravana	Signature	:
Name	: P. Saravana Devi	Name	: Dr. P. SENTHILKUMAR
Designation	: Assistant Professor	Designation	: A.P
Department	: Physics		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
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11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
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- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH3151 for I year, I semester, department of ECE 'A' B.E/~~B.Tech~~/~~MBA~~ during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 59 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last 01 years.

Signature : P. Saravana Dai

Name : P. Saravana Dai

Designation : Assistant Professor

Department : Physics

Date : 23/3/22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH3151 for I year, I semester, department of AIDS B.E/B.Tech/~~MBA~~ during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 52 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last 01 years.

Signature : P. Saravana Dai

Name : P. Saravana Dai

Designation : Assistant Professor

Department : Physics

Date : 23/3/22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23.3.22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ CSBS

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

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Signature	:		Signature	:	
Name	:	Dr. P. SENTHILKUMAR	Name	:	Mr. G. ANANTHA KRISHNA
Designation	:	A.P	Designation	:	A.P
Department	:	Physics			

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

ANNA UNIVERSITY REGULATIONS 2021

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

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11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23.3.22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engg. Physics , code PH3151 for I year, I semester, department of CSBS B.E/B.Tech/MBA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 54 periods, revised syllabus for 1 periods and discussed the Anna University Examination question papers of the last 1 years.

Signature : P. Senthil

Name : Dr. P. SENTHILKUMAR

Designation : A.P

Department : Physics

Date : 23.3.22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 24-03-22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/ EEEA

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH 3151 for I year, I semester, department of EEE B.E/B.Tech/MBA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 50 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 1 years.

Signature : K.Karthikeyan

Name : K. KARTHIKEYAN

Designation : AP

Department : Physics

Date : 24-03-22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 24-03-22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ EEEX

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: K. KARTHIKEYAN	Name	: P. Saravana Devi
Designation	: AP	Designation	: AP
Department	: PHYSICS		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

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10. Post office box -Determination of Band gap of a semiconductor.
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14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

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- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering physics, code PH3151 for I year, I semester, department of ICE B.E/B.Tech/MBA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 60 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last 01 years.

Signature :

Name : Col. ANANTHAKRISHNAN.

Designation : AP

Department : Physics

Date : 23/3/22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/2022

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ ICE

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: Gr. ANANTHAKRISHNAN	Name	: Dr. P. SENTHIL KUMAR
Designation	: Assistant Professor	Designation	: A.P
Department	: Physics		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
- To learn how data can be collected, presented and interpreted in a clear and concise manner.
- To learn problem solving skills related to physics principles and interpretation of experimentaldata.
- To determine error in experimental measurements and techniques used to minimize sucherror.
- To make the student as an active participant in each part of all lab exercises.

1. Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia ofregular and irregular objects.
2. Simple harmonic oscillations of cantilever.
3. Non-uniform bending - Determination of Young's modulus
4. Uniform bending – Determination of Young's modulus
5. Laser- Determination of the wave length of the laser using grating
6. Air wedge - Determination of thickness of a thin sheet/wire
7. a) Optical fibre -Determination of Numerical Aperture and acceptance angle
   b) Compact disc- Determination of width of the groove using laser.
8. Acoustic grating- Determination of velocity of ultr sonic waves in liquids.
9. Ultrasonic interferometer – de erminat on of the v oci of sound and compressibility ofliquids
10. Post office box -Determination of Band gap of a semiconductor.
11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23.3.22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH3151 for (2021-22) I year, I semester, department of IT B.E/B.Tech/MBA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 55 periods, revised syllabus for 1 periods and discussed the Anna University Examination question papers of the last 1 years.

Signature :

Name : Dr. P. SENTHILKUMAR

Designation : A.P

Department : Physics

Date : 23.3.22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23.3.22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ IT

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	P. Senthilkumar	Signature	:	
Name	:	Dr. P. SENTHILKUMAR	Name	:	Mr. G. ANANTHA KRISHNAN
Designation	:	A.P	Designation	:	A.P
Department	:	Physics			

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
- To learn how data can be collected, presented and interpreted in a clear and concise manner.
- To learn problem solving skills related to physics principles and interpretation of experimentaldata.
- To determine error in experimental measurements and techniques used to minimize sucherror.
- To make the student as an active participant in each part of all lab exercises.

1. Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia ofregular and irregular objects.
2. Simple harmonic oscillations of cantilever.
3. Non-uniform bending - Determination of Young's modulus
4. Uniform bending – Determination of Young's modulus
5. Laser- Determination of the wave length of the laser using grating
6. Air wedge - Determination of thickness of a thin sheet/wire
7. a) Optical fibre -Determination of Numerical Aperture and acceptance angle
   b) Compact disc- Determination of width of the groove using laser.
8. Acoustic grating- Determination of velocity of ultr sonic waves in liquids.
9. Ultrasonic interferometer – de erminat on of the v oci of sound and compressibility ofliquids
10. Post office box -Determination of Band gap of a semiconductor.
11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH3151 for I year, I semester, department of CIVIL B.E/B.Tech/MBA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 60 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last 01 years.

Signature :

Name : G. ANANTHAKRISHNAN.

Designation : AP

Department : Physics

Date : 23/3/22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/2022

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ CIVIL

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: G. ANANTHAKRISHNAN	Name	: Dr. P.S GANTHIA (SENIOR
Designation	: Assistant Professor	Designation	: A.P
Department	: Physics		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

ANNA UNIVERSITY REGULATIONS 2021

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
- To learn how data can be collected, presented and interpreted in a clear and concise manner.
- To learn problem solving skills related to physics principles and interpretation of experimentaldata.
- To determine error in experimental measurements and techniques used to minimize sucherror.
- To make the student as an active participant in each part of all lab exercises.

1. Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia ofregular and irregular objects.
2. Simple harmonic oscillations of cantilever.
3. Non-uniform bending - Determination of Young's modulus
4. Uniform bending – Determination of Young's modulus
5. Laser- Determination of the wave length of the laser using grating
6. Air wedge - Determination of thickness of a thin sheet/wire
7. a) Optical fibre -Determination of Numerical Aperture and acceptance angle
   b) Compact disc- Determination of width of the groove using laser.
8. Acoustic grating- Determination of velocity of ultr sonic waves in liquids.
9. Ultrasonic interferometer – de erminat on of the v oci of sound and compressibility ofliquids
10. Post office box -Determination of Band gap of a semiconductor.
11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH3151 for I year, I semester, department of ECE - B B.E/B.Tech/MBA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 54 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last 01 years.

Signature :

Name : G. ANANTHAKRISHNAN.

Designation : A.P.

Department : Physics

Date : 23/3/22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/2022

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ ECE - B

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	:
Name	: G. ANANTHAKRISHNAN	Name	: Dr. P. SENTHIL KUMAR
Designation	: Assistant	Designation	: A.P
Department	:		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
- To learn how data can be collected, presented and interpreted in a clear and concise manner.
- To learn problem solving skills related to physics principles and interpretation of experimentaldata.
- To determine error in experimental measurements and techniques used to minimize sucherror.
- To make the student as an active participant in each part of all lab exercises.

1. Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia ofregular and irregular objects.
2. Simple harmonic oscillations of cantilever.
3. Non-uniform bending - Determination of Young's modulus
4. Uniform bending – Determination of Young's modulus
5. Laser- Determination of the wave length of the laser using grating
6. Air wedge - Determination of thickness of a thin sheet/wire
7. a) Optical fibre -Determination of Numerical Aperture and acceptance angle
   b) Compact disc- Determination of width of the groove using laser.
8. Acoustic grating- Determination of velocity of ultr sonic waves in liquids.
9. Ultrasonic interferometer – de erminat on of the v oci of sound and compressibility ofliquids
10. Post office box -Determination of Band gap of a semiconductor.
11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH3151 for I year, I semester, department of MECH B.E/~~B.Tech/MBA~~ during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 60 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last 01 years.

Signature : P. Saravana Devi

Name : P. Saravana Devi

Designation : Assistant Professor

Department : Physics

Date : 23/3/22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23/3/22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ MECH

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	: P. Saravana D	Signature	:
Name	: P. Saravana Dai	Name	: G. ANANTHAKRISHNAN
Designation	: Assistant Professor	Designation	: A.P
Department	: Physics		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
- To learn how data can be collected, presented and interpreted in a clear and concise manner.
- To learn problem solving skills related to physics principles and interpretation of experimentaldata.
- To determine error in experimental measurements and techniques used to minimize sucherror.
- To make the student as an active participant in each part of all lab exercises.

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7. a) Optical fibre -Determination of Numerical Aperture and acceptance angle
   b) Compact disc- Determination of width of the groove using laser.
8. Acoustic grating- Determination of velocity of ultr sonic waves in liquids.
9. Ultrasonic interferometer – de erminat on of the v oci of sound and compressibility ofliquids
10. Post office box -Determination of Band gap of a semiconductor.
11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 24-03-22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/ CSEA

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH 3151 for I year, I semester, department of CSE A B.E/B.Tech/MBA during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 46 periods, revised syllabus for 3 periods and discussed the Anna University Examination question papers of the last 1 years.

Signature : K Karthikeyani

Name : K. KARTHIKEYANI

Designation : AP

Department : PHYSICS

Date : 24-03-22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 24-03-22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ CSEA

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:	Signature	: P. Saravanan
Name	: K. KARTHIKEYAN	Name	: P. Saravana Jai
Designation	: AP	Designation	: AP
Department	: PHYSICS		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

ANNA UNIVERSITY REGULATIONS 2021

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
- To learn how data can be collected, presented and interpreted in a clear and concise manner.
- To learn problem solving skills related to physics principles and interpretation of experimentaldata.
- To determine error in experimental measurements and techniques used to minimize sucherror.
- To make the student as an active participant in each part of all lab exercises.

1. Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia ofregular and irregular objects.
2. Simple harmonic oscillations of cantilever.
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5. Laser- Determination of the wave length of the laser using grating
6. Air wedge - Determination of thickness of a thin sheet/wire
7. a) Optical fibre -Determination of Numerical Aperture and acceptance angle
   b) Compact disc- Determination of width of the groove using laser.
8. Acoustic grating- Determination of velocity of ultr sonic waves in liquids.
9. Ultrasonic interferometer – de erminat on of the v oci of sound and compressibility ofliquids
10. Post office box -Determination of Band gap of a semiconductor.
11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23.3.22

Ref : SCE/Syllabus/ Theory/2021-2022 - Odd sem/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Engineering Physics , code PH3151 for (2021-22)I year, I semester, department of CSE - 'B' B.E/B.Tech/~~MBA~~ during the academic year 2021 – 2022, odd semester.

In this regard, I confirm , that I have taught all the topics mentioned in the syllabus, and took lectures for 54 periods, revised syllabus for 1 periods and discussed the Anna University Examination question papers of the last 1 years.

Signature : P. Senthilkumar

Name : Dr. P. SENTHILKUMAR

Designation : A.P

Department : Physics

Date : 23.3.22

Signature of HoD :

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23.3.22

Ref : SCE/Syllabus/Laboratory/2021-2022- Odd sem/ CSE - B

STATEMENT FOR LABORATORY EXPERIMENT COMPLETION

I hereby affirm that all the experiments listed in the next page, have been actually performed by the students as part of the prescribed course work by Anna University (mention details). In cases where the experiments could not be conducted, the same has been listed separately with reasons.

I confirm that the experiments were done by me in the beginning of this semester, and the readings were recorded.

I confirm that the students submitted the laboratory record of the experiments performed by them, and that I have also corrected them every week and awarded appropriate marks. I also confirm that the completed laboratory record was submitted by each student.

Signature	:		Signature	:
Name	:	Dr. P. SENTHILKUMAR	Name	: G. ANANTHAKRISHNAN
Designation	:	A.P	Designation	: A.P.
Department	:	Physics		

Signature of HoD :

Principal :

Note: List of the students who have not got bonafide, if any, to be enclosed.

PHYSICS AND CHEMISTRY LABORATORY

L	T	P	C
0	0	4	2

PHYSICS LABORATORY: (Any Seven Experiments)

COURSE OBJECTIVES:

- To learn the proper use of various kinds of physics laboratory equipment.
- To learn how data can be collected, presented and interpreted in a clear and concise manner.
- To learn problem solving skills related to physics principles and interpretation of experimentaldata.
- To determine error in experimental measurements and techniques used to minimize sucherror.
- To make the student as an active participant in each part of all lab exercises.

1. Torsional pendulum - Determination of rigidity modulus of wire and moment of inertia ofregular and irregular objects.
2. Simple harmonic oscillations of cantilever.
3. Non-uniform bending - Determination of Young's modulus
4. Uniform bending – Determination of Young's modulus
5. Laser- Determination of the wave length of the laser using grating
6. Air wedge - Determination of thickness of a thin sheet/wire
7. a) Optical fibre -Determination of Numerical Aperture and acceptance angle
   b) Compact disc- Determination of width of the groove using laser.
8. Acoustic grating- Determination of velocity of ultr sonic waves in liquids.
9. Ultrasonic interferometer – de erminat on of the v oci of sound and compressibility ofliquids
10. Post office box -Determination of Band gap of a semiconductor.
11. Photoelectric effect
12. Michelson Interferome ter.
13. Melde's string experiment
14. Experiment with lattice dynamics kit.

TOTAL: 30 PERIODS

COURSE OUTCOMES:

Upon completion of the course, the students should be able to

- Understand the functioning of various physics laboratory equipment.
- Use graphical models to analyze laboratory data.
- Use m thematical models as a medium for quantitative reasoning and describing physicalreality.
- Access, process and analyze scientific information.
- Solve problems individually and collaboratively.

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 15/7/2022

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Materials Science , code PH 3251 for I year, Even (2nd) semester, department of Mech. Engg. B.E/B.Tech/MBA during the academic year 2021-22 , Evensemester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 45 periods, revised syllabus for 02 periods and discussed the Anna University Examination question papers of the last — years.

Signature : R Mariappan

Name : Dr. R. MARIAPPAN

Designation : Assistant Professor and Head

Department : PHYSICS

Date : 15-07-2022

Signature of HoD : R Mariappan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 15/07/22

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Physics for Information Science, code PH3256 for I year, 2nd semester, department of AIDS B.E/B.Tech/MBA during the academic year 2021-22, Evensemester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 36 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last - years.

Signature : RMariappan

Name : Dr. R. MARIAPPAN

Designation : Assistant Professor and Head

Department : PHYSICS

Date : 15.07.2022

Signature of HoD : RMariappan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 14/7/2022

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Physics for Electronics Engineering, code PH3254 for I year, II semester, department of ECE ✓ B.E/B.Tech/MBA during the academic year 2021-22, Even semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 40 periods, revised syllabus for 1 periods and discussed the Anna University Examination question papers of the last ~~1~~ years.

Signature : P. Senthil

Name : Dr. P. SENTHILKUMAR

Designation : A.P

Department : PHYSICS

Date : 14-7-22

Signature of HoD : R Muthappan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 14/7/22

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject PHYSICS FOR ELECTRONICS ENGG. , code PH3254 for I year, II semester, department of ECE B.E/B.Tech/MBA during the academic year 2021-22, EVEN semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 40 periods, revised syllabus for 1 periods and discussed the Anna University Examination question papers of the last — years.

Signature : P. Senthilkumar

Name : Dr. P. SENTHILKUMAR

Designation : A.P

Department : Physics

Date : 14-7-22

Signature of HoD : R Murugan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 14/7/22

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Physics for Instrumentation Engineering, code PH3255 for I year, II semester, department of ICE B.E/B.Tech/MBA during the academic year 2021-22, EVEN semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 39 periods, revised syllabus for 1 periods and discussed the Anna University Examination question papers of the last — years.

Signature : P. Senthil 14/7/22

Name : Dr. P. SENTHILKUMAR

Designation : A.P

Department : Physics

Date : 14-7-22

Signature of HoD : R Mariappan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 14/07/2022

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Physics for Civil Engg., code PH3201 for I year, Even (II) semester, department of Physics B.E/B.Tech/MBA during the academic year 2021-2022 even semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 48 periods, revised syllabus for 2 periods and discussed the Anna University Examination question papers of the last – years.

Signature :

Name : G. ANANTHA KRISHNAN

Designation : ASSISTANT PROFESSOR.

Department : PHYSICS

Date : 14/07/2022

Signature of HoD : RMaiyappan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Ref : SCE/Syllabus/ Theory/

Date: 15/7/22

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Physics for Information Science, code PH3256 for I year, II semester, department of CSE B B.E/B.Tech/MBA during the academic year 2021-2022, semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 35 periods, revised syllabus for 2 periods and discussed the Anna University Examination question papers of the last — years.

Signature : K. Karthikeyan

Name : K. KARTHIKEYAN

Designation : AP

Department : Physics

Date : 15-07-2022

Signature of HoD : R. Maiyappan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 15/7/22

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Physics for Information Science code PH3256 for I year, II semester, department of PSBS B.E/B.Tech/MBA during the academic year 2021-2022, 2 semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 36 periods, revised syllabus for 02 periods and discussed the Anna University Examination question papers of the last — years.

Signature : K. Karthikeyan

Name : K. KARTHIKEYAN

Designation : AP

Department : Physics

Date : 15/07/22

Signature of HoD : R Maria 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 14/7/22

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Physics for Information Science, code PH3256 for I year, II semester, department of IT B.E/B.Tech/~~MBA~~ during the academic year 2021-22, Even semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 43 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last — years.

Signature : P. Saravanan 14/7/22

Name : P. Saravana Dai

Designation : Assistant Professor

Department : Physics

Date : 14/7/22

Signature of HoD : R Muniappan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 14/7/22

Ref : SCE/Syllabus/ Theory/

STATEMENT FOR SYLLABUS COMPLETION

I have handled the subject Physics for Electrical Engineering, code PH3202 for I year, II semester, department of EEE B.E/B.~~Tech~~/~~MBA~~ during the academic year 2021-22, Even semester.

In this regard, I confirm, that I have taught all the topics mentioned in the syllabus, and took lectures for 44 periods, revised syllabus for 01 periods and discussed the Anna University Examination question papers of the last — years.

Signature : P. Saravana Dei 14/7/22

Name : P. Saravana Dei

Designation : Assistant Professor

Department : Physics

Date : 14/7/22

Signature of HoD : R Muniappan 15/7/22

Principal :

SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012
Department of Physics
WORKLOAD -ALLOCATION FOR ACADEMIC YEAR 2021 -2022(EVEN)

S.NO	NAME	SUBJECT	SUBJECT CODE	YEAR / SEM	THEORY / LAB	HOURS	TOTAL HOURS
1	Dr. R.MARIAPPAN	Materials Science	PH 3251	I MECH / II	THEORY	4	7
		Physics for Information Science	PH 3256	I AI&DS/ II	THEORY	3	
2	G.ANANTHAKRISHNAN	Physics for Civil Engineering	PH 3201	I CIVIL /II	THEORY	4	7
		Physics for Information Science	PH 3256	I CSE A/II	THEORY	3	
3	Dr.P.SENTHILKUMAR	Physics forElectronics Engineering	PH3254	I ECE A /II	THEORY	3	9
		Physics forElectronics Engineering	PH3254	I ECE B /II	THEORY	3	
		Physics for Instrumentaion Engineering	PH3252	I /ICE II	THEORY	3	
4	Dr. K.KARTHIKEYAN	Physics for Information Science	PH 3256	I CSE B II	THEORY	3	6
		Physics for Information Science	PH 3256	I CSBS /II	THEORY	3	
5	Mrs.P.SARAVANADEVI	Physics forElectrical Engineering	PH 3202	I EEE A/ II	THEORY	3	6
		Physics for Information Science	PH 3256	I IT /II	THEORY	3	
						Total	35

R Mariappan

HoD, /Physics

Principal

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22EVEN** Semester : **2** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **PH3201** NBA Code : **C110** Title **PHYSICS FOR CIVIL ENGINEERING**
Faculty: Mr.G.Anantha Krishnan

Cos	CO Description	Attained Level	%
C110.1	Students will have knowledge heat transfer through materials and the thermal performance of buildings	2.52	84.00
C110.2	Students will acquire knowledge about the ventilation of buildings and different types of AC systems	2.48	82.67
C110.3	Students will get knowledge about the acoustics of buildings and various lighting designs for buildings	2.56	85.33
C110.4	Students will gain knowledge on the properties and performance of new engineering materials	2.52	84.00
C110.5	Students will understand the hazards of buildings.and the concept of Seismology , Seismic waves and Earth quake ground motion	2.26	75.33
C110.6	Students Acquire knowledge on Fire hazards and fire protection, fire-proofing of materials, fire safety regulations and fire fighting equipment	2.44	81.33

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 27

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
247001	PH3201	2	3	2	2	3	2	24/08/2022	CIVIL	2
247002	PH3201	3	3	2	3	2	3	24/08/2022	CIVIL	2
247003	PH3201	3	3	3	3	2	2	24/08/2022	CIVIL	2
247004	PH3201	2	3	2	3	2	2	24/08/2022	CIVIL	2
247005	PH3201	3	2	3	2	3	2	24/08/2022	CIVIL	2
247006	PH3201	2	2	3	2	3	2	24/08/2022	CIVIL	2
247007	PH3201	3	3	3	3	2	3	24/08/2022	CIVIL	2
247008	PH3201	2	3	2	3	3	2	24/08/2022	CIVIL	2
247009	PH3201	3	3	2	3	3	3	24/08/2022	CIVIL	2
247010	PH3201	2	2	3	3	2	3	24/08/2022	CIVIL	2
247011	PH3201	3	2	3	2	2	3	24/08/2022	CIVIL	2
247012	PH3201	2	2	3	3	3	2	24/08/2022	CIVIL	2
247013	PH3201	3	2	2	2	2	3	24/08/2022	CIVIL	2
247014	PH3201	2	3	2	2	2	3	24/08/2022	CIVIL	2
247015	PH3201	2	2	3	3	2	2	24/08/2022	CIVIL	2
247016	PH3201	3	2	3	3	3	2	24/08/2022	CIVIL	2
247017	PH3201	2	2	3	3	2	2	24/08/2022	CIVIL	2
247018	PH3201	2	3	3	3	2	2	24/08/2022	CIVIL	2
247019	PH3201	2	2	3	2	2	3	24/08/2022	CIVIL	2

247020	PH3201	3	3	2	2	2	2	24/08/2022	CIVIL	2
247021	PH3201	3	3	3	2	2	2	24/08/2022	CIVIL	2
247022	PH3201	2	2	2	2	2	3	24/08/2022	CIVIL	2
247023	PH3201	3	3	2	2	2	2	24/08/2022	CIVIL	2
247024	PH3201	2	2	2	2	2	2	24/08/2022	CIVIL	2
247025	PH3201	3	2	3	3	2	3	24/08/2022	CIVIL	2
247026	PH3201	3	2	3	3	2	3	24/08/2022	CIVIL	2
247027	PH3201	3	3	2	2	2	3	24/08/2022	CIVIL	2
Attained Level		2.52	2.48	2.56	2.52	2.26	2.44			
%		84.00	82.67	85.33	84.00	75.33	81.33			

Saranathan College of Engineering
Tiruchirappalli-12
Course End Survey - Consolidated Report

Academic Year : **2021-22ODD** Semester : **1** Programme: **B.E/B.Tech (CIVIL)**
Subject Code : **PH3151** NBA Code : **C103** Title **ENGINEERING PHYSICS**
Faculty: Mr.G.Anantha Krishnan

Cos	CO Description	Attained Level	%
C103.1	Understand the importance of mechanics	2.59	86.33
C103.2	Express their knowledge in electromagnetic waves	2.44	81.33
C103.3	Demonstrate a strong foundational knowledge in optics and lasers	2.56	85.33
C103.4	Understand the importance of quantum physics.	2.48	82.67
C103.5	Comprehend and apply quantum mechanical principles towards the formation of energy bands	2.56	85.33
C103.6	Demonstrate a strong foundational knowledge in oscillations.	2.63	87.67

Course Exit Survey - Data Entry Details
No.of Students Participated in the survey: 27

Batchno	subcode	CO1	CO2	CO3	CO4	CO5	CO6	Date of Survey	Branch	Semester
247001	PH3151	3	3	3	3	3	2	30/03/2022	CIVIL	1
247002	PH3151	2	2	2	2	2	3	30/03/2022	CIVIL	1
247003	PH3151	2	2	2	3	2	2	30/03/2022	CIVIL	1
247004	PH3151	2	2	3	3	2	3	30/03/2022	CIVIL	1
247005	PH3151	3	2	2	2	3	3	30/03/2022	CIVIL	1
247006	PH3151	3	2	3	3	2	3	30/03/2022	CIVIL	1
247007	PH3151	3	3	3	2	2	3	30/03/2022	CIVIL	1
247008	PH3151	2	2	2	3	2	2	30/03/2022	CIVIL	1
247009	PH3151	2	2	2	3	3	2	30/03/2022	CIVIL	1
247010	PH3151	2	3	3	3	2	2	30/03/2022	CIVIL	1
247011	PH3151	2	3	3	2	2	3	30/03/2022	CIVIL	1
247012	PH3151	3	2	3	2	3	3	30/03/2022	CIVIL	1
247013	PH3151	2	3	2	2	3	3	30/03/2022	CIVIL	1
247014	PH3151	3	3	3	3	3	2	30/03/2022	CIVIL	1
247015	PH3151	2	3	2	2	3	3	30/03/2022	CIVIL	1
247016	PH3151	2	2	3	3	3	3	30/03/2022	CIVIL	1
247017	PH3151	3	2	3	3	3	3	30/03/2022	CIVIL	1
247018	PH3151	3	2	2	3	2	3	30/03/2022	CIVIL	1
247019	PH3151	3	3	3	2	2	2	30/03/2022	CIVIL	1
247020	PH3151	3	3	2	3	3	2	30/03/2022	CIVIL	1
247021	PH3151	3	2	2	2	2	3	30/03/2022	CIVIL	1
247022	PH3151	3	2	3	3	3	3	30/03/2022	CIVIL	1
247023	PH3151	2	2	2	2	2	3	30/03/2022	CIVIL	1

247024	PH3151	3	3	3	2	3	2	30/03/2022	CIVIL	1
247025	PH3151	3	3	2	2	3	3	30/03/2022	CIVIL	1
247026	PH3151	3	3	3	2	3	3	30/03/2022	CIVIL	1
247027	PH3151	3	2	3	2	3	2	30/03/2022	CIVIL	1
Attained Level		2.59	2.44	2.56	2.48	2.56	2.63			
%		86.33	81.33	85.33	82.67	85.33	87.67			

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.

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Academic Auditing

Feedback process of the Institution

2021 - 2022

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Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CIVIL Month&Year: 1ST FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	kesavaraja-ce	CIVIL-A/3	21	CE8301/Strength Of Materials I	14.14	13.71	7.09	10.97	10.74	10.97	3.62	5.71	7.39	7.47	91.82
2	anandraj-ce	CIVIL-A/3	21	CE8302/Fluid Mechanics	14.29	14.14	7.62	11.43	10.97	11.09	3.77	5.83	7.54	7.70	94.37
3	kannan-ce	CIVIL-A/3	21	CE8351/Surveying	14.43	14.57	7.09	10.86	11.20	11.54	3.70	5.66	7.77	7.47	94.28
4	venkatesan-ce	CIVIL-A/3	21	CE8391/Construction Materials	13.71	13.86	7.09	10.86	10.97	10.97	3.62	5.54	7.39	7.31	91.32
5	kesavaraja-ce	CIVIL-A/3	21	CE8392/Engineering Geology	14.00	14.00	7.62	11.09	11.09	10.74	3.66	5.71	7.62	7.47	92.99
6	venkatesan-ce	CIVIL-A/5	28	CE8501/Design Of Reinforced Cement Concrete Elements	12.43	11.79	6.69	9.60	9.09	9.09	3.11	4.93	6.23	6.51	79.46
7	vaishali-ce	CIVIL-A/5	24	CE8502/Structural Analysis I	11.75	12.00	6.00	9.00	9.00	9.50	3.10	4.75	6.33	6.33	77.77
8	kannan-ce	CIVIL-A/5	25	CE8591/Foundation Engineering	12.36	12.24	6.46	9.98	9.70	9.70	3.20	4.75	6.34	6.59	81.32
9	sathyaprabha-ce	CIVIL-A/5	23	EN8491/Water Supply Engineering	11.87	12.00	6.54	9.70	9.60	9.18	3.27	4.85	6.33	6.47	79.82
10	belin-ce	CIVIL-A/5	22	GE8071/Disaster Management	12.55	12.41	6.84	10.47	10.36	10.47	3.42	5.18	6.84	6.84	85.37
11	sathyaprabha-ce	CIVIL-A/5	20	OAI551/Environment And Agriculture	11.40	11.10	6.24	9.36	8.76	9.24	3.08	4.50	6.00	6.08	75.76
12	belin-ce	CIVIL-A/7	51	CE8701/Estimation, Costing And	12.71	12.12	6.56	9.69	9.65	9.98	3.31	4.92	6.31	6.87	82.10

				Valuation Engineering											
13	kesavaraja-ce	CIVIL-A/7	47	CE8702/Railways Airports And Harbour Engineering	12.26	12.00	6.40	9.45	9.50	9.40	3.10	4.75	6.26	6.37	79.47
14	vaishali-ce	CIVIL-A/7	52	CE8703/Structural Design Drawing	12.75	12.17	6.37	9.55	9.65	9.60	3.28	4.96	6.62	6.68	81.62
15	sathyaprabha-ce	CIVIL-A/7	49	EN8591/Municipal Solid Waste Management	12.61	12.37	6.43	10.04	9.65	9.60	3.30	4.90	6.53	6.47	81.89
16	anandraj-ce	CIVIL-A/7	48	OME754/Industrial Safety	12.62	12.69	6.83	10.20	10.35	10.20	3.47	5.12	6.83	6.77	85.09

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CIVIL Month&Year: 2ND FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	kesavaraja-ce	CIVIL-A/3	22	CE8301/Strength Of Materials I	14.73	14.59	7.05	11.13	10.91	10.69	3.60	5.56	7.35	7.42	93.03
2	anandraj-ce	CIVIL-A/3	20	CE8302/Fluid Mechanics	14.70	14.85	7.52	11.28	11.40	11.28	3.76	5.64	7.52	7.60	95.55
3	kannan-ce	CIVIL-A/3	22	CE8351/Surveying	14.86	14.86	7.27	11.13	10.80	11.24	3.78	5.62	7.49	7.49	94.55
4	venkatesan-ce	CIVIL-A/3	22	CE8391/Construction Materials	14.73	14.86	7.49	11.24	11.02	10.69	3.75	5.56	7.35	7.42	94.10
5	kesavaraja-ce	CIVIL-A/3	23	CE8392/Engineering Geology	14.74	14.87	7.37	10.96	11.17	11.06	3.76	5.63	7.44	7.37	94.37
6	venkatesan-ce	CIVIL-A/5	21	CE8501/Design Of Reinforced Cement Concrete Elements	14.00	13.86	6.17	9.26	8.91	8.80	3.16	4.80	6.02	5.87	80.85
7	vaishali-ce	CIVIL-A/5	17	CE8502/Structural Analysis I	13.94	13.59	6.31	9.46	9.46	9.88	3.06	4.80	6.40	6.02	82.92
8	kannan-ce	CIVIL-A/5	17	CE8591/Foundation Engineering	14.29	14.12	6.68	10.02	9.88	10.02	3.34	5.08	6.78	6.59	86.81
9	sathyaprabha-ce	CIVIL-A/5	17	EN8491/Water Supply Engineering	13.76	13.59	6.21	9.60	9.74	9.32	3.20	4.73	6.31	6.59	83.05
10	belin-ce	CIVIL-A/5	15	GE8071/Disaster Management	14.20	14.20	6.61	10.24	10.08	9.92	3.25	4.88	6.51	6.40	86.29
11	sathyaprabha-ce	CIVIL-A/5	15	OAI551/Environment And Agriculture	14.40	14.60	6.61	10.40	10.24	9.92	3.36	5.04	6.83	6.61	88.01
12	belin-ce	CIVIL-A/7	36	CE8701/Estimation, Costing And	14.17	14.17	6.58	9.67	9.87	9.80	3.24	4.93	6.58	6.53	85.53

				Valuation Engineering											
13	kesavaraja-ce	CIVIL-A/7	38	CE8702/Railways Airports And Harbour Engineering	14.05	14.05	6.27	9.66	9.54	9.73	3.20	4.77	6.48	6.27	84.03
14	vaishali-ce	CIVIL-A/7	38	CE8703/Structural Design Drawing	14.13	14.21	6.57	9.98	9.60	9.92	3.35	4.93	6.61	6.69	85.98
15	sathyaprabha-ce	CIVIL-A/7	34	EN8591/Municipal Solid Waste Management	14.29	14.29	6.45	9.67	9.67	9.81	3.29	4.84	6.64	6.59	85.54
16	anandraj-ce	CIVIL-A/7	36	OME754/Industrial Safety	14.42	14.50	6.89	10.33	10.40	10.27	3.44	5.20	6.89	6.71	89.05

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CIVIL Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	kannan-ce	CIVIL-A/4	19	CE8401/Construction Techniques And Practices	14.05	14.37	7.66	11.49	11.24	11.49	3.71	5.62	7.33	7.58	94.55
2	kesavaraja-ce	CIVIL-A/4	18	CE8402/Strength Of Materials Ii	13.17	12.00	7.02	9.07	9.87	10.80	3.16	5.47	7.29	6.58	84.41
3	anandraj-ce	CIVIL-A/4	16	CE8403/Applied Hydraulic Engineering	14.62	14.25	7.50	11.40	11.25	11.40	3.65	5.55	7.70	7.50	94.82
4	sathyaprabha-ce	CIVIL-A/4	18	CE8404/Concrete Technology	14.17	14.00	7.20	11.33	11.33	11.20	3.64	5.40	7.38	7.56	93.21
5	venkatesan-ce	CIVIL-A/4	18	CE8491/Soil Mechanics	13.83	13.50	6.49	9.60	10.13	10.27	3.33	5.40	7.02	7.11	86.69
6	kesavaraja-ce	CIVIL-A/6	32	CE8005/Air Pollution And Control Engineering	8.72	8.72	4.50	6.38	6.75	6.68	2.17	3.75	5.05	4.45	57.16
7	belin-ce	CIVIL-A/6	31	CE8601/Design Of Steelstructural Elements	13.06	13.06	6.86	10.37	10.22	10.37	3.43	5.26	6.97	6.92	86.54
8	sathyaprabha-ce	CIVIL-A/6	31	CE8602/Structural Analysis Ii	10.35	10.45	5.32	7.97	8.52	8.21	2.76	4.18	5.68	5.88	69.32
9	venkatesan-ce	CIVIL-A/6	31	CE8603/Irrigation Engineering	10.45	10.26	5.68	8.21	8.13	8.21	2.66	4.18	5.52	5.52	68.81
10	anandraj-ce	CIVIL-A/6	31	CE8604/Highway Engineering	11.90	12.00	6.19	9.29	9.52	9.60	3.12	4.65	6.35	6.50	79.13
11	kannan-ce	CIVIL-A/6	32	EN8592/Wastewater Engineering	12.66	12.38	6.35	9.68	9.68	9.60	3.25	4.69	6.40	6.35	81.02
12	anandraj-ce	CIVIL-	14	CE8020/Maintenance,	12.00	11.79	6.40	9.60	9.77	9.60	3.14	4.80	6.40	6.51	80.01

	A/8		Repair And Rehabilitation Of Structures	

Action taken report

Academic year / Semester: 2021-2022 / ODD semester

The student's feedback about the subject handling staff during this semester is attached above. Based on the above, the following faculty members (below 60%) were called for a meeting with the Principal in Google meet platform

S.No.	Staff Code	Branch / Sem	No. Of Student	Subject Code/Name	Total (Out of 100)
1	Kesavaraja-ce	CIVIL-A/5	38	CE8005/Air Pollution and Control Engineering	57.16

The teacher was communicated about his feedback and was advised to take more efforts to improve his performance by the Principal. The Principal and senior faculty members suggested some ideas to improve his performance in the upcoming semesters

HOD / Civil

Principal

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

III YEAR CIVIL
Mentor-Mentee Meeting

03.08.2021

Mentor-Mentee Meeting for III year CIVIL will be held on 06.08.2021 between 12.45 pm and 1.05 pm in Google meet. The Following Mentees are requested to attend the meeting.

S.No	Batch No	Name
1	227001	ABISHEK. V
2	227024	NAGARJUNA. N.R
3	227025	PARKAVI. P
4	227026	PAVITHIRA. M
5	227018	KAUSICA. V

HoD **MENTOR**

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

III YEAR CIVIL
Mentor-Mentee Meeting

16.12.2021

Mentor-Mentee Meeting for IV year CIVIL will be held on 21.12.2021 between 12.45 pm and 1.05 pm in Google meet. The Following Mentees are requested to attend the meeting.

S.No	Batch No	Name
1	227009	GANESH PATHI . R
2	227010	GOKUL NATH. P
3	227013	JAYASHREE. S
4	227014	JEGAN SHIVA . K
5	227034	SRIRAGHUL. R
6	227035	SRIRAM. B

HoD **MENTOR**

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CIVIL ENGINEERING

CIRCULAR

III YEAR CIVIL
Mentor-Mentee Meeting

04.04.2022

Mentor-Mentee Meeting for IV year CIVIL will be held on 06.04.2022 between 12.45 pm and 1.05 pm in Google meet. The Following Mentees are requested to attend the meeting.

S.No	Batch No	Name
1	227020	MADHAVAN. M N
2	227021	MADHESH. S
3	227022	MOHAMED AMEEN. S
4	227002	AJAY PRABHU. R
5	227003	ANTONY CLINTON. S
6	227023	MOHAMMED SULAIMON. A K
7	227024	NAGARJUNA. N.R

HoD **MENTOR**

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CIVIL ENGINEERING
III YEAR CIVIL

Minutes of mentor meeting with adopted students

Name of the Mentor: Mr.S.Kannan, Assistant Professor, Civil

The meeting was conducted on 06.08.2021 in Google meet during Lunch break.
The following points were discussed in the meeting:

1. Instructions on Dress Code (Formal Dress, ID), Class Discipline and Mobile Phones were discussed and students were insisted to follow the rules.
2. Internal Assessment Test-1 portion completion status, understanding of the subjects and recommended text books were discussed. It was found that all the Faculty members were completed their portion as per the planner.
3. Students were motivated to participate in Extra and Co-Curricular activities to improve their personality.
4. Inauguration of Civil Engineering Students Association schedule and other details were discussed.
5. All the students were instructed to maintain their Class Notes regularly which will be useful during exam time.

HoD **MENTOR**

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CIVIL ENGINEERING
III YEAR CIVIL

Minutes of mentor meeting with adopted students

Name of the Mentor: Mr.S.Kannan, Assistant Professor, Civil

The meeting was conducted on 21.12.2021 in Google meet during Lunch break.
The following points were discussed in the meeting:

1. Students requested to arrange more Industrial Visits.
2. All the students were instructed to write Class Notes then and there which will be useful during exam time.
3. Faculty members motivated the students to involve in Extra and Co-curricular activities.
4. Students were insisted to undergo In-Plant Training during even semester holidays.
5. Class Coordinator instructed the students not to avail leave without any genuine reasons.
6. Students requested to provide important questions for all the subjects before the Internal exams.

S.No	Batch No	Register Number
1	227009	GANESH PATHI . R
2	227010	GOKUL NATH. P
3	227013	JAYASHREE. S
4	227014	JEGAN SHIVA . K
5	227034	SRIRAGHUL. R
6	227035	SRIRAM. B

HoD **MENTOR**

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF CIVIL ENGINEERING
IV YEAR CIVIL

Minutes of mentor meeting with adopted students

Name of the Mentor: Ms. S.Kannan, Assistant Professor, Civil

The meeting was conducted on 06.04.2022 in Google meet during Lunch break.
The following points were discussed in the meeting:

1. Students requested to arrange Guest Lectures from Industry Experts periodically to gain more practical knowledge.
2. All the students were instructed to write Class Notes then and there which will be useful during exam time.
3. Students requested more tutorial hours for analytical subjects.
4. Faculty members motivated the students to involve in Extra and Co-curricular activities.
5. Students were instructed to strictly not use the mobile phones in the college premises.
6. Students requested for revision classes before each IA Tests.
7. Students requested to give more time for Project works.

S.No	Batch No	Register Number	Name
1	227020	MADHAVAN. M N	227020
2	227021	MADHESH. S	227021
3	227022	MOHAMED AMEEN. S	227022
4	227002	AJAY PRABHU. R	227002
5	227003	ANTONY CLINTON. S	227003
6	227023	MOHAMMED SULAIMON. A K	227023

HoD **MENTOR**

Department of Civil Engineering
SARANATHAN COLLEGE OF ENGINEERING
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012

SCE/CE/CCM/Cir-2021/ `Date: 20/08/2021

ACTION TAKEN BY FOR THE MINUTES OF CCM - III year Civil

HoD discussed with the Class Coordinators about the minutes of the CCM. The following actions were taken.

- NPTEL Video Lectures were shown to students through online.
- Based on University Exam Results, Slow learners were identified and motivated to practice more problems in tough subjects.
- Various lecture videos by experts were shown to students through google class room which will enrich the students knowledge apart from class room listening.

HoD/Civil **Principal**

SCE/CE/CCM/Cir-2022/ `Date: 03/01/2022

ACTION TAKEN BY FOR THE MINUTES OF CCM - IV year Civil

- HoD discussed the minutes of CCM with the Faculties and Students in google meet platform.
- Dress Code should be followed strictly. Insisted students to attend all classes and should prepare well for IA. Industrial visit request cannot be considered in this semester due to pandemic. Students were insisted to be ready for offline mode exam.
- Motivated the students in participating in various webinar and workshop conducted in online mode

HoD/Civil **Principal**

SARANATHAN COLLEGE OF ENGINEERING
Department of Civil Engineering
Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012

SCE/CE/CCM/Cir-2022/ `Date: 11/04/2022

ACTION TAKEN BY FOR THE MINUTES OF CCM - III year Civil

HoD discussed with the Class Coordinators about the minutes of the CCM. The following actions were taken.

- NPTEL Video Lectures were shown to students through online.
- Based on IA test Results, Slow learners were identified and motivated to practice more problems in tough subjects. Problematic subject staff are insisted to make students to practice more problems during class hours .
- Various lecture videos by experts were shown to students through google class room which will enrich the students knowledge apart from class room listening.

HoD/Civil **Principal**

31/12/2021

Ref No.SCE/CIVIL/2021-2022/ODD SEM/PAC Meeting Minutes – reg.

Procedure for Calculation of Attainment of POs and PSOs:

1. CO-Attainment University Calculation:

It is calculated based on the target assigned for respective subject. For Example if Target is 60, then total grades above 60% is added.

2. CO Target value is obtained by multiplying Taget CO and total CO and divided by 100.

3. No. of students scored above CO's target value is taken as CO-Attainment Internal.

CO-PO Attainment for subject Maintenance, Repair and Rehabilitation of Structures

Expected CO - PO/PSO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PS02	PS03
C409.1	3	3	3	2		2	2			2			3	3	2
C409.2	3	3	3	2		2	2			2			3	2	2
C409.3	3	3	3	2		2	2			2			3	3	2
C409.4	3	3	3	2		2	2			2			3	3	2
C409.5	3	3	3	2		2	2			2			3	3	2
C409.6	3	3	3	2		2	2			2			3	3	2
C409	3.00	3.00	3.00	2.00		2.00	2.00			2.00			3.00	2.83	2.00

CO - PO/PSO Attained Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PS02	PS03
C409.1	1.00	1.00	1.00	0.67		0.67	0.67			0.67			1.00	1.00	0.67
C409.2	1.00	1.00	1.00	0.67		0.67	0.67			0.67			1.00	0.67	0.67
C409.3	1.00	1.00	1.00	0.67		0.67	0.67			0.67			1.00	1.00	0.67
C409.4	1.00	1.00	1.00	0.67		0.67	0.67			0.67			1.00	1.00	0.67
C409.5	1.00	1.00	1.00	0.67		0.67	0.67			0.67			1.00	1.00	0.67
C409.6	1.00	1.00	1.00	0.67		0.67	0.67			0.67			1.00	1.00	0.67
C409	1.00	1.00	1.00	0.67		0.67	0.67			0.67			1.00	0.94	0.67

	CO-Attainment Internal (CO-INT) (Avg. Attainment of All section) (%)	CO-Attainment University (CO-UNI) (Avg. Attainment of All section) (%)	Direct CO Attainment (0.40xCO-INT + 0.60xCO-UNI) (%)	Indirect CO Attainment (Course End Survey)	Over all CO Attainment (0.8xDirect + 0.2xIndirect) (%)	Over all CO Attainment Level
C409.1	85.71	0.00	34.29	0.00	27.43	1
C409.2	82.14	0.00	32.86	0.00	26.29	1
C409.3	0.00	0.00	0.00	0.00	0.00	1
C409.4	39.29	0.00	15.71	0.00	12.57	1
C409.5	46.43	0.00	18.57	0.00	14.86	1
C409.6	25.00	0.00	10.00	0.00	8.00	1



Signature of the Faculty



Signature of the HoD

15/07/2019

Ref. No.: SCE/CIVIL/2019-2020/ODD SEM/PAC Meeting Minutes – reg.

LIST OF PAC MEMBERS

S. No.	Stake Holder	Name & Designation	Signature
1	Head of the Institution	Dr. D. Valavan, Principal	
2	Head of the Department	Dr. A.Belin Jude,	
3	Expert from Industry	**Er. V. ILANCHEZHIAN, M.E., P.E., F.I.V., M.I.Struc.,C. Engg.(I), M.I.E.** M.Sc., (Real Estate & Valuation) I.B.B.I. (Insolvency and Bankruptcy Board of India) V.I. CONSTRUCTIONS Senior Professional Engineer Chartered Structural Engineer, Registered Valuer Class – I- A Engineer, Panel Valuer I.O.B., P.N.B., Canara Bank ,Indian Bank, Bank of Maharastra, Syndicate Bank. J.V.R. Apartments, Big Sowrastra Street, Woraiyur, Trichy – 3.	
4	Expert from Academician	Dr. S.T. Ramesh, Professor, National Institute of Technology, Tiruchirappalli-620015.	
5	Parent	Mr.R. Selvaraj, F(O) S.M. Ajith Kumar No.105, DRK Complex Madurai Main Road Crawford Trichy-12.	For RS EARTH MOVERS PROPRIETOR

Report of a Guest Lecture on the topic

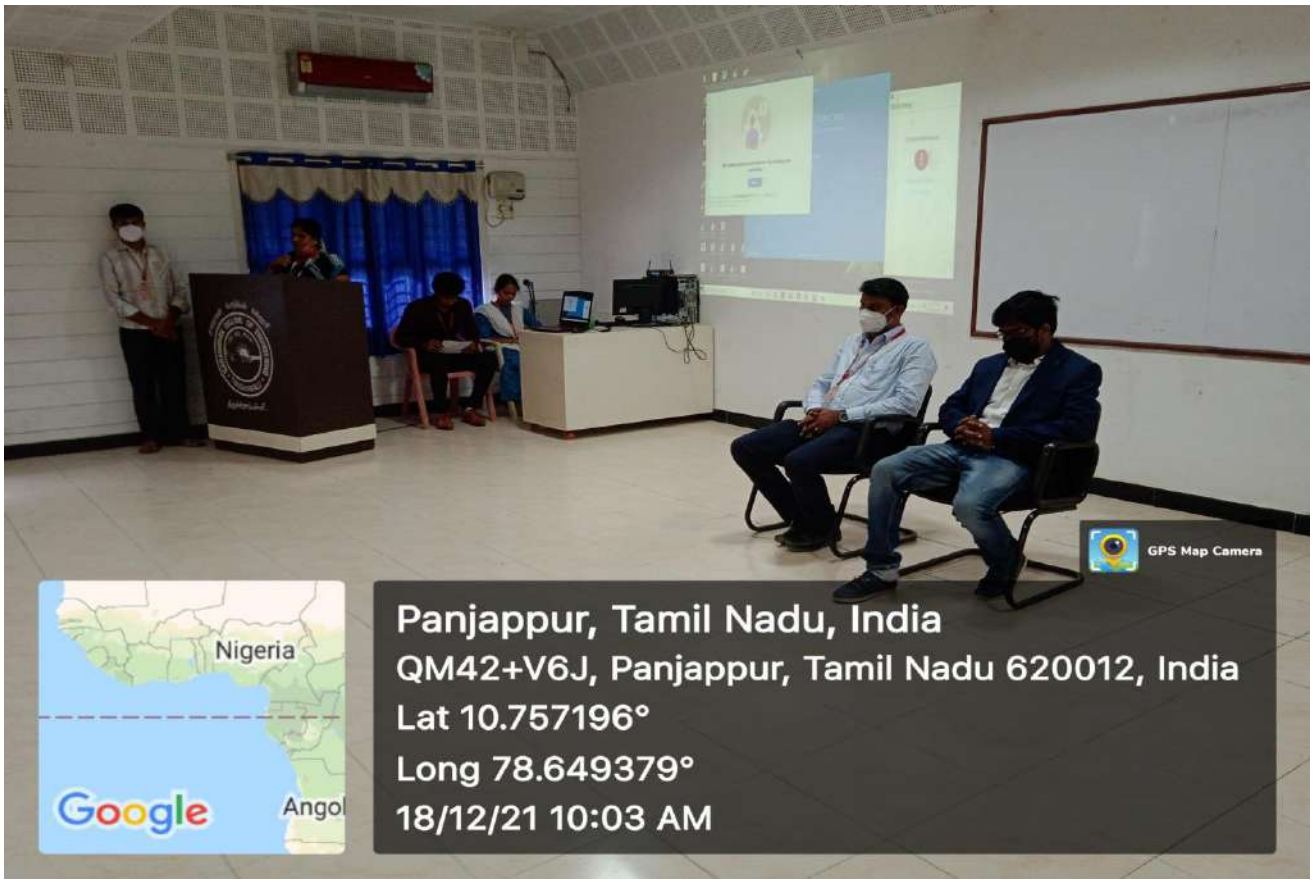
"Design Concept of Renovation in Existing Commercial Building using Steel Strengthening"
[18-12-2021]

A Guest Lecture was organized by the Department of Civil Engineering, Saranathan College of Engineering on the topic **"Design Concept of Renovation in Existing Commercial Building using Steel Strengthening".** The session was started at 10.00 p.m. on 18th December 2021 in Civil Seminar Hall (JS 105). Around 56 members participated in the session. The programme started with welcome address by Prof. K. Sathya Prabha Assistant Professor, Department of Civil Engineering followed by the felicitation address by the Head of the Civil Department Dr. A. Belin Jude. Introduction of chief guest was given by Ms. S. Charulatha and B. Abishek, final year students . Then the session was handled by the guest:

Er. Mohammed Meeran M.E. (Structures) & M.B.A. (Project Management),
Independent Structural Consultant,
Renovation of commercial building,
Qatar.

The guest shared in his presentation, the experience he gained in Renovation work of a multi storey commercial building carried out at Qatar and explained the erection process of steel jacket plates & reinforcement for strengthening the existing R.C.C. elements. Also he elucidated the process of testing, Analysis and providing bolt and welded connections for connection of existing RCC elements with steel plates. He also explained about topics which includes Beam-column

connections, Robot Structural Analysis Professional software, chemical bolt fixing and through bolt fixing with excellent images. On seeing the images shared the students gained more knowledge about the techniques that can be adopted in Rehabilitation of existing structures. He also shared his experiences about problems faced between Architect team, mechanical team and electrical team during this project, which would be helpful for the students in future. Discussion session was arranged by the department between guest and students for their queries, clarification of their doubts regarding the repairing techniques adopted. Then the session ended with vote of thanks by the Prof.S. Kannan, Assistant Professor, Department of Civil Engineering.



Welcome Address by Mrs. Sathya Prabha, Assistant Professor, Civil Engineering



Felicitation by the Head of the Department, Civil Engineering.



Honoring the Guest



Renovated Existing Commercial Building using Steel Strengthening



M36 Bolt Connections in Beam- Column Elements



Steel Strengthening Work at existing footing



Participants



Analyse the loads using Robot Structural Analysis Professional software



Vote of Thanks by Mr. S. Kannan , Assistant Professor, Civil Engineering

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SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Class – II CSE – 'A' **Date: 30.10.2021**

Circular Regarding - Committee Meeting for the Academic Year (2021 – 2022 ODD Sem)

The first class committee meeting for ~~III~~ II Year B.E-CSE-~~A~~ A' was held on **30th October at 12.45 pm** through (Offline Mode) in Hall No: 405.Staff members and student representatives are requested to attend the class committee meeting and share their valuable suggestions/comments.

Staff Members:

Subcode	Title	Faculty Name
CS8351	DIGITAL PRINCIPLES AND SYSTEM DESIGN	Mr.A.T.Barani Vijayakumar
CS8391	DATA STRUCTURES	Dr.R.Thillaikarasi
CS8392	OBJECT ORIENTED PROGRAMMING	Mr.K.S.Chandrasekaran
EC8395	COMMUNICATION ENGINEERING	Ms.R.Vaishanavi
MA8351	DISCRETE MATHEMATICS	Dr.N.Subashini

Student Members:

S.No.	Batch No.	Student Name
01	231007	ALAN JAMEY M
02	231025	DEEPIKA.R
03	231046	KAVIN P
04	231050	KEERTHANA S
05	231051	KIRUTHIKA.K
06	231124	SANDEEP.M

CLASS CO-ORDINATOR
(Ms.K.S.CHANDRASEKARAN)

HOD/CSE
(Dr. S.A. Sahaaya Arul Mary)

The Vision and Mission (Department and College), PEOs and PSOs of the department are disseminated to the Students in every Class Committee Meeting.

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 30.10.2021

First Class Committee Meeting Report for II CSE ASection

The first-Class Committee Meeting for II CSE A Section was held on **30th October at 12.45 pm** with the following Staff Members and Student representatives and points discussed in the session are mentioned below.

S. No	Subject Code	Subject Title	Staff Name	Staff Signature
1	CS8351	DIGITAL PRINCIPLES AND SYSTEM DESIGN	Mr.A.T.Barani Vijayakumar	
2	CS8391	DATA STRUCTURES	Dr.R.Thillaikarasi	
3	CS8392	OBJECT ORIENTED PROGRAMMING	Mr.K.S.Chandrasekaran	
4	EC8395	COMMUNICATION ENGINEERING	Ms.R.Vaishanavi	
5	MA8351	DISCRETE MATHEMATICS	Dr.N.Subashini	

The following points were discussed by the HOD:

Instruct to maintain attendance and to ensure maximum percentage.

Discussed about class arrangements and usage of projector for PowerPoint presentation.

Got feedback from Students regarding individual subjects.

Feedback given by the students:

They need additional time for practicing lab sessions.

Discrete Mathematics:

Concepts are clearly explained. Satisfied with his teaching method.

Object Oriented Programming:

Extra Information beyond the subject is given which is really helpful to develop our knowledge.More Practice Programs were given in the class.

The Vision and Mission (Department and College), PEOs and PSOs of the department are disseminated to the Students in every Class Committee Meeting.

Digital Principles and System Design:

Need more practice to draw Circuit diagrams in laboratory.

Communication Engineering:

Subject is handled well by the staff. They find it difficult to complete the exam within given time.

Data Structures:

Subject is handled well by the staff but more problems can be given for practice.

Student Members:

S.No.	Batch No.	Student Name	Signature
01	231007	ALAN JAMEY M	
02	231025	DEEPIKA.R	
03	231046	KAVIN P	
04	231050	KEERTHANA S	
05	231051	KIRUTHIKA.K	
06	231124	SANDEEP.M	

CLASS COORDINATOR **HOD/CSE** **PRINCIPAL**

SARANATHAN COLLEGE OF ENGINEERING

Tiruchirapalli - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Action Taken Report - Committee Meeting for the II CSE A

30.10.2021

The Following points were discussed during first class committee meeting held on 30.10.2021.

1. During Internal Examination 100% attendance should be maintain by all the students to ensure this faculty members are instructed to monitor student presence on every test.
2. Students requested for extra practice problems in Mathematics.
3. Class timing is changed to 6 hours per day for each sessions and will be scheduled to take one hour + Time table is prepared with 6 periods per day.
4. Students are to be allotted extra lab hours for practicing lab sessions.
5. All faculty members should upload their materials in Google Classroom within a week.
6. Extra hour is provided for students to practices problems.
7. Staffs are requested to maintain 95 percent of pass percentage in individual subjects.

CLASS CO-ORDINATOR

(Ms.K.S.CHANDRASEKARAN)

HOD/CSE

(Dr. S.A. Sahaaya Arul Mary)

21. 27

SARANATHAN COLLEGE OF ENGINEERING - TRICHY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
First Class committee meeting II year CSE B
CIRCULAR

29/10/2021
Trichy-12.

The first class committee meeting for II year CSE B section will be held on **30/10/2021** ***at RV 413 on 1.30 pm***

The Faculty members and student representatives are requested to attend the class committee meeting without fail and give their suggestions for the improvements of the students .

Name of the ChairPerson: Ms.Sahaaya Arul Mary Prof/ Head

Staff Members:

- Dr.S.Mohana
- Mr.R.Karthik
- Dr.N.Geetha
- Mr.M.Mahendran
- Ms.G.Iswarya

Students :

A.Shalini
N.Varshini
SV.Nandhana
S.Thiruvengadam
S.Shyam sundar
R M Prasanna priyan

29/10/21
Class Co-ordinator

29/10/21
HoD/CSE

SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620 012.

Date: 30.10.2021

Department of Computer Science and Engineering

First Class Committee Meeting Report for II year CSE – 'B' Section

The first Class Committee Meeting for II year CSE - 'B' Section was held on **30.10.2021at1:30pm** with the following Staff Members at CSE Seminar hall

Chair Person : Dr.S.A.Sahaaya Arul Mary, HOD, Department of CSE.
Class Coordinator : Ms.Iswarya G, AP/CSE.

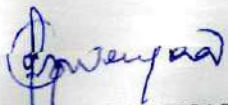
Sl.No	Subject Code	Subject Title	Minutes	Staff Name	Staff Signature
1.	MA8351	Discrete Mathematics	The students are comfortable with the subject and they asked for tutorial hour.	Dr.D.Geetha(Mat)	
2	CS8351	Digital Principles and System Design	The students are able to understand the subject easily.	Prof.G.Iswarya (CSE)	
3	CS8391	Data Structures	The students are comfortable with the subject and understand the concepts.	Prof.R.Karthik(CSE)	
4	CS8392	Object Oriented programming	The students were able to understand the subject easily and could code the program on their own.	Dr.S.Mohana (CSE)	
5	EC8395	Communication Engineering	The students are able to understand the subject easily. HoD madam asked the students to concentrate more.	Prof.M.Mahendran(ECE)	

The Vision and Mission (Department and College), PEOs and PSOs of the department are disseminated to the Students in every Class Committee Meeting.

6	CS8381	Data Structures Lab	The students are able to understand the concept and to code it in the lab.	Prof.R.Karthik(CSE)	
7	CS8382	Digital Principles and Systems Design Lab	The students are able to understand the concept and can implement it in the lab.	Dr.P.Shanmugapriya(ECE)	
8	CS8383	Object oriented Programming Lab	The students are able to understand the concept and to code it in the lab.	Dr.S.Mohana (CSE)	

The following points were discussed:

1. The students should be instructed to avoid the late presence, by the Staff members.
2. The Staff members should take additional care on weak students to reduce the number of failures.
3. The Staff members insisted the students to maintain their attendance percentage above 80 Percent by avoiding, taking leave and in unavoidable conditions, they should inform their Class coordinator as well as HOD, in advance.



CLASS COORDINATOR



HOD/CSE

SARANATHAN COLLEGE OF ENGINEERING - TRICHY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

First Class committee meeting II year CSE B

Action taken Report

30/10/2021

The first class committee meeting for II year CSE B section will be held on **30/10/2021** ***at 1.30pm*** *with students at CSE seminar hall* through offline the following actions were taken.

1. Class timing is changed to 6 hours per day for each sessions will be scheduled to take one hour
2. The students were instructed to be attentive in class.
3. The students should be instructed to avoid the late presence, by the Staff members.
4. All faculty members are uploaded the materials in Google classroom within a week.
5. The Staff members should take additional care on weak students to reduce the number of failures.
6. The Staff members insisted the students to maintain their attendance percentage above 80 Percent by avoiding, taking leave and in unavoidable conditions, they should inform their Class coordinator as well as HOD, in advance.
7. Extra hour is provided for students to practices problems.
8. Staffs are requested to maintain maximum pass percentage of 95%.

Class Co-ordinator

HoD/CSE

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

First Class Committee Meeting for III Year B.E-CSE-'A'

Tiruchirapalli,
24.08.2021.

The first class committee meeting for III Year CSE "A" Section will be held on **26.08.2021 at 4.00P.M**. The Staff members and Student representatives are requested to attend the class committee meeting without fail and give your suggestions for the improvement of the students.

Venue: RV Block Lab 1

Staff Members:

1. Dr.S.A Sahaaya Arul Mary
2. Dr.R.Senthamil Selvi
3. Dr.R.Neelambari
4. Dr.N.Lakshmi kanthan
5. Mr.P.Dineshkumar
6. Mr.V.Koushick
7. Mr.R.Karthik

Student Members:

1. Aruna. A.P
2. Dheeraj Prakash.S
3. Gayathri.S
4. Ahmed Yahya.A
5. Jeevanantham.T
6. Nagaraj.R

CLASS COORDINATOR
(Mr. P. Dineshkumar)

HOD/CSE
(Dr. S.A. Sahaaya Arul Mary)

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 26.08.2021

Department of Computer Science and Engineering

First Class Committee Meeting Report for III Year CSE – 'A' Section

The first-Class Committee Meeting for III - Year CSE - 'A' Section was held on **26th August 21 at 4.00 pm** at RV Block Lab 1 with the following Staff Members and Student representatives and points discussed in the session are mentioned below.

S. No	Subject Code	Subject Title	Staff Name	Staff Signature
1.	MA8551	Algebra and Number Theory	Dr.R.Neelambari	
2.	CS8591	Computer Networks	Mr.P.Dineshkumar	
3.	CS8501	Theory of Computation	Dr.R.Senthamil Selvi	
4.	CS8592	Object Oriented Analysis and Design	Dr.S.A.Sahaaya Arul Mary	
5.	OCE552	Geographic Information System	Dr.N.Lakshmi kanthan	
6.	EC8691	Microprocessors and Microcontrollers	Mr.V.Koushick	
7	T&P	Training and Placement	Mr.R.Karthik	

The following points were discussed by the HOD:

1. Students were advised not to take leave.
2. Students were advised to follow SOP-Covid19 inside the campus.
3. Students were asked to follow the dress code seriously
4. Students were advised to take the IA exam seriously.
5. Students were advised to be on time for the class.

The Vision and Mission (Department and College), PEOs and PSOs of the department are disseminated to the Students in every Class Committee Meeting.

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 26.08.2021

Department of Computer Science and Engineering
First Class Committee Meeting III Year CSE – 'A' Section
Action Taken Report

As per the points discussed in first class committee meeting was held on **26th August 21 at 4.00 pm** at RV Block Lab 1, the following actions are taken.

1. Classroom has been created and a material for all the subjects has been uploaded in the classroom.
2. Students are insisted to be present inside the classroom 5minutes before start of the class.
3. Attendance has been tracked and intimated to the students who are having very low attendance percentage.
4. The entire IA test has been conducted as per the schedule.
5. Subject handlers are instructed to monitor the slow learners and take proper action to improve their performance.
6. Students were insisted to follow the SOP-Covid19 inside the campus.

dineshkumar

CLASS COORDINATOR
(Mr. P. Dineshkumar)

HOD/CSE
(Dr. S.A. Sahaaya Arul Mary)

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 10.11.2021

First Class Committee Meeting Report for IV - CSE - 'A' Section

The first-Class Committee Meeting for IV - CSE - 'A' Section was held on **10th November at 2.15 pm** with the following Staff Members and Student representatives and points discussed in the session are mentioned below.

S. No	Subject Code	Subject Title	Staff Name	Staff Signature
1.	CS8792	Cryptography and Network Security	Dr. N. Lakshmi kanthan	
2.	CS8791	Cloud Computing	Mr.A.T.Barani Vijaya kumar	
3.	IT8075	Software Project Management	Ms. J.Sathiyaparkavi	
4.	CS8083	Multicore Architecture and Programming	Mr.P.B.Aravind Prasad	
5.	OBM752	Hospital Management	Mr.K.S.Chandrasekaran	
6.	MG8591	Principles of Management	Mr.K.Arun Prasad	
7	CS8080	Information Retrieval Techniques	Mr.R.Mohan Kumar	

The following points were discussed by the HOD:

Instruct to maintain attendance and to ensure maximum percentage.

Discussed about class arrangements and usage of projector for PowerPoint presentation.

Got feedback from Students regarding individual subjects.

Feedback given by the students:

They need additional time for practicing lab sessions.

Cryptography and Network Security

Concepts are clearly explained. Satisfied with his teaching method.

Cloud Computing:

Extra Information beyond the subject is given which is really helpful to develop our knowledge. But some students are confused what to present in the exam with syllabus oriented.

The Vision and Mission (Department and College), PEOs and PSOs of the department are disseminated to the Students in every Class Committee Meeting.

Student Members:

S.No.	Batch No.	Student Name
01	211006	Aishwariya E
02	211012	Arun Kumar S
03	211016	Charanjeeth S
04	211055	Moshmi C S
05	211041	Keerthana M
06	211059	Naveena S

CLASS CO-ORDINATOR
(Mr. P.B. Aravind Prasad)

HOD/CSE
(Dr. S.A. Sahaaya Arul Mary)

SARANATHAN COLLEGE OF ENGINEERING

Tiruchirapalli - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Action Taken Report - First Class Committee Meeting for the IV CSE – 'A'

10.11.2021

As points discussed during first class committee meeting which was held on 10.11.2021 through offline the following actions were taken.

1. Class timing is changed to 6 hours per day for each sessions and will be scheduled to take one hour + Time table is prepared with 6 periods per day.
2. Students are allotted extra lab hours for practicing lab sessions.
3. All faculty members are uploaded the materials in Google Classroom within a week.
4. During Internal Examination 100% attendance should be maintain by all the students to ensure this faculty members are instructed to monitor student presence on every test.
5. Extra hour is provided for students to practices problems.
6. Staffs are requested to maintain 95 percent of pass percentage in individual subjects.

CLASS CO-ORDINATOR

(Mr. Aravind Prasad P B)

HOD/CSE

(Dr. S.A. Sahaaya Arul mary)

Software Project Management:

Concepts are clearly explained

Multicore Architecture and Programming:

Subject is handled well by the staff but Syllabus was rushed. They were not able to prepare themselves for exams. They need extra hour this subject.

Hospital Management:

Subject is handled well by the staff. They find it difficult to complete the exam within given time.

Principles of Management

Subject is handled well by the staff but more problems can be given for practice.

Information Retrieval Techniques

Real time examples are required.Extra hours needed

Student Members:

S.No.	Batch No.	Student Name	Student Signatures
01	211006	Aishwarya E	
02	211012	Arun Kumar S	
03	211016	Charanjeeth S	
04	211055	Moshmi C S	
05	211041	Keerthana M	
06	211059	Naveena S	

CLASS COORDINATOR **HOD/CSE** **PRINCIPAL**

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Class : IV CSE – 'B' **Date: 10/11/2021**

Circular Regarding -First Class Committee Meeting for the Academic Year (2021 – 2022 ODD Sem)

The first class committee meeting for IV Year CSE-'B' was held on **10th November at 12.35 P.M.** in CSE Seminar Hall. Staff members and student representatives are requested to attend the class committee meeting and give their valuable suggestions.

Staff Members:

S.No	Subject Code	Subject Title	Staff Name
1.	CS8792	Cryptography and Network Security	Ms. S. Ranjani
2.	CS8791	Cloud Computing	Dr.R.Senthamil Selvi
3.	IT8075	Software Project Management	Ms. K.Gomathi
4.	CS8083	Multi-Core Architecture and Programming	Ms.R.Hema
5.	OBM752	Hospital Management	Dr.P.L. Rajarajeswari
6.	MG8591	Principles of Management	Mr. J. Navaneetha Krishnan
7	CS8080	Information Retrieval Techniques	Dr.T.Sathis Kumar

Student Members:

S.No.	Batch No.	Student Name
01	211062	Pradeepa J.
02	211071	Reshma Banu L.
03	211076	Sanjay S.P.
04	211096	Steve Philip S.
05	211117	Yazhini R.

Class Coordinator
(Ms. Hema R.)

HoD/CSE
(Dr. S.A. Sahaaya Arul Mary)

SARANATHAN COLLEGE OF ENGINEERING, TIRUCHIRAPALLI - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 10.11.2021

First Class Committee Meeting Report for IV - CSE - 'B' Section

The first Class Committee Meeting for IV - CSE - 'B' Section was held on **10th November at 12.35 pm** with the following staff members and student representatives assembled in CSE Seminar Hall and points discussed in the session are mentioned below.

S. No	Subject Code	Subject Title	Staff Name	Staff Signature
1.	CS8792	Cryptography and Network Security	Ms. S. Ranjani	
2.	CS8791	Cloud Computing	Dr. R.Senthamil Selvi	
3.	IT8075	Software Project Management	Ms. K. Gomathi	
4.	CS8083	Multi-Core Architecture and Programming	Ms. R. Hema	
5.	OBM752	Hospital Management	Dr. P. L. Rajarajeswari	
6.	MG8591	Principles of Management	Mr. J. Navaneetha Krishnan	
7	CS8080	Information Retrieval Techniques	Dr. T. Sathis Kumar	

The following points were discussed by the HoD:

Insisted students to maintain at least 75% of attendance to appear for university examination

Discussed about classroom arrangements and usage of projector for PowerPoint presentation.

Received feedback from Students regarding individual subjects

Motivated students to participate in Intra Departmental Technical Event conducted by IQAC Cell

Feedback given by the students:

They need additional time for hands-on practice for lab sessions

The Vision and Mission (Department and College), PEOs and PSOs of the department are disseminated to the Students in every Class Committee Meeting.

Cryptography and Network Security

Concepts are clearly explained. Need additional problems for better understanding. Quiz is really useful.

Cloud Computing

Way of delivering the content is with clarity. Notes are useful and understandable. Some more case studies could be discussed for better understanding

Software Project Management

Concepts are clearly understood and notes are really useful.

Multicore Architecture and Programming

Subject is handled well by the staff. Analogies are relevant which enable the ease of understand the concepts

Hospital Management

Subject is handled well by the staff. They find it difficult to complete the exam within given time.

Principles of Management

Subject is handled well by the staff and case studies are needed for better understanding

Information Retrieval Techniques

Real time examples are required. Extra hours needed for clear understanding

Student Members:

S.No.	Batch No.	Student Name	Student Signatures
01	211062	Pradeepa J.	
02	211071	Reshma Banu L.	
03	211076	Sanjay S.P.	
04	211096	Steve Philip S.	
05	211117	Yazhini R.	

CLASS COORDINATOR **HOD/CSE** **PRINCIPAL**

SARANATHAN COLLEGE OF ENGINEERING

Tiruchirapalli - 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Action Taken Report - First Class Committee Meeting for the IV CSE – 'B'

10.11.2021

As points discussed during first class committee meeting which was held on 10.11.2021 through offline, the following actions were taken to resolve the students grievances.

1. Class timing is changed to 6 hours per day and will be scheduled to take 1 hour for each session and Time table is prepared with 6 periods per day.
2. Students are given extra lab hours for practicing lab sessions.
3. The faculty members have uploaded the study materials and question banks in Google Classroom.
4. During Internal Examination, 100% attendance should be maintain by all the students. To ensure this, faculty members are instructed to monitor student presence on every test.
5. Case Studies and real time problems were given for students' practice as per their request
6. Staff are requested to maintain at least 95 percent as pass percentage in each individual subjects.

Class Coordinator

(Ms. Hema R.)

HoD/CSE

(Dr. S.A. Sahaaya Arul Mary)

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CSE Month&Year: 1ST FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	arunprasad-cse	AID-A/1	65	GE3151/Problem Solving And Python Programming	14.08	14.03	7.43	11.15	11.19	11.08	3.68	5.48	7.43	7.51	93.06
2	veeyes	CIVIL-A/1	25	GE3151/Problem Solving And Python Programming	12.96	12.24	6.53	9.98	9.60	9.50	3.20	4.80	6.40	6.59	81.81
3	mohankumar-cse	CSE-A/1	61	GE3151/Problem Solving And Python Programming	13.33	13.13	6.53	9.25	9.56	9.95	2.79	4.76	6.22	6.77	82.29
4	barani-cse	CSE-A/3	43	CS8351/Digital Principles And System Design	14.02	13.81	6.96	11.00	10.38	11.00	3.59	5.39	7.33	7.52	90.99
5	thillai-cse	CSE-A/3	46	CS8391/Data Structures	13.43	13.70	6.50	10.38	9.97	10.49	3.36	5.17	7.20	7.17	87.36
6	chandrasekaran-cse	CSE-A/3	44	CS8392/Object Oriented Programming	14.66	14.25	7.35	11.56	11.62	11.40	3.87	5.70	7.53	7.53	95.46
7	senthamilselvi-cse	CSE-A/5	30	CS8501/Theory Of Computation	13.90	13.90	7.36	11.20	10.80	10.88	3.76	5.52	7.47	7.36	92.15
8	dineshkumar-cse	CSE-A/5	29	CS8591/Computer Networks	13.97	13.76	7.34	11.09	10.92	10.84	3.78	5.63	7.50	7.39	92.22
9	mary-cse	CSE-A/5	28	CS8592/Object Oriented Analysis And Design	13.50	13.50	7.20	10.71	10.37	10.63	3.51	5.49	7.31	7.49	89.71
10	lakshmikanthan-cse	CSE-A/5	30	OCE552/Geographic Information System	13.70	13.60	7.20	10.64	11.04	10.88	3.65	5.36	7.31	7.36	90.74
11	aravind-cse	CSE-A/7	28	CS8083/Multi Core Architecture	11.36	11.79	5.94	9.09	9.34	9.17	3.09	4.50	6.29	4.63	75.19

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12	barani-cse	CSE-A/7	28	CS8791/Cloud Computing	11.68	11.36	5.71	8.83	8.66	8.66	2.89	4.54	6.23	6.29	74.84
13	lakshmikanthan-cse	CSE-A/7	27	CS8792/Cryptography And Network Security	11.67	11.56	5.69	9.42	8.44	9.07	2.96	4.62	6.22	6.10	75.76
14	parkavi-cse	CSE-A/7	26	IT8075/Software Project Management	11.88	11.31	6.22	9.69	8.95	9.51	3.23	4.57	6.03	6.15	77.55
15	chandrasekaran-cse	CSE-A/7	27	OBM752/Hospital Management	11.56	11.67	6.28	9.96	8.89	9.60	3.23	4.53	6.28	6.28	78.27
16	karthik-cse	CSE-B/1	63	GE3151/Problem Solving And Python Programming	14.71	14.62	7.67	11.12	11.20	11.24	3.75	5.64	7.57	7.72	95.24
17	iswarya-cse	CSE-B/3	54	CS8351/Digital Principles And System Design	12.94	12.72	6.81	10.58	10.18	10.36	3.66	5.38	7.14	7.02	86.79
18	karthik-cse	CSE-B/3	57	CS8391/Data Structures	13.63	13.47	7.02	10.65	10.57	10.95	3.47	5.35	7.07	7.33	89.51
19	mohana-cse	CSE-B/3	54	CS8392/Object Oriented Programming	13.22	13.33	6.64	10.31	10.00	10.44	3.42	5.24	6.90	6.81	86.33
20	thillai-cse	CSE-B/5	44	CS8501/Theory Of Computation	12.89	13.09	6.11	9.27	9.44	10.15	3.15	4.94	6.84	6.91	82.77
21	veeyes	CSE-B/5	52	CS8591/Computer Networks	13.38	13.67	6.43	9.83	10.80	10.43	3.18	5.28	7.14	7.23	87.39
22	parkavi-cse	CSE-B/5	17	CS8592/Object Oriented Analysis And Design	12.18	12.18	6.78	10.16	9.46	9.60	3.34	5.22	6.49	6.96	82.38
23	gomathi-cse	CSE-B/5	47	OCE552/Geographic Information System	11.94	11.68	6.26	9.65	9.55	9.55	3.32	4.93	6.47	6.20	79.54
24	hema-cse	CSE-B/7	53	CS8083/Multi Core Architecture	12.00	12.11	6.19	9.46	9.24	9.42	2.96	4.82	6.49	6.49	79.18
25	senthamilselvi-cse	CSE-B/7	52	CS8791/Cloud Computing	12.87	12.63	6.68	10.15	10.06	10.11	3.38	5.01	6.80	6.89	84.58
26	sranjani-cse	CSE-B/7	57	CS8792/Cryptography And Network Security	12.37	12.42	6.96	10.36	9.73	9.98	3.41	5.18	6.88	6.88	84.16
27	gomathi-cse	CSE-B/7	52	IT8075/Software Project Management	11.83	11.88	6.40	9.51	9.37	9.55	3.25	4.96	6.52	6.58	79.86
28	rajarajeswari-cse	CSE-B/7	51	OBM752/Hospital Management	13.00	13.24	7.00	10.45	10.64	10.31	3.55	5.32	7.09	6.90	87.47
29	dineshkumar-cse	ECE-A/1	64	GE3151/Problem Solving And Python Programming	14.25	14.20	7.20	10.91	11.18	10.95	3.70	5.64	7.47	7.57	93.08

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30	iswarya-cse	ECE-A/3	46	EC8393/Fundamentals Of Data Structures In C	14.15	13.76	7.13	11.06	10.80	10.85	3.70	5.56	7.48	7.27	91.77
31	hema-cse	ECE-B/1	60	GE3151/Problem Solving And Python Programming	13.10	12.90	6.77	9.44	9.28	9.92	3.17	5.10	6.56	7.12	83.37
32	sathiskumar-cse	ECE-B/3	42	EC8393/Fundamentals Of Data Structures In C	12.36	11.86	6.25	9.43	9.49	9.26	3.20	4.80	6.48	5.33	78.44
33	sranjani-cse	EEE-A/1	50	GE3151/Problem Solving And Python Programming	13.02	12.96	7.07	10.22	9.31	10.22	3.52	5.14	6.66	6.78	84.91
34	boobala-cse	EEE-A/5	26	CS8392/Object Oriented Programming	12.69	12.46	6.83	10.25	10.06	10.15	3.32	4.98	6.77	7.02	84.54
35	priyanga-cse	EEE-A/7	27	OCS752/Introduction To C Programming	10.78	10.67	5.63	8.44	7.38	8.27	2.76	4.58	6.16	5.75	70.41
36	boobala-cse	EEE-B/5	19	CS8392/Object Oriented Programming	13.26	13.11	6.91	10.61	10.36	10.48	3.41	5.18	7.24	7.07	87.63
37	priyanga-cse	EEE-B/7	35	OCS752/Introduction To C Programming	10.89	10.80	5.81	8.91	8.30	8.57	2.79	4.63	6.26	5.99	72.94
38	veeyes	ICE-A/1	14	GE3151/Problem Solving And Python Programming	13.29	12.86	6.40	10.46	10.46	10.29	3.37	4.80	6.74	6.40	85.06
39	aravind-cse	MECH-A/1	55	GE3151/Problem Solving And Python Programming	11.62	11.29	6.34	9.47	9.43	9.16	3.07	4.56	6.46	4.71	76.11

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Department of Computer Science and Engineering

Action Taken Report

SEMESTER : 2021-2022 ODD

ACADEMIC YEAR: 2021-2022

Students submit their feedback on a scale of 100 percent which is used to assess the performance of the Faculty. On 26-11-2021 at 12.50pm in the Principal's cabin, the Principal conducted a meeting for faculty members regarding the student feedback report. He praised those who scored above the 75 percent mark and advised those who scored below the mark [highlighted in the accompanying report] to work harder in the future.

Explanation from the Faculty

staffcode	Explanation
Barani-cse	I will surely improve my performance in the next semester and will meet the expectations and standards set.
Priyanga-cse	I will make it a point to work hard and prove myself by leaps and bounds.





HOD CSE

PRINCIPAL

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : CSE Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	shapnarani-cse	AID-A/2	60	AD3251/Data Structure Design	11.25	10.45	5.71	8.04	7.88	8.08	2.72	4.42	5.81	5.63	69.99
2	vidivelli-cse	CSE-A/2	64	CS3251/Programming In C	10.31	9.70	4.90	8.06	7.39	8.25	2.62	4.14	5.60	5.20	66.18
3	gomathi-cse	CSE-A/4	58	CS8451/Design And Analysis Of Algorithms	12.93	12.10	7.03	10.55	11.09	10.34	3.54	5.44	7.09	7.42	87.55
4	rajarajeswari-cse	CSE-A/4	58	CS8491/Computer Architecture	13.55	13.19	7.06	10.63	10.01	10.55	3.48	5.21	7.12	7.37	88.18
5	mohana-cse	CSE-A/4	53	CS8492/Database Management Systems	13.81	13.70	6.76	11.00	10.73	11.18	3.67	5.50	7.31	7.31	90.97
6	parkavi-cse	CSE-A/4	58	CS8493/Operating Systems	13.45	13.19	6.95	10.68	10.18	10.47	3.45	5.32	7.14	7.12	87.94
7	arunprasad-cse	CSE-A/4	55	CS8494/Software Engineering	14.51	14.13	7.56	11.39	11.30	11.48	3.81	5.69	7.62	7.71	95.20
8	mohankumar-cse	CSE-A/6	60	CS8075/Data Warehousing And Mining	13.65	13.45	7.20	10.56	10.36	10.52	3.55	5.42	7.12	7.20	89.03
9	sathiskumar-cse	CSE-A/6	32	CS8080[8]/Information Retrieval Techniques	12.47	12.47	6.75	10.05	9.82	10.12	3.42	5.14	6.80	6.60	83.65
10	veeyes	CSE-A/6	58	CS8601/Mobile Computing	13.40	13.66	6.68	10.26	10.30	10.63	3.34	5.34	7.14	7.28	88.03
11	senthamilselvi-cse	CSE-A/6	60	CS8602/Compiler Design	13.30	13.35	6.48	10.28	9.68	10.04	3.37	5.24	6.83	7.09	85.66
12	boobala-cse	CSE-A/6	61	CS8603/Distributed Systems	13.08	13.18	7.13	10.82	10.74	10.54	3.58	5.45	7.11	7.29	88.93

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TRICHY - 12.

13	sranjani-cse	CSE-A/6	58	CS8651/Internet Programming	13.14	12.72	7.09	9.97	9.72	10.18	3.48	5.48	7.14	6.59	85.52
14	dineshkumar-cse	CSE-A/6	60	CS8691/Artificial Intelligence	14.05	14.20	7.55	11.28	11.16	11.36	3.81	5.70	7.60	7.63	94.34
15	boobala-cse	CSE-A/8	9	CS8080/Information Retrieval Techniques	12.33	12.33	6.40	10.13	10.13	10.13	3.38	5.07	6.93	7.11	83.96
16	arunprasad-cse	CSE-A/8	12	GE8076/Professional Ethics In Engineering	12.75	12.50	6.53	10.60	10.20	10.00	3.40	5.30	6.67	6.80	84.75
17	gomathi-cse	CSE-B/2	54	CS3251/Programming In C	11.06	10.83	5.81	8.80	8.93	8.98	2.89	4.51	6.01	6.01	73.84
18	chandrasekaran-cse	CSE-B/4	60	CS8451/Design And Analysis Of Algorithms	13.45	13.65	6.85	10.76	10.40	10.80	3.51	5.28	7.09	7.15	88.94
19	barani-cse	CSE-B/4	60	CS8491/Computer Architecture	12.50	12.00	6.32	9.76	9.00	9.60	3.04	4.94	6.48	6.83	80.47
20	hema-cse	CSE-B/4	58	CS8492/Database Management Systems	13.29	13.09	6.76	10.10	10.39	10.47	3.26	5.03	6.87	7.06	86.30
21	iswarya-cse	CSE-B/4	61	CS8493/Operating Systems	12.64	11.80	6.14	9.91	8.93	9.76	3.40	4.90	6.85	6.74	81.07
22	mary-cse	CSE-B/4	60	CS8494/Software Engineering	12.50	12.35	6.00	9.64	9.32	9.44	2.99	4.44	6.67	6.91	80.25
23	karthik-cse	CSE-B/6	55	CS8075/Data Warehousing And Mining	14.67	14.51	7.56	11.65	11.56	11.56	3.85	5.72	7.68	7.80	96.57
24	mohankumar-cse	CSE-B/6	55	CS8080[8]/Information Retrieval Techniques	13.04	13.20	6.92	10.52	10.47	10.47	3.51	5.30	6.95	6.87	87.25
25	rajarajeswari-cse	CSE-B/6	54	CS8601/Mobile Computing	12.11	11.67	6.34	9.56	9.33	9.73	3.10	4.76	6.46	6.67	79.72
26	mohanapriya-cse	CSE-B/6	55	CS8602/Compiler Design	12.49	12.22	6.66	9.77	9.21	9.82	3.37	5.11	6.40	6.11	81.16
27	sathiskumar-cse	CSE-B/6	55	CS8603/Distributed Systems	11.89	11.67	6.40	9.51	9.47	9.21	3.37	4.95	6.46	5.85	78.79
28	chandrasekaran-cse	CSE-B/6	54	CS8651/Internet Programming	13.33	13.39	6.84	10.67	10.36	10.49	3.39	5.18	6.84	6.73	87.22
29	lakshmikanthan-cse	CSE-B/6	56	CS8691/Artificial Intelligence	11.73	12.11	6.11	9.34	9.26	9.60	3.00	4.78	6.20	6.57	78.70
30	boobala-cse	CSE-B/8	19	CS8080/Information Retrieval Techniques	10.42	10.26	5.39	7.96	8.21	7.96	2.82	4.04	5.56	5.39	68.01

PRINCIPAL
Saranathan College of Engineering
TRICHY - 12.

Saranathan College of Engineering
Tiruchirappalli - 12

Department of Computer Science and Engineering

Action Taken Report

SEMESTER : 2021-2022 EVEN

ACADEMIC YEAR: 2021-2022

Students submit their feedback on a scale of 100 percent which is used to assess the performance of the Faculty. On 06-06-2022 at 5.10pm in the Principal's cabin, the Principal conducted a meeting for faculty members regarding the student feedback report. He praised those who scored above the 75 percent mark and advised those who scored below the mark [highlighted in the accompanying report] to work harder in the future.

Explanation from the Faculty

staffcode	Explanation
Shapnarani-Cse	I will surely improve my performance in the next semester and will meet the expectations and standards set.
Vidivelli-cse	I will make it a point to work hard and prove myself by leaps and bounds.
Gomathi-cse	I make sure that I meet the needs and requirements of the students in a full fledged manner.
Boobala-cse	I will implement the suggestions given the HOD and the principal and strive to improve the feedback score in future lectures.



HOD CSE



PRINCIPAL

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)

Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

PROGRAM ADVISORY COMMITTEE MEETING
AGENDA

VENUE: CSE SEMINAR HALL **DATE: 07.07.2021**

10.00 AM TO 10.05 AM	: Welcome address by HOD
10.05 AM TO 10.10 AM	: Presidential address by Principal
10.10 AM TO 10.20 AM	: Introduction of PAC members by program co-ordinator
10.20 AM TO 10.50 AM	: Discussion of CO-PO and CO-PSO attainment 2017-2021 batch
10.50 AM TO 12.30 PM	: Action plan to be taken for the forthcoming batches to attain POs and PSOs through value additions and getting approval
12.30 PM TO 12.40 PM	: Vote of thanks by program co-ordinator

HOD/CSE

Copy to:

1. Principal
2. All PAC Members

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)
Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Ref: SCE/CSE/PAC Meeting/Minutes/2021 07.07.2021

Minutes of the PAC meeting

Program Advisory committee meeting with all stakeholders to discuss about the CO-PO and CO-PSO attainment of 2017-2021 batch of CSE graduates held on 07.07.2021 Wednesday at 10.00 am in the CSE seminar hall.

The following PAC members were present:

S.No	Type of stakeholder	Stakeholder	Name and Designation
1.	Intenal Stakeholders	Management Representative	Dr.D.Valavan– Principal
2.		Faculty	1.Dr. S. A. Sahaaya Arul Mary Professor & Head-CSE 2.All Faculty members
3.		Supporting staff	Mr.S.Arif CSG-CSE
4.		Students	1.Mr.Y.Basheer Ahamed-IV year A sec 2.Mr.S.P.Sanjay-IV year B sec
5.	External Stakeholders	Industry	Ms. Devi M.S Patent Attorney , K&S Partners , Hyderabad.
6.		Research Organisation	Dr.M.Veeramanikandan,Aegis, Bangalore.
7.		Alumni	Mr. Karthikeyan M.N Senior Developer, SAP Labs, Bangalore.
8.		Parents	1.Mr. Prakash Raghupathy, Block A-4 Vignesh Paradise Melur Road Srirangam Tiruchirappalli-6. 2.Mr.Bharathan J, Plot no: 20-21, Venkateswara road, Jaya nagar,K.K.nagar post, Tiruchirappalli.
9.		Eminent Academician	Dr. Raghuveer V R, Dean Acadmeics and Academic Staff College, KL University, Andrapradesh.

- HOD/CSE delivered the welcome address.She also briefed about the progress of the department towards the achievement of vision, mission, PEOs, POs, PSOs.

- Principal delivered the presidential address to the stakeholders and publicized the vision and mission of the institution.

- Program co-ordinator (PC) Dr.PL.Rajarajeswari, Associate professor/CSE introduced the committee members of the program advisory committee (PAC) of the CSE program and publicized the vision, mission, PEOs, POs, PSOs of the CSE program.

- CO-PO attainment discussed with the PAC members and gathered the action taken for the improvement of CO-PO attainment for the forthcoming batch students.

- The following views were gathered together from the stakeholders regarding the action plans to be taken for the forthcoming batch students to attain POs and PSOs through value additions.

- Expert from industry and research organisation specified the expectation of industries from the graduates and the oppurtunities available for the engineers in various industries.

- Alumni talked about the placement training and companies visiting the campus for the recruitment.

- Eminent academician appreciated the teaching methodologies practiced by the CSE department and recommended to conduct value added programs to increase the employability of the students.

- Student representatives requested to arrange industrial visit to enhance their technical skills.

- Parents suggested on arranging more campus interviews to enhance the students' career.

- The members of PAC suggested and approved to take any one of the following measures to strengthen the CO-PO and CO-PSO attainment for the forthcoming batches of the CSE program.

    - Conduction of value added course
    - Conduction of project presentation contest
    - Conduction of mini project
    - Content beyond syllabus in theory and practical courses

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)

Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

S.No	Member's Name	Signature
1)	Dr.D.Valavan– Principal SCE	
2)	Dr. Raghuveer V R	
3)	Mr. Prakash Raghupathy	
4)	Mr.Bharathan J	
5)	Ms. Devi M.S	
6)	Dr.M.Veeramanikandan	
7)	Mr. Karthikeyan M.N	
8)	Dr. S. A. Sahaaya Arul Mary	
9)	Dr.S.Mohana	
10)	Dr.PL.Rajarajeswari	
11)	Mr. S. Venkatasubramanian	
12)	Ms. R. Thillaikarasi	– A –
13)	Mr.K.S.Chandrasekaran	
14)	Dr.R.SenthamilSelvi	
15)	Mr. T. Sathis Kumar	
16)	Ms. K. Mohanappriya	
17)	Ms. J. SathiaParkavi	
18)	Mr.A.T.BaraniVijaya kumar	
19)	Mr. R. Mohan kumar	
20)	Mr. P. Dinesh kumar	
21)	Mr. D. Boobala Muralitharan	
22)	Mr.S.Arif	
23)	Mr.Y.Basheer Ahamed	
24)	Mr.S.P.Sanjay	

HOD-CSE

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)
Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

06.01.2022

Submitted to the Principal:

The Program Advisory Committee (PAC) meeting has been conducted on 07.07.2021 to strengthen the CO-PO and CO-PSO attainment.Based on the suggestions given by the committee, the following programmes were organised by the department.

1. Events conducted during 2021-2022

S.No	Name of the Program	Duration
1)	AI &ML	3 months
2)	Django	3 months
3)	Data Structures	3 months
4)	MERN	3 months
5)	Javascript	3 months
6)	React-Native	3 months

2. Content beyond the syllabus in theory and practical courses have been added.
3.The recent trends and technological improvements in the fields related to the corresponding courses are explained to the students by the faculty members.

HOD-CSE

Copy to:

1. Principal
2. All PAC Members

SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPPALLI
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S.No	Academic Year	Subject	Discrepancy in Mapping	Pos Strengthened / Vacant Filled	Content Beyond the Syllabus
1	2021 - 2022	Multicore Architecture and Programming	CO5-PO6	PO6 Strengthened	Barnes Hut Algorithm
		Digital Principles and System Design	CO6-PO5	PO5 Strengthened	Digital Logic Circuit Modeling and Simulation with Multisim

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : ECE Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				15.0	15.0	8.0	12.0	12.0	12.0	4.0	6.0	8.0	8.0	100
1	sivagamasundhari-ece	ECE-A/2	54	EC3251/Circuit Analysis	13.33	13.33	6.87	10.31	9.91	10.67	3.51	5.38	7.05	7.17	87.54
2	shanmugapriya-ece	ECE-A/4	47	EC8451/Electromagnetic Fields	13.09	12.96	6.71	9.86	9.60	10.11	3.32	5.06	6.74	6.84	84.27
3	padmaa-ece	ECE-A/4	47	EC8452/Electronic Circuits Ii	12.70	12.64	6.64	9.86	9.75	9.91	3.29	4.77	6.67	6.50	82.73
4	salaigayathri-ece	ECE-A/4	47	EC8453/Linear Integrated Circuits	12.51	12.45	6.88	9.80	9.75	9.65	3.30	5.00	6.54	6.64	82.52
5	sivakannu-ece	ECE-A/4	47	EC8491/Communication Theory	13.66	13.72	7.05	10.52	10.42	10.42	3.42	5.21	6.94	7.05	88.40
6	anthuvanlydia-ece	ECE-A/6	71	EC8002/Multimedia Compression And Communication	12.55	12.38	6.17	9.94	9.97	9.77	3.23	5.00	6.51	6.65	82.18
7	vennila-ece	ECE-A/6	65	EC8095/Vlsi Design	12.88	12.74	6.72	9.71	9.56	9.82	3.35	5.08	6.65	6.03	82.53
8	shanmugapriya-ece	ECE-A/6	68	EC8651/Transmission Lines And Rf Systems	12.62	12.09	6.47	9.28	9.00	9.71	3.19	4.91	6.73	6.52	80.51
9	kiruthiga-ece	ECE-A/6	63	EC8652/Wireless Communication	11.76	11.81	5.94	8.80	8.91	9.10	2.87	4.57	6.27	5.97	76.02
10	malaisamy-ece	ECE-A/6	75	EC8691/Microprocessors And Microcontrollers	10.24	9.64	5.14	7.65	7.71	7.94	2.58	3.87	4.97	5.61	65.35
11	rajeswaris-ece	ECE-A/8	52	GE8076/Professional Ethics In Engineering	13.04	12.92	6.74	10.15	10.38	10.11	3.45	5.19	6.86	6.80	85.65
12	shamimbanu-ece	ECE-B/2	54	EC3251/Circuit Analysis	14.39	14.11	7.50	11.47	10.67	11.29	3.85	5.78	7.70	7.53	94.28
13	mohan-ece	ECE-B/4	46	EC8451/Electromagnetic Fields	12.46	12.65	6.57	10.07	9.81	10.17	3.50	4.88	6.37	6.96	83.43
14	barithabegum-ece	ECE-B/4	44	EC8452/Electronic Circuits Ii	13.16	13.02	6.91	10.36	10.20	10.64	3.53	5.35	6.95	6.91	87.02
15	sivakannu-ece	ECE-B/4	44	EC8453/Linear Integrated Circuits	13.77	13.84	7.27	10.69	10.85	10.96	3.62	5.45	7.35	7.27	91.09
16	arunmozhi-ece	ECE-B/4	46	EC8491/Communication Theory	12.07	11.74	6.23	9.18	9.18	9.44	3.08	4.62	6.33	6.16	78.02
17	padmaa-ece	ECE-B/6	60	CS8792/Cryptography And Network Security	13.20	13.25	6.61	10.64	10.52	10.60	3.56	5.28	7.15	7.17	87.98
18	santhim	ECE-B/6	62	EC8095/Vlsi Design	13.06	13.02	6.99	10.30	9.99	10.10	3.37	5.13	6.61	6.35	84.91
19	barithabegum-ece	ECE-B/6	59	EC8651/Transmission Lines And Rf Systems	13.42	12.92	7.02	10.45	9.88	10.17	3.43	5.31	7.02	6.97	86.60
20	mahendran-ece	ECE-B/6	63	EC8652/Wireless Communication	13.00	12.90	7.26	10.40	10.44	10.63	3.52	5.30	7.11	6.98	87.54
21	vennila-ece	ECE-B/6	57	EC8691/Microprocessors And Microcontrollers	13.16	13.21	6.96	10.44	10.27	10.11	3.48	5.22	6.91	6.74	86.49
22	rajeswaris-ece	ECE-B/8	41	GE8076/Professional Ethics In Engineering	12.59	12.29	6.44	9.66	9.60	9.42	3.16	4.92	6.52	6.52	81.11
23	hariprasath-ece	EEE-A/4	59	EE8451/Linear Integrated Circuits And Applications	10.83	10.53	5.45	8.18	8.09	8.42	2.73	4.41	5.59	5.80	70.03
24	mahendran-ece	ICE-A/4	28	EC8395/Communicationengineering	13.71	13.61	7.09	10.63	10.54	10.80	3.49	5.40	7.03	7.09	89.38

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : ECE Month&Year: 1ST FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. particl pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				15.0	15.0	8.0	12.0	12.0	12.0	4.0	6.0	8.0	8.0	100
1	vaishanavi-ece	CSE-A/3	44	EC8395/Communication Engineering	13.57	13.23	6.65	10.15	9.71	10.58	3.49	5.45	7.31	7.05	87.20
2	koushick-ece	CSE-A/5	28	EC8691/Microprocessors And Microcontrollers	13.50	13.61	7.14	10.71	10.46	10.63	3.63	5.49	7.26	7.43	89.85
3	mahendran-ece	CSE-B/3	52	EC8395/Communication Engineering	12.69	12.35	6.55	9.37	9.51	9.74	3.18	5.08	6.58	6.58	81.64
4	anthuvanlydia-ece	CSE-B/5	41	EC8691/Microprocessors And Microcontrollers	13.68	13.39	6.87	10.71	10.42	10.54	3.57	5.39	7.22	6.87	88.65
5	hariprasath-ece	ECE-A/3	45	EC8351/Electronic Circuits- I	13.73	13.67	6.68	10.51	9.92	10.51	3.41	5.41	7.11	7.43	88.39
6	shamimbanu-ece	ECE-A/3	43	EC8352/Signals And Systems	13.26	13.12	7.00	10.72	10.21	10.49	3.48	5.30	6.96	6.77	87.30
7	vennila-ece	ECE-A/3	43	EC8391/Control Systems Engineering	13.53	13.26	6.81	9.93	9.93	10.16	3.39	5.30	7.18	6.47	85.97
8	sivagamasundhari-ece	ECE-A/3	43	EC8392/Digital Electronics	14.02	13.88	7.14	10.66	10.16	10.88	3.55	5.30	7.03	7.33	89.97
9	barithabegum-ece	ECE-A/5	40	EC8073/Medical Electronics	13.50	13.50	7.16	10.98	10.62	10.74	3.68	5.46	7.16	7.00	89.80
10	mohan-ece	ECE-A/5	59	EC8501/Digital Communication	13.32	13.32	6.62	10.62	10.41	10.74	3.48	4.92	6.67	7.02	87.13
11	arunmozhi-ece	ECE-A/5	44	EC8551/Communication Networks	13.57	13.64	6.98	10.42	10.53	10.53	3.51	5.43	7.09	7.16	88.85
12	shanmugapriya-ece	ECE-A/5	43	EC8553/Discrete-Time Signal Processing	13.19	13.26	6.92	9.99	9.66	10.16	3.35	4.97	7.00	6.77	85.25
13	ramyav-ece	ECE-A/5	41	OTL552/Digital Audio Engineering	13.24	12.80	6.91	10.42	10.01	10.07	3.51	5.21	6.95	6.99	86.11
14	vennila-ece	ECE-A/7	57	EC8071/Cognitive Radio	12.42	12.11	6.51	9.60	9.47	9.94	3.33	4.88	6.46	6.62	81.34
15	mohan-ece	ECE-A/7	55	EC8701/Antennas And Microwave Engineering	12.27	12.16	6.49	9.64	9.77	9.91	3.27	4.87	6.52	6.84	81.74
16	rajeswaris-ece	ECE-A/7	56	EC8702/Ad Hoc And Wireless Sensor Networks	12.16	11.79	6.17	9.34	9.47	9.34	3.13	4.67	6.34	6.51	78.93
17	malaisamy-ece	ECE-A/7	57	EC8751/Optical Communication	11.74	11.68	6.37	9.26	9.18	8.97	3.20	4.53	6.34	6.09	77.36
18	sivagamasundhari-ece	ECE-A/7	53	EC8791/Embedded And Real Time Systems	12.34	12.45	6.58	9.69	9.51	9.83	3.25	4.98	6.61	6.40	81.64
19	koushick-ece	ECE-A/7	54	OIC751/Transducer Engineering	12.72	12.61	6.46	9.64	9.78	9.69	3.26	4.98	6.52	6.81	82.47
20	barithabegum-ece	ECE-B/3	43	EC8351/Electronic Circuits- I	12.91	12.49	6.55	9.99	9.49	9.71	3.33	5.02	6.81	6.59	82.88
21	sivakannu-ece	ECE-B/3	45	EC8352/Signals And Systems	13.00	12.93	6.61	10.03	10.19	10.24	3.41	5.09	6.83	6.79	85.12
22	eindhumathy-ece	ECE-B/3	47	EC8391/Control Systems Engineering	12.77	12.32	6.30	9.70	9.60	9.65	3.30	4.90	6.54	6.37	81.44
23	santhim	ECE-B/3	41	EC8392/Digital Electronics	12.95	12.66	6.56	9.89	10.01	10.13	3.34	5.00	6.63	6.56	83.73
24	anthuvanlydia-ece	ECE-B/5	51	EC8073/Medical Electronics	13.47	13.18	7.06	10.26	10.31	10.54	3.50	5.34	7.25	7.00	87.89
25	rajeswaris-ece	ECE-B/5	56	EC8501/Digital Communication	13.88	13.77	7.20	10.84	10.89	10.93	3.60	5.46	7.26	7.57	91.39
26	mahendran-ece	ECE-B/5	53	EC8551/Communication Networks	13.58	13.30	7.28	10.51	10.32	10.32	3.49	5.28	7.15	6.88	88.12
27	padmaa-ece	ECE-B/5	54	EC8553/Discrete-Time Signal Processing	13.67	13.83	7.05	10.71	11.02	10.84	3.57	5.51	7.17	7.41	90.79
28	ramyav-ece	ECE-	50	OTL552/Digital Audio	13.08	12.90	7.01	10.18	9.89	10.27	3.41	5.26	6.88	6.98	85.84

		B/5		Engineering											
29	sivakannu-ece	ECE-B/7	56	EC8071/Cognitive Radio	12.80	12.64	6.74	9.94	9.90	9.99	3.34	4.95	6.69	6.80	83.80
30	shanmugapriya-ece	ECE-B/7	54	EC8701/Antennas And Microwave Engineering	12.94	12.67	6.64	9.91	9.42	9.64	3.27	5.00	6.61	6.58	82.69
31	arunmozhi-ece	ECE-B/7	46	EC8702/Ad Hoc And Wireless Sensor Networks	12.52	12.52	6.40	9.81	9.60	9.65	3.23	4.96	6.61	6.71	82.02
32	shamimbanu-ece	ECE-B/7	53	EC8751/Optical Communication	12.51	12.40	6.46	9.78	9.42	9.37	3.26	4.75	6.52	6.55	81.03
33	eindhumathy-ece	ECE-B/7	54	EC8791/Embedded And Real Time Systems	12.67	12.44	6.55	10.00	9.60	9.60	3.29	5.04	6.64	6.64	82.47
34	padmaa-ece	ECE-B/7	52	OIC751/Transducer Engineering	12.46	12.69	6.37	9.83	9.51	9.51	3.29	4.98	6.49	6.80	81.94
35	malaisamy-ece	ICE-A/5	41	EE8551/Microprocessors And Microcontrollers	13.02	12.95	6.87	10.36	9.37	10.01	3.36	5.39	6.99	6.79	85.10
36	hariprasath-ece	ICE-A/7	42	EC8093/Digital Image Processing	13.07	12.93	6.82	10.06	9.89	10.11	3.37	5.11	6.93	6.90	85.19
37	ramyav-ece	IT-A/3	44	CS8351/Digital Principles And System Design	13.57	13.16	7.05	9.98	9.93	10.20	3.40	5.35	6.98	6.98	86.60
38	hariprasath-ece	IT-A/3	43	EC8394/Analog And Digital Communication	13.33	12.91	6.88	10.44	10.27	10.55	3.50	5.25	7.14	6.96	87.22
39	vaishanavi-ece	IT-A/5	45	EC8691/Microprocessors And Microcontrollers	9.73	9.20	4.96	6.93	6.51	6.77	2.38	3.81	5.16	4.98	60.45



Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : ECE Month&Year: 2ND FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. particl pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				15.0	15.0	8.0	12.0	12.0	12.0	4.0	6.0	8.0	8.0	100
1	vaishanavi-ece	CSE-A/3	57	EC8395/Communication Engineering	14.74	14.47	6.74	10.23	9.81	10.23	3.47	5.41	7.30	6.91	89.30
2	koushick-ece	CSE-A/5	31	EC8691/Microprocessors And Microcontrollers	14.81	14.90	7.33	11.07	10.84	11.30	3.77	5.69	7.33	7.59	94.63
3	mahendran-ece	CSE-B/3	55	EC8395/Communication Engineering	14.13	13.96	6.66	9.03	9.03	9.21	3.17	4.80	6.55	6.43	82.97
4	anthuvanlydia-ece	CSE-B/5	52	EC8691/Microprocessors And Microcontrollers	14.83	14.71	6.92	10.75	10.38	10.66	3.57	5.45	7.26	6.83	91.37
5	hariprasath-ece	ECE-A/3	45	EC8351/Electronic Circuits- I	14.73	14.80	6.68	10.51	9.92	10.51	3.41	5.41	7.11	7.43	90.52
6	shamimbanu-ece	ECE-A/3	43	EC8352/Signals And Systems	14.58	14.58	7.11	10.83	10.38	10.60	3.53	5.36	7.07	6.77	90.82
7	vennila-ece	ECE-A/3	43	EC8391/Control Systems Engineering	14.72	14.58	6.81	9.93	9.93	10.16	3.39	5.30	7.18	6.47	88.48
8	sivagamasundhari-ece	ECE-A/3	43	EC8392/Digital Electronics	14.79	14.72	7.14	10.66	10.16	10.88	3.55	5.30	7.03	7.33	91.58
9	barithabegum-ece	ECE-A/5	17	EC8073/Medical Electronics	14.29	14.47	6.87	10.02	10.45	10.45	3.58	5.36	7.15	6.87	89.52
10	mohan-ece	ECE-A/5	25	EC8501/Digital Communication	14.16	14.16	6.66	9.89	9.89	10.56	3.33	5.18	6.34	7.10	87.26
11	arunmozhi-ece	ECE-A/5	16	EC8551/Communication Networks	14.44	14.44	6.70	10.20	9.90	10.05	3.45	5.25	6.70	6.80	87.93
12	shanmugapriya-ece	ECE-A/5	19	EC8553/Discrete-Time Signal Processing	14.37	14.37	6.99	10.11	10.36	10.23	3.41	5.18	6.82	6.82	88.65
13	ramyav-ece	ECE-A/5	16	OTL552/Digital Audio Engineering	14.62	14.44	6.80	9.90	9.90	9.75	3.35	5.18	6.90	6.90	87.74
14	vennila-ece	ECE-A/7	51	EC8071/Cognitive Radio	14.29	14.41	6.84	10.21	10.16	9.93	3.44	5.04	6.78	6.87	87.97
15	mohan-ece	ECE-A/7	50	EC8701/Antennas And Microwave Engineering	13.98	14.28	6.40	9.55	9.84	9.31	3.09	4.85	6.21	6.82	84.32
16	rajeswaris-ece	ECE-A/7	52	EC8702/Ad Hoc And Wireless Sensor Networks	14.08	14.08	6.22	9.23	9.74	9.55	3.22	4.85	6.43	6.49	83.88
17	malaisamy-ece	ECE-A/7	51	EC8751/Optical Communication	13.94	13.88	6.40	9.46	9.41	9.32	3.22	4.78	6.40	6.27	83.08
18	sivagamasundhari-ece	ECE-A/7	50	EC8791/Embedded And Real Time Systems	14.10	14.28	6.18	9.36	9.31	9.60	3.20	4.70	6.50	6.56	83.79
19	koushick-ece	ECE-A/7	48	OIC751/Transducer Engineering	14.31	14.31	6.47	10.05	9.85	9.70	3.28	4.95	6.50	6.67	86.09
20	barithabegum-ece	ECE-B/3	28	EC8351/Electronic Circuits- I	14.14	14.14	6.34	10.03	9.51	9.69	3.31	5.06	6.80	6.74	85.77
21	sivakannu-ece	ECE-B/3	26	EC8352/Signals And Systems	14.31	14.31	6.83	10.52	10.34	10.34	3.38	5.26	7.02	6.95	89.26
22	elridhumathy-ece	ECE-B/3	28	EC8391/Control Systems Engineering	13.71	13.93	6.29	9.60	9.43	9.34	3.23	4.89	6.51	6.46	83.39
23	saritham	ECE-B/3	28	EC8392/Digital Electronics	14.04	13.82	6.40	9.86	9.51	9.51	3.31	4.80	6.40	6.46	84.11
24	anthuvanlydia-ece	ECE-B/5	13	EC8073/Medical Electronics	14.54	14.54	7.14	10.52	10.15	10.71	3.51	5.26	7.02	7.14	90.52
25	rajeswaris-ece	ECE-B/5	12	EC8501/Digital Communication	15.00	15.00	7.07	11.00	10.80	10.60	3.60	5.40	7.20	7.47	93.13
26	mahendran-ece	ECE-B/5	13	EC8551/Communication Networks	14.77	15.00	7.38	10.34	10.52	10.71	3.57	5.35	7.02	7.14	91.80
27	padmaa-ece	ECE-B/5	13	EC8553/Discrete-Time Signal Processing	15.00	15.00	7.26	11.26	11.26	11.08	3.69	5.54	7.38	7.75	95.23
28	ramyav-ece	ECE-	13	OTL552/Digital Audio	14.77	14.31	7.26	10.52	10.52	10.71	3.63	5.63	7.38	7.26	92.00

		B/5		Engineering											
29	sivakannu-ece	ECE-B/7	19	EC8071/Cognitive Radio	14.68	14.37	6.91	10.61	10.23	10.36	3.33	5.05	6.99	6.82	89.35
30	shanmugapriya-ece	ECE-B/7	21	EC8701/Antennas And Microwave Engineering	14.43	14.57	6.48	10.06	9.94	10.17	3.35	4.97	6.70	6.93	87.61
31	arunmozhi-ece	ECE-B/7	21	EC8702/Ad Hoc And Wireless Sensor Networks	14.57	14.43	6.48	9.83	10.40	10.29	3.39	5.14	6.78	6.78	88.09
32	shamimbanu-ece	ECE-B/7	20	EC8751/Optical Communication	14.70	14.70	6.48	10.44	9.84	10.20	3.40	4.92	6.64	6.72	88.04
33	eindhumathy-ece	ECE-B/7	20	EC8791/Embedded And Real Time Systems	14.70	14.40	6.64	10.20	9.84	10.20	3.44	5.10	6.80	6.88	88.20
34	padmaa-ece	ECE-B/7	19	OIC751/Transducer Engineering	14.68	14.68	6.82	10.11	10.11	10.74	3.33	5.12	6.82	6.74	89.14
35	malaisamy-ece	ICE-A/5	40	EE8551/Microprocessors And Microcontrollers	13.95	13.88	6.68	10.14	9.42	9.66	3.26	5.16	6.84	6.96	85.94
36	hariprasath-ece	ICE-A/7	41	EC8093/Digital Image Processing	14.20	14.05	6.40	9.60	9.31	9.72	3.20	4.83	6.48	6.52	84.29
37	ramyav-ece	IT-A/3	18	CS8351/Digital Principles And System Design	15.00	14.83	7.47	11.20	10.53	10.93	3.47	5.60	7.47	7.38	93.88
38	hariprasath-ece	IT-A/3	17	EC8394/Analog And Digital Communication	14.82	14.82	6.49	9.60	9.18	9.88	3.15	5.15	7.25	7.25	87.60
39	vaishanavi-ece	IT-A/5	16	EC8691/Microprocessors And Microcontrollers	14.06	14.25	6.00	9.45	8.55	9.60	3.10	5.03	6.40	6.80	83.24



SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty Feedback Report of ECE Department 25-05-2022
Academic Year 2021-2022
EVEN Semester

Members: HOD/ECE, Faculty Members of ECE

Venue : Microwave Lab

Time : 11.00 P.M – 12.00 P.M

The meeting was convened by the HOD with the faculty Members.

The following points were discussed in the meeting.

Staff members were advised to prepare well, have clarity in the concepts by referring standard books, discussing with the subject experts in our department, interact with the students, provide related additional input to the students.

S.NO	NAME	YEAR/SEC	SUBJECT NAME	PERCENTAGE
1	Mr.K.Malaisamy	ECE-A/6	EC8691-Microprocessor and Microcontroller	65.35
2	Ms.S.Kiruthiga	ECE-A/6	EC8652-Wireless Communication	76.02
3	Dr.S.A.Arunmozhi	ECE-B/4	EC8491-Communication Theory	78.02

HOD/ECE

PRINCIPAL

SARANATHAN COLLEGE OF ENGINEERING, TRICHY-12

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Faculty Feedback Report of ECE Department 26-11-2021
Academic Year 2021-2022
Odd Semester

Members: HOD/ECE, Faculty Members of ECE

Venue : Microwave Lab

Time : 12.00 P.M – 1.00 P.M

The meeting was convened by the HOD with the faculty Members.

The following points were discussed in the meeting.

Staff Members were motivated to be impartial towards students, provide additional information related to the subject and to have steady pace in syllabus coverage.

S.NO	NAME	YEAR/SEC	SUBJECT NAME	PERCENTAGE
1	Mr.K.Malaisamy	ECE-A/7	EC8751-Optical Communication	77.36
2	Dr.S.Rajeswari	ECE-A/7	EC8702-Adhoc and Wireless Sensor Networks	78.93

PRINCIPAL

HOD / ECE

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF ECE
CIRCULAR

7.5.22

First class committee meeting for VI semester ECE will be held on 9.5.22 between 12.45 pm and 1.15 pm at Microprocessor lab. The committee members are requested to attend the meeting.

AGENDA

1. Discussion about attendance performance of the students
2. Discussion about the performance of the students in IA test 1
3. Discussion about the availability of books in library
4. Any Other issues of concern for the students.

CLASS COMMITTEE MEMBERS

STAFF MEMBERS

1. Dr. M.Santhi
2. Dr. C.Vennila
3. Dr. M. Padmaa
4. Dr. P.ShanmugaPriya
5. Dr. M.Barithabegum
6. Mr. . K. Malaisamy
7. Mr.M.Mahendran
8. Ms. Anthuvan Lydia
9. Ms.J.Eindhumathy
10. Ms.S.Kiruthiga
11. Mr.K.Arunprasad
12. Mr. J.Navaneethakrishnan
13. Mr.C.Gnanadesikan
14. Dr.V.Tamilselvi
15. Ms.A.Shamimbanu

STUDENT MEMBERS

1 kawsika. S (222053)
2 harithaa. S (222034)
3 kaarthikeyan. E (222047)
4 jeffrey alan. A (222043)
5 sarulatha. S (222092)
6. Vasunthara. K (222117)
7. Mohamed musaraf. T.(222067)
8. Manoj kumar. M (222064)

S.A. Ar 7/5/22

Class Committee Chairperson

(Dr.S.A.ARUNMOZHI/ECE)

CCTo:
1. The principal for kind information
2. HOD/ECE
3. For circulation among the committee members
4. Class Committee meetings file

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SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF ECE
CIRCULAR

07.05.22

First class committee meeting for IV semester ECE will be held on 10.05.2022 between 12.35 pm and 1.00 pm at Microprocessor lab. The committee members are requested to attend the meeting.

AGENDA

1. Discussion about attendance performance of the students
2. Discussion about the performance of the students in IA test
3. Discussion about the availability of books in library
4. Any Other issues of concern for the students.

CLASS COMMITTEE MEMBERS

STAFF MEMBERS

1 Dr.M.Padmaa
2. Dr.S.A.Arunmozhi
3. Dr.S.Rajeswari
4. Dr.P.Shanmugapriya
5. Dr.V.Mohan
6. Dr.M.Baritha begum
7. Mr.S.Hariprasad
8. P.Sivagamasundari
9. Mr.G.Sivakannu
10. Mr.B.Balaprasad
11. Mr.G.Sivakannu
12. Mr.M.Mahendran
13. Mr.S.Hariprasad
14. Dr.V.Balamurugan
15. Dr.S.Sivamani
16. Dr..S.Arunkumar
17. Ms.M.SalaiGayathri

STUDENT MEMBERS

1. Muhilan. S (232043)
2. Alagammai. E(232004) Alagammai
3. Harani. M (232020)
4. Parthiban. B(232052)
5. Vishvamaharaja. P(232104)M P.Vishv
6. Vaanmarai. S(232098) S.Vaanmarai
7. Sriram Prasath. T(232085)
8. Shruthika. S(232078) S.Shruthika.

Class Committee Chairperson

(Dr.C.VENNILA/ECE)

CC to:
1. The principal for kind information
2. HOD/ECE
3. For circulation among the committee members
4. Class Committee meetings file

Scanned by CamScanner

Date : 23/12/2021

To

Dr.B.Madhan Mohan

Project Leader,

Jasmin Info Tech,

Pallikaranai,

Chennai, Tamil Nadu 600100.

Dear Sir/Madam,

Sub: Invitation to attend Program Advisory committee (online) meeting-Reg.

Greetings from Saranathan College of Engineering – Department of ECE !!!

We are in the process of collecting the views/suggestions/feedback for CO-PO and CO-PSO attainment of 2017-2021 batch of ECE program.

In order to enhance the knowledge of young budding Engineers to meet the competitive world requirements, the program of Electronics and communication Engineering is pleased to invite you to attend Program Advisory Committee (PAC) meeting to discuss about the CO-PO and CO-PSO attainment of 2017-2021 batch of ECE graduates and actions to be taken for the forthcoming batches to attain POs and PSOs.

The PAC meeting is scheduled on

Date & Day : 31/12/2021 & Friday

Time : 10:00 PM

Venue : ECE Seminar Hall – Online mode

In this connection, we request you to accept our invitation to attend PAC meeting and contribute your valuable views and suggestions.

We are looking forward for your presence at our institution and kindly acknowledge your presence and travel plan to Dr.V.Mohan, Associate Professor/ECE over mobile phone number 9994338212.

Thanking you,

23/12/2021 HOD/ECE

Tiruchirappalli

Date 23/12/2021

To

Dr.D.Sriramkumar,

Professor& Head,

Department of ECE,

NIT,

Trichy.

Dear Sir/Madam,

Sub: Invitation to attend Program Advisory committee (online) meeting-Reg.

Greetings from Saranathan College of Engineering – Department of ECE !!!

We are in the process of collecting the views/suggestions/feedback for CO-PO and CO-PSO attainment of 2017-2021 batch of ECE program.

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Thanking you,

23/12/2021 HOD/ECE

Tiruchirappalli

Program Advisory Committee Meeting

AGENDA

Venue: ECE Seminar Hall Date: 31/12/2021

10.00 AM – 10.10 AM : Welcome address by HOD

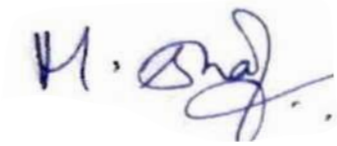
10.10 AM – 10.20 AM : Presidential Address by Principal

10.20 AM – 10.30 AM : Introduction of PAC members by program coordinator

10.30 AM – 11.30 AM : (i) Discussion about the POs and PSOs attainments 2014-2018, 2015-2019, 2016-2020 and 2017-2021 batch of ECE graduates.

(ii) Discussion about actions to be taken for the forthcoming academic year to attain POs and PSOs through value added programs.

12.15PM – 12.30PM : Summarizing the points and Vote of thanks by program Coordinator.



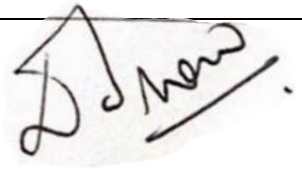
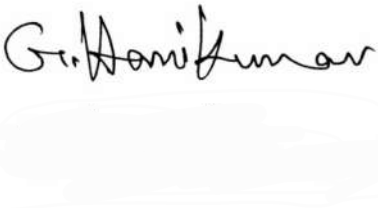
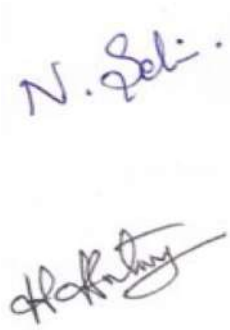
Ref: SCE/ECE/PAC meeting/Minutes/2020-2021 31/12/2021

Minutes of the PAC meeting

- Due to COVID-19 pandemic, Anna University results for the April/May 2021 examination were declared during November 2021. Hence, PAC meeting was convened during December 2021 to analyze the CO-PO attainment of 2017-2021 batch.
- Program Advisory Committee meeting with all stakeholders to finalize the statements of Vision, Mission, PEOs, PSOs and POs of the Department of ECE was held on 31/12/2021 Wednesday at 10:00AM through online mode.

- Following is the List of PAC members invited to attend:

SNo	Stakeholder	Name and Designation	Signature
1.	Head of the Institution/Management Representative	Dr.D.Valavan, Principal	PRINCIPAL Saranathan College of Engineering TRICHY - 12.
2.	Head, Training & Placement Cell	Dr.S.M.Girirajkumar	
2.	Head of the Department	Dr.M.Santhi, Professor & Head	
3.	Expert from Industry	Dr.P.MadhanMohan, Project Leader, Jasmine Infotech, Chennai.	
4.	Expert from Research Organization	Dr.Kevin A R K Kumar, Deputy Manager (M&S), BHEL, Trichy. Er.Muhammad Ehsan R, Senior Engineer(M&S), BHEL , Trichy	Dr. KEVIN ARK KUMAR Deputy Manager Maintenance & Services BHEL, TRICHY - 620 014 R. MUHAMMAD EHSAN Senior Engineer Maintenance & Services BHEL, TRICHY - 620 014.

5.	Expert from Professional Bodies	Dr.G.Lakshmi Narayanan, Professor, Dept. of ECE,NIT, Trichy	
6.	Eminent Academician	Dr.D.Sriramkumar, Professor, Dept of ECE, NIT, Trichy	
7.	Student Representatives	Varun Bhaaskar A.M.Joe Antanie	
8.	Alumni	Er.Hari kumar, Senior Project Engineer, e-con Systems,Chennai. hari.g94@gmail.com mobile:8098484299 Er.Gopinathan Subramaninan Co Founder & CTO, Cinnovator Technologies,Trichy gs@cinnovator.com	
9.	Parents	Mrs.Lakshmi S LIC of India S2,Kannika saral apts, salai road,Srirangam,Trichy Mobile:7598440539 Mr.Antony Manohar SM Teacher Flat no.D1,Jai shri flats,mahalakshmi nagar,old palpannai,trichy Mobile:6383566101	

- HOD briefed about the progress of the Department, Statements of Vision, Mission, PEOs, POs and PSOs.
- Principal delivered the presidential address to the stakeholders and publicized the Vision and Mission of the Institute.
- Program Coordinator (PC) introduced the committee members of the program Advisory Committee (PAC) of ECE program.
- PC projected the POs and PSOs attainment for 2016-2021 batch graduates of ECE to the PAC members. The actions to be taken for the improvement of POs and PSOs attainment for the forthcoming academic year are also projected.
- **PO PSO ATTAINMENT FOR 2014-2018 BATCH**

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
TARGET	**2.32**	**1.98**	**1.71**	**1.36**	**1.16**	**1.29**	**1.58**	**1.08**	**1.59**	**1.54**	**1.31**	**1.48**	**1.75**	**2.02**
ATTAINED	1.49	1.35	1.19	1.09	1.01	1.01	1.06	1.08	1.40	1.29	1.16	1.20	1.22	1.34

- **PO PSO ATTAINMENT FOR 2015-2019 BATCH**

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
TARGET	**2.28**	**2.00**	**1.73**	**1.34**	**1.21**	**1.22**	**1.46**	**1.03**	**1.51**	**1.47**	**1.32**	**1.34**	**1.86**	**1.92**
ATTAINED	1.21	1.07	0.91	0.74	0.69	0.64	0.69	0.66	1.03	0.98	0.85	0.80	0.95	0.97

- **PO PSO ATTAINMENT FOR 2016-2020 BATCH**

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
TARGET	**2.27**	**2.01**	**1.74**	**1.36**	**1.26**	**1.39**	**1.53**	**1.04**	**1.46**	**1.47**	**1.32**	**1.38**	**1.84**	**1.87**
ATTAINED	1.28	1.13	0.99	0.82	0.72	0.74	0.66	0.59	1.12	1.05	0.90	0.86	0.98	1.02

- **PO PSO ATTAINMENT FOR 2017-2021 BATCH**

COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
TARGET	**2.36**	**2.16**	**1.89**	**1.53**	**1.38**	**1.37**	**1.32**	**1.07**	**1.47**	**1.57**	**1.43**	**1.58**	**1.82**	**1.86**
ATTAINED	1.29	1.19	1.05	0.90	0.82	0.82	0.80	0.65	0.86	0.90	0.91	0.90	1.01	0.99

Following are the views congregated from the stake holders regarding the actions to be taken for the forthcoming academic year to attain POs and PSOs through VACs.

The members of PAC suggested and approved to take the following measures to strengthen the POs and PSOs attainment for the forth coming academic year of ECE program.

- Hands on training in recent technologies and tools such as CST Microwave studio and ADS for the design of Antennas and Microwave, RF circuits could be conducted to enhance the knowledge of students in recent technologies and motivate them to work in the core areas of their specialization.
- Value Added Courses (VACs) on Programming using Verilog could be organized to fill the curriculum gaps.
- Software and Hardware design contests with mini project exhibitions could be planned for the enhancement of self-learning ability of the students.
- Guest lectures could be organized to create importance of various budding technologies and its scope in future.

Cc to:

1. The Principal
2. The Dept. circular File (For circulation among faculty members)



FeedBack Report : EEE Month&Year: 1ST FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	pearline-eee	EEE-A/3	42	EC8353/Electron Devices And Circuits	12.86	12.71	6.70	9.37	9.49	9.83	3.39	4.97	6.63	6.82	82.77
2	rameshbabu-eee	EEE-A/3	45	EE8301/Electrical Machines - I	13.47	13.40	7.04	10.56	10.61	10.40	3.45	5.09	6.86	7.00	87.89
3	vijayalakshmi-eee	EEE-A/3	46	EE8351/Digital Logic Circuits	12.98	12.59	6.47	9.86	9.03	9.76	3.29	5.06	6.50	6.43	81.97
4	gayathri-eee	EEE-A/3	44	EE8391/Electromagnetic Theory	13.43	13.09	6.87	10.80	10.96	10.31	3.51	5.26	6.98	6.95	88.17
5	krishnakumar-eee	EEE-A/3	42	ME8792/Power Plant Engineering	13.29	12.93	6.97	10.86	10.91	10.51	3.45	5.11	6.78	7.16	87.98
6	suganyadevi-eee	EEE-A/5	25	EE8501/Power System Analysis	13.08	12.96	7.10	10.75	10.75	10.85	3.49	5.47	7.10	6.85	88.41
7	marimuthu-eee	EEE-A/5	26	EE8551/Microprocessors And Microcontrollers	13.27	12.69	6.95	10.34	10.43	10.43	3.54	5.03	6.95	6.89	86.53
8	balasubramanian-eee	EEE-A/5	26	EE8552/Power Electronics	13.62	13.50	7.26	10.80	9.97	10.52	3.54	5.35	6.83	7.32	88.72
9	ramprakash-eee	EEE-A/5	25	EE8591/Digital Signal Processing	13.08	12.96	6.78	10.46	10.08	10.46	3.46	5.18	7.04	6.98	86.49
10	venugopal-eee	EEE-A/5	27	OMD551/Basics Of Biomedical Instrumentation	13.22	13.11	7.05	10.67	10.67	10.40	3.67	5.20	6.99	6.70	87.68
11	sridhar-eee	EEE-A/7	29	EE8010/Power Systems Transients	12.83	12.83	6.62	10.26	10.10	10.34	3.37	5.13	6.62	7.01	85.10
12	rajkumar-eee	EEE-A/7	28	EE8701/High Voltage Engineering	13.39	13.18	7.14	10.29	10.37	10.71	3.49	5.36	7.09	7.14	88.16
13	suganyadevi-eee	EEE-	30	EE8702/Power System	13.30	13.20	7.09	10.56	10.56	10.80	3.52	5.40	7.04	7.04	88.51

		A/7		Operation And Control										
14	ramprasath-eee	EEE-A/7	29	EE8703/Renewable Energy Systems	13.55	13.66	7.17	10.92	10.59	11.09	3.59	5.38	7.28	7.17	90.41
15	marimuthu-eee	EEE-A/7	25	EI8075/Fibre Optics And Laser Instruments	12.36	12.48	6.59	10.18	9.60	10.46	3.39	5.23	6.78	6.66	83.74
16	rajkumar-eee	EEE-B/5	18	EE8501/Power System Analysis	12.00	12.00	6.58	8.93	8.93	9.33	3.29	5.07	6.49	5.69	78.31
17	vijayalakshmi-eee	EEE-B/5	20	EE8551/Microprocessors And Microcontrollers	12.75	12.15	6.48	10.08	9.96	10.32	3.40	5.16	6.80	6.96	84.06
18	ramprasath-eee	EEE-B/5	20	EE8552/Power Electronics	12.90	12.90	6.64	9.96	10.08	9.84	3.48	5.10	6.72	6.80	84.42
19	sridhar-eee	EEE-B/5	20	EE8591/Digital Signal Processing	11.70	11.55	6.00	8.64	8.88	9.24	3.16	5.04	6.56	6.64	77.41
20	paranthagan-eee	EEE-B/5	17	OMD551/Basics Of Biomedical Instrumentation	13.06	13.24	6.87	10.31	10.45	10.02	3.34	4.94	6.96	7.15	86.34
21	paranthagan-eee	EEE-B/7	36	EE8010/Power Systems Transients	12.42	12.17	6.62	9.60	9.60	9.73	3.27	4.90	6.71	6.36	81.37
22	vijay-eee	EEE-B/7	35	EE8701/High Voltage Engineering	12.26	12.17	6.31	10.08	9.67	9.67	3.13	4.90	6.58	6.86	81.63
23	satheesh-eee	EEE-B/7	36	EE8702/Power System Operation And Control	13.08	12.92	6.76	9.93	9.80	10.00	3.36	5.07	6.89	6.80	84.60
24	ramprakash-eee	EEE-B/7	36	EE8703/Renewable Energy Systems	12.67	12.58	6.58	10.07	10.20	9.73	3.33	5.07	6.62	6.53	83.38
25	venugopal-eee	EEE-B/7	29	EI8075/Fibre Optics And Laser Instruments	12.00	11.69	6.29	9.02	9.19	9.27	3.17	4.68	6.40	6.34	78.05
26	vigneshwaran-eee	ICE-A/3	27	EC8353/Electron Devices And Circuits	13.22	12.67	6.46	9.96	9.96	9.96	3.38	4.80	6.81	6.40	83.61
27	vigneshwaran-eee	ICE-A/5	39	EI8551/Analytical Instruments	13.08	12.85	6.93	10.28	9.97	9.60	3.51	4.95	6.52	6.69	84.37
28	balasubramanian-eee	MECH-A/3	24	EE8353/Electrical Drives And Controls	13.88	13.25	7.07	9.80	10.40	10.30	3.23	4.90	7.07	7.13	87.03

SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF EEE

ACTION TAKEN REPORT OF 2020-2021-ODD SEMESTER-1ST FEEDBACK

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/ Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Counselling and being Friendly	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Ability to Ensure Steady Pace Coverage of Syllabus	(10) Ability to Speak Loudly and Clearly	Total Out of
Weigtage -->					15	15	8	12	12	12	4	6	8	8	100
1.	rajkumar-eee	EEE-B/5	18	EE8501/Power System Analysis	12.00	12.00	6.58	8.93	8.93	9.33	3.29	5.07	6.49	5.69	78.31
2.	sridhar-eee	EEE-B/5	20	EE8591/Digital Signal Processing	11.70	11.55	6.00	8.64	8.88	9.24	3.16	5.04	6.56	6.64	77.41
3.	venugopal-eee	EEE-B/7	29	EI8075/Fibre Optics And Laser Instruments	12.00	11.69	6.29	9.02	9.19	9.27	3.17	4.68	6.40	6.34	78.05

The above staffs were called for a meeting with HOD at his cabin. They were communicated about their feedback score and were advised to take some measures to improve their performance. They were insisted to do students counselling in a friendly way and were asked to give the real time applications about their subject so as to make the students to be more interactive with utmost interest in the class. Also added that, they should be a little bit louder while teaching and to be well prepared for the classes. Head of Department insisted all faculty to treat all students equally and to interact with all students frequently so as to create enthusiasm in the subject. He instructed all to complete the syllabus in a steady pace. The staff members were also accepted the suggestions given by HOD and assured to do the same.

HOD/EEE

PRINCIPAL

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : EEE Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	gayathri-eee	AID-A/2	60	BE3251/Basic Electrical And Electronics Engineering	13.15	12.80	6.75	10.40	10.60	10.20	3.36	5.00	6.61	6.91	85.78
2	sridhar-eee	CSBS-A/2	52	BE3251/Basic Electrical And Electronics Engineering	11.83	11.25	6.12	8.08	7.94	8.77	2.77	4.64	5.97	6.46	73.82
3	vijayalakshmi-eee	CSE-A/2	65	BE3251/Basic Electrical And Electronics Engineering	10.75	10.57	5.59	8.31	7.53	8.09	2.72	4.49	5.34	5.17	68.55
4	pearline-eee	CSE-B/2	55	BE3251/Basic Electrical And Electronics Engineering	12.44	12.00	6.40	9.56	9.21	9.43	3.13	4.78	6.28	6.05	79.27
5	ramprasath-eee	ECE-A/2	54	BE3254/Electrical And Instrumentation Engineering	11.72	11.89	6.22	9.24	9.33	9.64	3.16	4.91	6.43	6.25	78.80
6	vigneshwaran-eee	ECE-B/2	54	BE3254/Electrical And Instrumentation Engineering	11.17	11.00	6.01	8.62	9.20	8.13	2.87	4.27	5.75	5.69	72.71
7	balasubramanian-eee	EEE-A/2	46	EE3251/Electrical Circuit Analysis	13.89	14.09	7.17	11.01	11.22	11.22	3.62	5.53	7.30	7.44	92.48
8	rameshbabu-eee	EEE-A/4	61	EE8401/Electrical Machines - Ii	13.38	13.38	7.11	10.70	10.62	10.66	3.58	5.35	7.06	7.21	89.05
9	suganyadevi-eee	EEE-A/4	62	EE8402/Transmission And Distribution	12.19	11.71	6.37	9.06	9.60	9.14	3.15	4.63	6.06	5.86	77.77
10	satheesh-eee	EEE-	61	EE8403/Measurements	9.05	9.30	4.80	7.04	7.24	7.67	2.50	3.66	4.72	5.06	61.05

		A/4		And Instrumentation										
11	balasubramanian-eee	EEE-A/4	62	IC8451/Control Systems	13.84	13.74	7.20	10.72	10.84	10.68	3.57	5.23	6.99	7.25	90.07
12	rameshbabu-eee	EEE-A/6	47	EE8002/Design Of Electrical Apparatus	13.47	13.34	7.08	10.52	10.42	10.57	3.52	5.51	7.15	6.88	88.46
13	paranthagan-eee	EEE-A/6	49	EE8005/Special Electrical Machines	13.59	13.35	7.02	10.29	10.38	10.29	3.53	5.24	7.09	6.53	87.30
14	vijayalakshmi-eee	EEE-A/6	47	EE8601/Solid State Drives	11.74	11.81	6.13	9.45	9.04	9.60	3.20	4.88	6.30	6.37	78.51
15	suganyadevi-eee	EEE-A/6	46	EE8602/Protection And Switchgear	13.24	13.11	6.96	10.43	10.28	10.43	3.43	5.22	6.85	6.75	86.70
16	vijay-eee	EEE-A/6	44	EE8691/Embedded Systems	11.66	11.66	6.07	9.49	9.65	9.33	3.18	4.80	6.18	6.58	78.61
17	paranthagan-eee	EEE-A/8	19	EE8017/High Voltage Direct Current Transmission	11.37	11.21	6.15	8.59	8.84	8.59	2.91	4.29	5.89	5.89	73.74
18	krishnakumar-eee	EEE-A/8	20	GE8076/Professional Ethics In Engineering	11.55	11.70	6.16	9.24	9.24	9.00	2.96	4.50	5.84	6.08	76.27
19	rajkumar-eee	EEE-B/6	46	EE8002/Design Of Electrical Apparatus	12.78	12.78	6.82	10.17	10.28	10.23	3.37	5.27	6.89	6.89	85.48
20	pearline-eee	EEE-B/6	45	EE8005/Special Electrical Machines	14.07	13.87	7.50	10.88	10.88	10.93	3.70	5.60	7.43	7.32	92.18
21	ramprasath-eee	EEE-B/6	45	EE8601/Solid State Drives	14.33	14.53	7.72	11.47	11.31	11.41	3.79	5.71	7.54	7.54	95.34
22	satheesh-eee	EEE-B/6	46	EE8602/Protection And Switchgear	12.72	12.91	6.78	9.76	9.97	10.17	3.36	5.22	7.10	6.96	84.93
23	marimuthu-eee	EEE-B/6	52	EE8691/Embedded Systems	12.75	12.87	6.98	10.66	10.43	10.29	3.48	5.26	6.92	6.92	86.57
24	paranthagan-eee	EEE-B/8	13	EE8017/High Voltage Direct Current Transmission	10.85	10.38	5.91	7.94	7.94	8.12	3.02	4.06	5.78	5.91	69.91
25	rajkumar-eee	EEE-B/8	16	GE8076/Professional Ethics In Engineering	11.44	11.06	5.90	9.00	8.70	8.40	2.85	4.28	5.60	5.70	72.93
26	vigneshwaran-eee	ICE-A/2	17	EE3251/Electrical Circuit Analysis	12.00	11.65	6.49	9.32	9.32	9.46	3.25	4.80	6.49	6.68	79.46
27	ramprakash-eee	ICE-A/4	26	EI8451/Electrical Machines	14.77	14.19	7.75	11.35	11.26	11.45	3.72	5.72	7.69	7.57	95.48
28	ramprakash-eee	IT-A/2	59	BE3251/Basic	12.86	12.15	6.18	9.15	9.15	9.15	3.12	5.15	6.78	6.45	80.16

				Electrical And Electronics Engineering												
29	sridhar-eee	MECH-A/2	38	BE3251/Basic Electrical And Electronics Engineering	12.16	11.76	6.44	9.09	9.16	9.03	2.97	4.64	5.81	6.15	77.22

SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF EEE

ACTION TAKEN REPORT OF 2021-2022-ODD SEMESTER-MAY-2022 FEEDBACK

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/ Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Counselling and being Friendly	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Ability to Ensure Steady Pace Coverage of Syllabus	(10) Ability to Speak Loudly and Clearly	Total Out of
Weigtage -->					15	15	8	12	12	12	4	6	8	8	100
1.	sridhar-eee	CSBS-A/2	52	BE3251/Basic Electrical And Electronics Engineering	11.83	11.25	6.12	8.08	7.94	8.77	2.77	4.64	5.97	6.46	73.82
2.	vijayalakshmi-eee	CSE-A/2	65	BE3251/Basic Electrical And Electronics Engineering	10.75	10.57	5.59	8.31	7.53	8.09	2.72	4.49	5.34	5.17	68.55
3.	vigneshwaran- eee	ECE- B/2	54	BE3254/Electrical And Instrumentation Engineering	11.17	11.00	6.01	8.62	9.20	8.13	2.87	4.27	5.75	5.69	72.71
4.	satheesh-eee	EEE-A/4	61	EE8403/Measurements and Instrumentation	9.05	9.30	4.80	7.04	7.24	7.67	2.50	3.66	4.72	5.06	61.05
5.	paranthagan-eee	EEE- A/8	19	EE8017/High Voltage Direct Current Transmission	11.37	11.21	6.15	8.59	8.84	8.59	2.91	4.29	5.89	5.89	73.74
6.	paranthagan-eee	EEE- B/8	13	EE8017/High Voltage Direct Current Transmission	10.85	10.38	5.91	7.94	7.94	8.12	3.02	4.06	5.78	5.91	69.91

7.	rajkumar-eee	EEE- B/8	16	GE8076/Professional Ethics In Engineering	11.44	11.06	5.90	9.00	8.70	8.40	2.85	4.28	5.60	5.70	72.93

The above staffs were called for a meeting with HOD at his cabin. They were communicated about their feedback score and were advised to to improve their performance. They were insisted to do students counselling in a friendly way and were asked to be well prepared for the classes and to be very clarity in providing the teaching. They were also asked to give the real time applications about their subject so as to make the students to be more interactive and with utmost interest in the class. Also added that, they should cover the syllabus with steady pace and should be a little bit louder while teaching. The above staffs also accepted the suggestions given by HOD and assured to do the same.

HOD/EEE

PRINCIPAL

RANATHAN COLLEGE OF ENGINEERING
ARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
TIRUCHIRAPALLI - 620 012.

Date :09/11/2021

Ref No : SCE/EEE/2021-2022/OddSem/FirstClass committee meeting/circular/01

First class committee meeting for III year EEE-A will be held on **10/11/2021**at **Electrical ComputingLab** between**12.35 PM to 01.00 PM**. All the committee members are requested to attend the meeting.

Agenda for discussion:

(i) IAT -1 and IAT-2 Result analysis
(ii) Attendance Performance
(iii) Syllabus Completion
(iv) Class Discipline

Committee members:

S.No	Staff members	Student members/ Batch number
1	Dr.MV.Suganyadevi	CHANDRIKA. S/223015
2	Mr.R.Balasubramanian	AMIRTHALAKSHMI. K/223007
3	Dr.M.Marimuthu	KARTHIKEYAN. S/223028
4	Dr.P.Ramprakash	CAROLIN MARY. X/223014
5	Mr.R.Venugopal	RAHUL. V/223095
6	Mr.D.Boobalamuralitharan	HARIHARAN. R/223026
7	Mr.R.Vijay	
8	Mr.C.Gnanadesikan	

Chairperson
(Dr.S.Vijayalakshmi)

Copy to:

1. Class committee file

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
(Accredited by NBA, NAAC A+)
TIRUCHIRAPALLI - 620 012.

Date :14/11/2021

Ref No : SCE/EEE/First class committee meeting/minutes/Odd Sem/2021-2022/01

Minutes of Class committee meeting

Class: III EEE – A sec Time:12.30 PM to 1.00 PM

Venue: Electrical Computing Lab

First class committee meeting for III EEE – A section was conducted on 10/11/2021. The minutes of the class committee meeting is recorded below.

1) The Internal Assessment test-1 &2 result analysis were discussed for all the subjects.
2) The syllabus completion of theory papers was discussed.
3) It is ensured from students that text book / materials are available for the IATest-3 and Semester Exams.
4) It is insisted that students should not use mobile phone during study hours. They should have Books/Xerox materials&class notes for preparation.
5) IAT-1 result analysis was discussed for all the subjects and student members replied thatdue to lack of preparation not able to score good marks. Students were advised to prepare well and score high marks in IATests-2 to gain their internal marks.
6) The students requested to have a revision class for laboratory subjects.
7) The students felt comfortable in their subjects and class room facilities.
8) All the Faculty members are also satisfied about the class discipline.

S.No	Subject Name	Remarks
1	Power System Analysis	No.of Units Completed : 4 Materials are available to the students
2	Microprocessor & Microcontroller	No.of Units Completed : 4 Materials are available to the students
3	Basics of Biomedical & Instrumentation	No.of Units Completed : 4 Materials are available to the students
4	Power Electronics	No.of Units Completed : 4 Materials are available to the students
5	Digital Signal Processing	No.of Units Completed : 4 Materials are available to the students
6	Object Oriented Programming	No.of Units Completed : 3 Materials are available to the students

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
(Accredited by NBA, NAAC A+)
TIRUCHIRAPALLI - 620 012.

Date :14/11/2021

Ref No : SCE/EEE/First class committee meeting/minutes/Odd Sem/2021-2022/01

The following Committee members were present:

S.No	Staff members	Student members/ Batch number
1	Dr.MV.Suganyadevi	Chandrika. S/223015
2	Mr.R.Balasubramanian	Amirthalakshmi. K/223007
3	Dr.M.Marimuthu	Karthikeyan. S/223028
4	Dr.P.Ramprakash	Carolin Mary. X/223014
5	Mr.R.Venugopal	Rahul. V/223095
6	Mr.D.Boobalamuralitharan	Hariharan. R/223026
7	Mr.R.Vijay	
8	Mr.C.Gnanadesikan	

Copy to: Class committees file

Chairperson

(Dr.S.Vijayalakshmi)

HOD/EEE

PRINCIPAL

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
TIRUCHIRAPALLI - 620 012.

Date :27/04/2022

Ref No : SCE/EEE/2021-2022/EvenSem/FirstClass committee meeting/circular/01

First class committee meeting for II year EEE will be held on 28/**04/2022**at **Electrical Computing Lab**between **12.35 PM to 01.00 PM**. All the committee members are requested to attend the meeting.

Agenda for discussion:

(i) IAT -1 Result analysis

(ii) Attendance Performance

(iii) Syllabus Completion

(iv) Class Discipline

Committee members:

S.No	Staff members	Student members/ Batch number
1	Dr.M.V.Suganya Devi	BHARATH KUMAR. N- 233009
2	Mr.R.Satheesh	DHANUSHA. K- 233011
3	Mr.P.RameshBabu	PAUL ROGER.R.- 233050
4	Mr.R.Balasubramanian	SHEIKA NASEEMA. N-233060
5	Mr.S.Hariprasath (ECE)	SRIDEVI. P-203064
6	Dr.N.Subashini (Maths)	JACOB MARTIN. I-233072
7	Dr.S.Rajeswari (ECE)	
8	Dr.R.Vijay	

Chairperson 27/4/22

(B.Paranthagan)

Copy to:

1. Class committee file

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
(Accredited by NBA)
TIRUCHIRAPALLI - 620 012.

Date :29/04/2022

Ref No : SCE/EEE/class committee meeting/minutes/EvenSem/2021-2022/01

Minutes of Class committee meeting

Class: II EEE

Time: 12.35 PM to 1.30 PM

Venue: Electrical Computing lab

Firstclass committee meeting for II EEE class was conducted on 28/04/2022.

The minutes of the class committee meeting is recorded below.

1) IAT-1 result analysis was discussed for all the subjects and the class pass percentage is 14%
2) Students were motivated to score high marks to gain their internal marks and therefore to improve the result in the forthcoming exams.
3) The students felt comfortable in their subjects and class room facilities.
4) It is insisted that students to keep their class room and laboratory clean.
5) Students are advised to maintain discipline and interactive in theory classes.
6) Still some of the students are coming late after tea break and lunch hour. It is intimated to HOD sir and corrective action is taken and they will be monitored by the class coordinator.
7) Students are insisted to avoid absenteeism for their regular classes and also to adhere the class timings after the break interval.

S.No	Subject Name	Remarks
1	Numerical Methods	No.of Units Completed : 2
2	Electrical Machines - II	No.of Units Completed : 2
3	Transmission and Distribution	No.of Units Completed : 1.8
4	Measurement and Instrumentation	No.of Units Completed : 2.5
5	Control Sysetems	No.of Units Completed 2
6	Technical Seminar	• Students are doing well

Copy to: Class committees file

29/4/22
Chairperson

(B.Paranthagan)

HOD/EEE

PRINCIPAL

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref: SCE/EEE/PAC Meeting/Circular/ 2020 **Date: 17**. 05. 2021

CIRCULAR

Dear Sir / Madam,

The sixth meeting of the Program Advisory Committee (PAC) of Department of EEE, Saranathan College of Engineering, Trichy is scheduled on 28thMay 2021, at 10 AM in EEE Seminar hall. The agenda of the meeting is detailed herewith. You are therefore requested to kindly make it convenient to attend the meeting.

Agenda for PAC meeting

1. Compliance status and confirmation of the minutes of 4thprogram advisory committee Meeting
2. Review CO, PO, and PSO assessment and recommend actions based upon the findings.
3. The safety measures to be taken as the academic institution.
4. How grow institution academically through online mode.
5. Need of change in teaching methodology.
6. Preparing students as industry ready engineers.
7. Identifying the gap in curriculum addressing industry needs and ways to bridge the same.
8. Recommendation of equipment, supplies or the development of simulated work environments
9. Review of existing equipment, facilities, resources and its utilization.
10. Review of courses of study and standards of proficiency in the areas which are essential to march in a successful career path.
11. To review the status of research projects sponsored by Government or Non-Government Agencies
12. To review the status of internal resource generation.
13. To review the alumni engagements and enhancement of alumni interaction.
14. Any other item with the permission of the Chair.

Thanks & Regards,

Dr. C. Krishnakumar,

HoD/EEE

CC:

1. All members of program advisory committee(PAC)
2. To PAC file

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref: SCE/EEE/PAC Meeting/Minutes/ 2021 **Date:** 28. 05. 2021

MINUTES OF THE 5th PAC MEETING

Date: 28thMay 2021 **Time: 10.00** AM

Venue: EEE Seminar Hall-KS Block, SCE

Facilitator: Dr. C. Krishnakumar, HoD/EEE

List of PAC Members

S.No.	Type of stakeholder	Stakeholder	Name and Designation
1	Internal stakeholder	Management Representative	Dr.D.Valavan, Principal.
2		Faculty	1. Dr.C.Krishnakumar, Professor & HoD/EEE, 2. All Faculty Members.
3		Supporting Staff	Mr.T.Sesu Selvaraj, Laboratory Assistant.
4		Students	1. Ms . S. Chandrika II EEE 2. Mr S Karthikeyan II EEE
5	External stakeholder	Industry	Er.R.Murali, Managing Director, Madras Switch Gears Private Limited, 1/40, Post Office Building, M.K.Garden, Dhanam Nagar Rd, Sabari Nagar, Mugalivakkam, Chennai, Tamil Nadu – 600125.
6		Research Organization	Er.V.Kaviraj, Assistant Manager, Research & Development, Brakes India Private Limited, Padi,Chennai – 600050.
7		Alumni	1. Er.A.G.Balaji Ponnambalam, Systems Engineer, Infosys, Bangalore. 2. Er.R.Shantha Devi, Hardware Project Engineer E-con Systems India Pvt Ltd., Chennai.
8		Professional Bodies	Dr.S.Venkatanarayanan, IEEE Senior member, Professor/EEE, K.L.N. College of Engineering, Pottapalayam, Sivagangai Tamil Nadu - 630612.
9		Parents	1. Mr. K. Sadiq Basha No 56 Samaspiran Street, Trichy- 7803. 2. Mr. Muruganadam R No. 17 a, Micheal Pillai Street, Palakarai, Trichy-62001.
10		Eminent Academician	Dr.M.Premalatha, Assistant Professor, Energy and Environment (CEESAT) NIT Trichy, Tamil Nadu - 620015.

Dr. C.Krishnakumar HoD/EEE welcomed the PAC Members for the sixth meeting and greeted, and shared his happiness in achieving NBA accreditation for the Department of EEE for next three years. He thanked the members of the PAC for their support. Further, he recollected the POs, PSOs, PEOs of the department and also elaborately mentioned the progress attained by the department.

Dr. D.Valavan, Principal, greeted the members PAC and shared his happiness in achieving **A+ grade** in the recent **NAAC assessment** by scoring 3.27 points on a scale of 4. A three-member peer team including a chairman, member secretary and a member for qualitative assessment visited the college on **April 8-9, 2021**. The assessment of the peer team constitutes 30% of the total assessment process of NAAC. Rest of the 70% depends on the 110-page detailed self-study report submitted by the institution followed by peer team visit for qualitative assessment. While the institution is evaluated on seven major parameters, SCE secured well in terms of curricular aspects besides infrastructure and learning resources. The whole accreditation process was challenging considering the high standards of the assessment process. We are satisfied with the outcome even though we believe that we are capable of getting an even higher score. The NAAC accreditation will help the institution to get autonomous status besides research grants from various central agencies. He also said the college already has NBA accreditation for six undergraduate branches of engineering out of total seven. We are planning to open two more branches next year, he added.

1. The minutes of the Fifth meeting of PAC were confirmed.

Minutes of the discussion on the agenda items of the sixth meeting of the PAC are:

2. **Review CO- PO - PSO assessment and recommend actions based upon the findings.**
   - The CO, PO and PSO attainment for the 2014-2018 batch graduates were projected with the process of evaluating the CO, PO, and PSO attainment.
   - Since the student's mind is getting diverted due to excess usage of electronic gadgets and social media, it was recommended to change the teaching methodology to enhance the level of learning and hence the target of CO, PO, and PSO can be achieved.
3. **The safety measures to be taken as the academic institution.**

   Er.R.Murali, (Industry Expert, Managing Director, Madras Switch Gears Private Limited,) exposed his view on the outbreak of Covid 19- suppression in all fields. All the students and faculty members are requested take safety measures as per the directions of the health department of the government. The first preference is given to the lives, take necessary medication if required and stay safe.

possible ways and means to use ICT teaching tools available. The institute can spare some amount in purchase of licence if required.

5. **Need of change in teaching methodology.**

The teachers has to change the mode of teaching, the traditional chalk and talk method miserably fails due to the covid situation, hence all the teaching fraternity should learn new ICT teaching methodology and convey the technical knowledge as much as possible to the students. The faculty members are advised to attend few FDP/Workshop to get knowledge on the possible ICT tools so that they can reach studeents easily.

6. **Preparing students as industry ready engineers.**

Er.R.Murali, (Industry Expert, Managing Director, Madras Switch Gears Private Limited,) proposed that the faculty members must understand the job market to nurture the students as industry ready. He also said that the specialized trainings given to the faculty members may also help them to understand the need of industries. He asked the department to offer some carrier guidance sessions to make the students aware of job market.

7. **Identifying the gap in curriculum addressing industry needs and ways to bridge the same**

- Er.A.G.Balaji Ponnambalam, (Alumni) Systems Engineer, Infosys, Bangalore expressed that the curriculum covers only the basics of the engineering, so he suggested to conduct an eye opening session on the latest technological advancements in all the subjects.
- Further, Ms S. Chandrika II EEE, Internal stakeholder, requested the department to organize some eye opening events such as workshops, seminars, and hands on training or talks by experts from industry.
- Mr. S Karthikeyan II EEE, Internal stakeholder, asked to include a doubt clearing session for every course apart from the tutorial classes which are mainly focusing on problem solving only.

8. **Recommendation of equipment, supplies or the development of simulated work environments**

- The PAC requested to provide a spacious library in which all available study material must be displayed with a proper/specific label in the department library for clear visibility and also suggested to provide some seating arrangements to the students to take notes.
-

9. **Review existing equipment, facilities, resources and its utilization.**

- Members of PAC happily recollected the protection switch gear lab utilized for experimental learning for the protection switch gear course for all final year students and asked to continue this experimental learning. Further the PAC asked to conduct switch gear training sessions for nearby institutions at reasonable fee so that it can generate some revenue. The PAC also insisted to apply for Modernization and Removal of Obsolescence (MODROBS) to upgrade the laboratories to advanced research activities.

10. **Review courses of study and standards of proficiency in areas which are essential to becoming successfully employed in a career path.**

- Er.R.Murali, Managing Director, Madras Switch Gears Private Limited, suggested to offer some important professional courses in addition to the regular technical courses. He added further to conduct professional workshops to develop the skills required to improve employability. He also suggested to start a dedicated career guidance cell in the department to strengthen and enhance placement training sessions.

11. **To review the status of Research Projects sponsored by Government / Non-Government Agencies and suggest steps for enhancement of grants.**

- Research Organization member of PAC, Er.V.Kaviraj, Assistant Manager, Research & Development, Brakes India Private Limited, Chennai insisted the faculty who have completed their Doctoral degree to apply for guideship and to approach the funding agencies which may be either Government or Non-Government Agencies for funded research and grants for STTP, FDP, Workshop etc.
- Further he added, to increase faculty research publication numbers at least one per semester.

12. **To review the status of Internal Resource Generation.**

- PAC recommended the Department of Electrical and Electronics Engineering may make necessary arrangements to conduct faculty development programmes (FDP) and Short Term Training Programmes (STTP). It is also suggested that the department may offer consultancy services, like, energy auditing, testing commissioning, etc.. The planning and route map to flourish towards 'Corporate Trainings' and 'Consultancy services' are to be prepared and submitted to the PAC for consideration in its next meetings.

13. **To review the Alumni Engagements and enhancement of alumni interaction.**

- The report to be submitted to the PAC members for approval to conduct the alumni meeting and suggestions on the same. It is shared that the alumni meeting may help to

debate and discussion over the existing problems in the department and to reach the possible solutions to eradicate the identified.

As there was no other item placed before the Chair. The meeting ended with a vote of Thanks.

Dr.C Krishnakumar
HoD/ EEE

CC:

- All Members of PAC;
- All Faculty and Staff of the college;
- PAC File.

ATTENDANCE

SL.NO	NAME OF THE MEMBER	SIGNATURE OF THE MEMBER
1	Dr. D. VALAVAN	
2	Dr. C. Krishnakumar.	
3	V. Kaviraj	
4	R. Murali	
5	G. VENKATESAN	
6.	Dr. M. PREMALATHA	
7.	S. Venkatanarayanan	
8	A.G. BALAJI PONNANBALAM	
9	R. SHANTHA DEVI	
10	K. Shadiq Basha	
11	R. MURUGANANTHAM	
12	S. Chandrika	
13	S Karthikeyan.	
14	VENUGOPAL R	
15.	Dr. M. MARIMUTHU.	
16.	B. PARANTHAGAN	
17.	G. HONEST NAPOLEON	
18	R. VYAS	
19	R. SATHEESH	

20	Dr. S. VIJAYALAKSHMI	
21.	N. GAYATHRI	
22	C. Pearline Kamalini	
23.	R. Sridhar.	
24	S. Ram Prasath	
25	P. RAMESH BABU.	
26.	T. SESU SELVARAJ	
27	P. RAM PRAKASH	
28.	M.V. SUGANYADEVI	
29.	K. RAJKUMAR	

FEED BACK ANALYSIS/ACTION TAKEN REPORT

For the Academic Year 2021-2022:

The institution collects the feedback students, faculty, alumni and others. Once the feedback is analyzed and valuable suggestions given were considered and necessary actions was executed and notified below.

1. Improvement in Add on courses content by including hands-on experience on instruments.
2. Periodical release of Department e-magazine.
3. All final year projects are done in our college campus.
4. Extra care/guidance for slow leaners

HoD/ICE

Principal

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

CIRCULAR

IV YEAR

Class Committee Meeting

Date: 06.06.2022

Class Committee Meeting for IVyear, will be held on 07.06.2022 between 01:00 To 01: 20 pm, Venue: VI LAB. The Following students are informed to attend the meeting.

S.No	Batch No	Name
1	215038	VASUNDRA. R
2	215036	SURIYA PRAKAASH. D
3	215037	SWETHA. R
4	215008	BHAVADHARANI. M B
5	215010	GEETHA RANJANI. G
6	215012	HARINI BANUMATHI. N
7	215030	SANDHYA. V
8	215018	MANIKANDAN. V
9	215023	NITHISH ANAND. S
10	215040	KAVIYARASAN. K

HoD/ICE

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
TIRUCHIRAPALLI - 620 012.

Date: 07.06.2022

Ref No: SCE/ICE/2021-22/CCM/3

CLASS COMMITTEE MEETING FORM

Details About the Subject And Faculty	
Year/ Semester	IV / VII
Subject Name/ Code	Professional Ethics / GE8076
Name of Staff	Dr. P. Aravind
Designation	BE
Department	ICE

Feedback Student Details			
S. No	Batch No	Name of the Student	Sign
01	215038	R. Vasundra	
02	215036	D. Suriya Prakaash	
03	215037	R. Swetha	

Feedback About the Subject					
Portion Covered	Units 4.75 4.				
Material Availability	Yes.				
Content beyond Topic if any					
Clarity of Voice	Tick any One	Very Good	Good	Satisfactory	Not Satisfactory
Writing on Board		Very Good	Good	Satisfactory	Not Satisfactory
Doubt Clearing		Very Good	Good	Satisfactory	Not Satisfactory
Motivation		Very Good	Good	Satisfactory	Not Satisfactory
Problem Discussion (For Mathematical Papers Only)		Very Good	Good	Satisfactory	Not Satisfactory
Class Engagement		Very Good	Good	Satisfactory	Not Satisfactory

Any Other Comments / Need From the Department/ Other Comments
Excellent
Good
Very informative and good.

Review Team & Action Taken Details			
S. No	Name of the Staff	Comments	Signature
01	Subject Staff	Students are good. They need to Strive hard to Score high marks	
02	Class Coordinator	This is a easy subject. So Students should use it to boost their CGPA	
03	Chair Person Nominated	Previous materials shared kindly based the subject handling faculty Instruction.	

HoD/ICE

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

CIRCULAR

III YEAR
Class Committee Meeting

Date: 08.04.2022

Class Committee Meeting for III year, will be held on 08.04.2022 between 01:00 To 01: 20 pm, Venue: VI LAB. The Following students are informed to attend the meeting.

S.No	Batch No	Name
1	225025	PRABAHARAN. M
2	225029	RATNAGIRISH. R K
3	225010	HARI KRISHNA. M
4	225008	DHARSHINI. G
5	225015	JAYALAKSHMI. R
6	225034	SHARLENE. A
7	225041	SYED ATHAULLAH. S
8	225020	MOHAN RAJ. B
9	225016	KANNAPPAN. S
10	225006	DARWIN. I

HoD/ICE

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
TIRUCHIRAPALLI - 620 012.

Date: 13.04.2022

Ref No: SCE/ICE/2021-22/CCM/2

CLASS COMMITTEE MEETING FORM

Details About the Subject And Faculty	
Year/ Semester	III/VI
Subject Name/ Code	Data Structures / CS8391
Name of Staff	Ms. A. Sheelavathi
Designation	Asst. Professor
Department	IT

Feedback Student Details			
S. No	Batch No	Name of the Student	Sign
01	225025	M. Prabaharan	M.Pra
02	225027	G. Pagavanthiran	G. P
03	225010	M. Hari Krishna	Hari.

Feedback About the Subject					
Portion Covered	Units 3				
Material Availability	Yes				
Content beyond Topic if any	Yes				
Clarity of Voice	Tick any One	Very Good ✓	Good	Satisfactory	Not Satisfactory
Writing on Board		Very Good ✓	Good	Satisfactory	Not Satisfactory
Doubt Clearing		Very Good ✓	Good	Satisfactory	Not Satisfactory
Motivation		Very Good ✓	Good	Satisfactory	Not Satisfactory
Problem Discussion (For Mathematical Papers Only)		Very Good ✓	Good	Satisfactory	Not Satisfactory
Class Engagement		Very Good	Good ✓	Satisfactory	Not Satisfactory

Any Other Comments / Need From the Department/ Other Comments	
01.	Classes are Interesting and easy to understand
02.	good at teaching and understandable
03.	Good. Are giving more point and Easy to learn

Review Team & Action Taken Details			
S. No	Name of the Staff	Comments	Signature
01	Subject Staff	Students Performance is good.	A. Jeff
02	Class Coordinator	Topics discussed in this subjects will be helpful in software placements. So, Students need to practice well	
03	Chair Person Nominated	Students should focus on gaining skills related to coding since most of the hirers are software companies. So give more importance to the subject	

Agree

HoD/ICE

SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

CIRCULAR

II YEAR
Class Committee Meeting

Date: 06.06.2022

Class Committee Meeting for II year, will be held on 07.06.2022 between 01:00 To 01: 20 pm, Venue: VI LAB. The Following students are informed to attend the meeting.

S.No	Batch No	Name
1	235019	SIVA SUBRAMANIAN. A
2	235008	JOE JASPER RAJA. B
3	235016	SARAVANA KUMAR. K P
4	235024	VISHAL RAJ I P
5	235012	PRITHIV RAJ. A
6	235005	HARI PRAKASH. R
7	235004	CHANDRU. V
8	235026	YOKESWARAN. T
9	235017	SHARAN. R
10	235028	LEENA. R

HoD/ICE

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING
TIRUCHIRAPALLI - 620 012.

Date: 12/04/2022

Ref No: SCE/ICE/2021-22/CCM/1

CLASS COMMITTEE MEETING FORM

Details About the Subject And Faculty	
Year/Semester	II / IV
Subject Name/ Code	Electrical Machines / EI8451
Name of Staff	Dr. P. Ram Prakash (EEE)
Designation	A.P
Department	EEE

Feedback Student Details			
S. No	Batch No	Name of the Student	Sign
01	235019	A. Siva Subramanian	
02	235008	Joe Jasper Raja. B	
03	235016	Saravana kumar. K. P	

Feedback About the Subject					
Portion Covered	Units – I				
Material Availability	Hard copy / Notes				
Clarity of Voice	Tick any One	Very Good ✓	Good	Satisfactory	Not Satisfactory
Writing on Board		Very Good	Good ✓	Satisfactory	Not Satisfactory
Doubt Clearing		Very Good ✓	Good	Satisfactory	Not Satisfactory
Motivation		Very Good	Good ✓	Satisfactory	Not Satisfactory
Problem Discussion (For Mathematical Papers Only)		Very Good ✓	Good	Satisfactory	Not Satisfactory
Class Engagement		Very Good ✓	Good	Satisfactory	Not Satisfactory

Any Other Comments / Need From the Department/ Other Comments
01. Effective and under standable
02. Teaching is very good
03. Notes are provided properly

Review Team & Action Taken Details			
S. No	Name of the Staff	Comments	Signature
01	Subject Staff	Noted	
02	Class Coordinator	Students need to be Concentrate more	
03	Chair Person Nominated	motivate the students to get University Rank	

HoD/ICE

SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

TIRUCHIRAPALLI - 620 012.

Date: 23-08-2021

Ref No.:/SCE/ICE/54/2021-2022

Minutes of Program Advisory Committee Meeting

SUB: Minutes of Program Advisory Committee (PAC) meeting- review of attainment of Program Educational Objectives, Program Outcomes and Program specific Outcomes through projects

The Program Advisory Committee was held on 23-08-2021 at 10.00A.M in Virtual Instrumentation Lab of our Department

Stakeholder	Designation	Sign
Dr.D.Vallavan	Principal	
Dr.S.M.Girirajkumar	Head-Department of Instrumentation and Control Engineering	
Dr.S.M.Girirajkumar	Training and Placement Head of the College	
Dr.M.Shanmugavalli	Professor-Department of Instrumentation and Control Engineering	
Mr. P. Thirumurugan	Program Coordinator,Assistant Professor,Department of Instrumentation and Control Engineering	
Mr.J.Visweswaran	Country Manager - Academic Programs, ARK Infosolutions Pvt Ltd	
Ms.P.N.Vasantha	2015-Passed out, Vice President-Business Administration, FluxGen Engineering Technologies	

The following points were discussed

1. HoD, welcomed the members of the committee who had assembled for. reviewing the attainment of program educational objectives, Program specific outcomes and Program Outcome for the department.
2. The attainment for the batch 2020-2021 and 2021-2022 was analyzed in detail. After reviewing,the committee suggested the following points to be implemented for improving the performance of the students through various activities
3. It is also inferred that overall attainment can still be developed through projects and paper presentations.

Date: 23-08-2021

4. Dr.S.M.Girirajkumar told that Motivational counseling may be given to average students so that their interest towards Project can be increased and hence their performance
5. Ms.Vasantha shared her point that Faculty Should help the students to know how to present papers for a inter college competitions and motivating them to participate in project events
6. Mr.J.Visweswaran also insisted that project based learning will give practical exposure to the students and clear understanding of basics.
7. HOD accepted and explained the members about the co-curricular activities in the department in the form of mini projects, workshops, project expo, guest lectures.
8. Dr.M.Shanmugavalli also shared that students are motivated to do research and make projects based upon the need for the society so that students can understand and know real time application based projects
9. HOD also shared Lab facilities have been utilized by students for their project work and intimated that MyRio Kit module can be taken and used by students for the project work
10. Slow learners adopted should be given and counseling frequently for doing project works
11. Dr.S.M.Girirajkumaralso explained that students Progression and their results should be intimated to parents and their feedback can be got regarding the same.
12. Members also discussed about the conversion of projects to papers in referred journals, conferences and participation in competitions and project expos.
13. Principal also insisted that Students are also provided with lot of awareness with government Funding agencies like TNSCST,DST,etc and motivating them to apply for all funding agencies.
14. HOD, thanked the members of the committee who had assembled for giving their views and suggestions for the improvement of students project

HoD-ICE

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
TIRUCHIRAPALLI - 620 012.

Date: 2.2.2022

CIRCULAR

The first Class Committee meeting for the II Year / III Semester students will be held on 5.5.2022 at **12.30p.m** in IT seminar hall

Staff Members:

Dr.V. Punitha
Ms.J. Sangeetha Priya
Ms.M. padmaPriya
Mr.R. Rengaraj
Ms. Neelambari

Student Representatives:

NITHIYASRI H
ALMAS BEGUM. M
AVINASH. P
IMRAN AHAMED. A B
VENKATRAMAN. S S

Agenda:

- Performance in University exams and IA tests.
- Issues regarding Subjects
- Attendance, Discipline, health and hygiene
- Co Curricular activities

All are asked to attend the meeting without fail.

CLASS COMMITTEE CHAIR PERSON

HOD, Dept of IT

Department of IT
Saranathan College of Engg.
Trichirapalli - 620 012

SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY
TIRUCHIRAPALLI - 620 012.

Date: 3.3.2022

Minutes of the II Class Committee Meeting for II Year held on 3.3.2022

Time : 2.30 p.m

The following points were discussed in the meeting:

Performance in University exams and IA tests.

- Dr. V.Punitha motivated the students to work hard and score better grades in the coming semester exams.
- Students were asked to attend physical mode classes sincerely.
- Students were asked to prepare well for the IA tests.
- Students were also asked to prepare MCQ questions in all the subjects.

Issues regarding subjects:

1. They felt comfortable and had no issues in other subjects.
2. Almost 70% of 4 units had been covered in all the subjects

General Issues

1. The students were advised to have 90% attendance in online classes . They were asked to be regular, sincere & more attentive in all the classes.
2. The students were asked to take the IA tests seriously from home and perform well.
3. The students were motivated to participate in online technical events.

The meeting came to an end at 3.30p.m

Staff members who attended the meeting :

S.No	Name of the Faculty	Signature
1	Dr.V. Punitha	
2	Ms.J. Sangeetha Priya	
3	Ms.M. padmaPriya	
4	Mr.R. Rengaraj	
5	Ms. Neelambari	

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
TIRUCHIRAPALLI - 620 012.

Date: 3. 3.2022

Student Representatives:

S.No	Name of the Student	Signature
1	NITHIYASRI H	
2	ALMAS BEGUM. M	
3	AVINASH. P	
4	IMRAN AHAMED. A B	
5	VENKATRAMAN. S S	

Class Committee Chairperson

Mr. P. Anand Assistant Professor / IT

HOD, Dept of IT

Dr.V. Punitha

Department of IT
Saranathan College of E...
Trichirapalli - 620 ...

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Action Taken

The concerned staff members are asked to post the materials, question bank for the subjects.

2. As per the request from the students, more problems were asked to be covered in Algebra and Number Theory subject by the concerned faculty.

SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY
TIRUCHIRAPALLI - 620 012.

Date: 4.10.2021

CIRCULAR

The Second Class Committee meeting for the IV Year / VII Semester students will be held on **5.10.2021at 12.30 p.m through virtual meet** in IT seminar hall.

Staff Members:

Mr.S.Syed Muthaliff (MBA)
Dr.V.Punitha
Mr.R.Rengaraj@Muralidharan
Mr.V.Senthil Balaji
Ms.N.Bhavani
Ms.M.Padma Priya

Student Representatives:

214010 – Gokul

214040 - Sakthivel

214052 – Vaishnavi

214050 – Thagasin.M

214021 – Karthik

214007 – Dhinusree

Agenda:

- Performance in University exams and IA tests.
- Issues regarding Subjects
- Attendance, Discipline, health and hygiene
- Co Curricular activities

All are asked to attend the meeting without fail.

A. Jeff

CLASS COMMITTEE CHAIR PERSON

HOD, Dept of IT

H.O.D. (IT)
Saranathan College of Engg.
Trichirappalli - 620 012

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
TIRUCHIRAPALLI - 620 012.

Minutes of the II Class Committee Meeting for IV Year held on 5.10.2021

Time : 2.30 p.m

The following points were discussed in the meeting:

Performance in University exams and IA tests.

- Dr. V. Punitha, motivated the students to work hard and score better grades in the coming semester exams.
- Students were asked to attend online class and physical mode classes sincerely.
- Students were asked to prepare well for the IA tests.
- Students were also asked to prepare MCQ questions in all the subjects.

Issues regarding subjects:

1. They felt comfortable and had no issues in other subjects.
2. Almost 70% of 4 units had been covered in all the subjects

General Issues

1. The students were advised to have 90% attendance in online classes . They were asked to be regular, sincere & more attentive in all the classes.
2. The students were asked to take the IA tests seriously from home and perform well.
3. The students were motivated to participate online technical events.

The meeting came to an end at 3.30p.m

Staff members who attended the meeting :

S.No	Name of the Faculty	Signature
1	Mr.S.Syed Muthaliff (MBA)	ABSENT
2	Dr.V.Punitha	
3	Mr.R.Rengaraj@Muralidharan	
4	Mr.V.Senthil Balaji	
5	Mr.R.Rengaraj@ Muralidharan	

SARANATHAN COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
TIRUCHIRAPALLI - 620 012.

Student Representatives:

S.No	Name of the Student	Signature
1	214007 – Dhinusree	
2	214010 – Gokul	
3	214021 – Karthik	
4	214040 - Sakthivel	
5	214050 – Thagasin.M	
6	214052 – Vaishnavi	

Class Committee Chairperson

Ms.A. Sheelavathy /Assistant Professor / IT

HOD, Dept of IT

Dr.V. Pu

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Action Taken:

The concerned staff members are asked to post the materials, question bank for the subjects

2. As per the request from the students, more problems were asked to be covered in Cryptogra network security subject by the concerned faculty.

Saranathan College of Engineering

Tiruchirappalli-12

FeedBack Report : IT Month&Year: FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiali ty and Fairness to Students ?	(4) Interactio n with Students by the faculty	(5) Valuable/ Extra Informati on given during the Lectures by the faculty	(6) Enthusias m for Subject ?	(7) Showing Concern and Care for Students ?	(8) Punctuality in Evaluation of Exam Papers/ Assignment s ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
Weigta ge					15	15	8	12	12	12	4	6	8	8	100
1	punitha-it	IT-A/7	50	CS8792/Cryptogr aphy And Network Security	14.04	13.86	6.27	9.36	9.02	9.12	3.02	4.54	6.21	6.11	81.56
2	sheelavathi-it	ECE-A/5	18	EC8552/Compute r Architecture And Organization	14.33	14.5	6.76	10.27	9.73	10	3.33	5.13	7.02	6.76	87.83
3	padmapriya-it	ECE-B/5	13	EC8552/Compute r Architecture And Organization	14.77	14.77	7.14	10.52	10.71	11.08	3.51	5.08	7.14	7.38	92.09

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4	anand-it	ICE-A/3	24	CS8392/Object Oriented Programming	14.5	14.38	6.4	10	9.7	10.2	3.27	5.2	6.73	6.87	87.24
5	senthilbalaji-it	ICE-A/7	40	OCS752/Introduction To C Programming	14.32	14.32	6.64	9.78	9.72	9.78	3.22	5.01	6.64	6.68	86.12
6	jspriya-it	IT-A/1	56	GE3151/Problem Solving And Python Programming	13.23	12.96	6.97	10.5	10.2	10.54	3.51	5.27	7.2	7.06	87.45
7	sheelavathi-it	IT-A/3	18	CS8391/Data Structures	15	15	7.64	11.33	10.93	11.33	3.87	5.4	7.38	7.64	95.53
8	manojkumar-it	IT-A/3	18	CS8392/Object Oriented Programming	15	15	7.29	11.07	11.33	11.33	3.56	5.67	7.64	7.64	95.53
9	bhavani-it	IT-A/5	16	CS8494/Software Engineering	14.81	14.81	6.7	10.05	10.05	10.5	3.4	5.03	6.7	6.6	88.65
10	jspriya-it	IT-A/5	16	CS8591/Computer Networks	14.81	14.81	7.2	10.8	10.95	11.1	3.7	5.32	7.3	7.3	93.3
11	rengaraj-it	IT-A/5	16	IT8501/Web Technology	14.62	14.62	6.9	10.35	10.65	10.8	3.35	4.95	6.7	6.8	89.75
12	anand-it	IT-A/5	15	OCE552/Geographic Information System	14.8	14.6	6.4	9.92	9.92	10.24	3.41	5.04	6.83	6.93	88.09
13	padmapriya-it	IT-A/7	46	CS8079/Human Computer Interaction	14.09	14.15	6.57	9.34	9.08	9.18	3.15	4.75	6.19	6.09	82.59
14	rengaraj-it	IT-A/7	54	CS8791/Cloud Computing	13.89	14.11	6.46	9.24	9.24	9.2	3.08	4.56	6.16	5.75	81.7
15	bhavani-it	IT-A/7	52	IT8075/Software Project Management	14.19	14.31	6.37	9.37	9.32	9.23	3.03	4.62	6.22	6.28	82.93

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SARANATHAN COLLEGE OF ENGINEERING

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DEPARTMENT OF INFORMATION TECHNOLOGY

Faculty Feedback Report (SEP/NOV 2021) based Counselling Report

08.11.2021

IV year: Feedbacks of all the four staff members are good. They scored above 80%. They are encouraged to give their best to the students.

III year: Mr. P. Anand has improved his feedback score from 75% to 88% and he is highly appreciated for that. Feedbacks of all other staff members are good (above 85%) and they are appreciated for their effort.

II year: In fourth semester, 2 subjects are handled by IT department staff members. Both of them have received good feedback (above 90%) and they are appreciated for their effort.

I year: Ms. J. Sangeethapriya received good feedback and scored above 88%.

Ms. A. Sheelavathi, Mr. P. Anand, Ms. Padmapriya and Mr. V. Senthilbalaji are handling subjects for allied departments. They are consistently receiving good feedback (above 80%). They are appreciated for their efforts. All the staff members are encouraged to give their best to the students to improve their skills.

HoD/IT 08/11/2021

Principal 8/11/2021

Saranathan College of Engineering

Tiruchirappalli-12

FeedBack Report : IT Month&Year: MAY2022 Academic Year :2021-22EVEN

S.no	staffcode	branch /Sem	No. participated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/ Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students ?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
Weigtage					15	15	8	12	12	12	4	6	8	8	100
1	punitha-it	IT-A/4	47	CS8451/Design And Analysis Of Algorithms	13.34	13.15	7.11	10.52	9.96	10.42	3.51	4.95	7.05	8.4	86.4
2	bhavani-it	CSBS-A/2	52	AD3251/Data Structure Design	11.08	11.02	5.66	8.31	8.4	8.77	2.89	4.85	5.82	6.06	72.85
3	sheelavathi-it	ICE-A/6	44	CS8391/Data Structures	13.02	12.61	6.58	9.6	9.33	9.87	3.24	4.96	6.91	6.76	82.89
4	anand-it	IT-A/2	60	CS3251/Programming In C	9.7	9.1	4.64	6.64	7.12	7.52	2.41	4.02	5.17	5.33	61.66
5	jspriya-it	IT-A/4	47	CS8491/Computer Architecture	13.98	13.91	7.46	11.08	10.93	11.23	3.8	5.41	7.46	7.52	92.78

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6	rengaraj-it	IT-A/4	34	CS8492/Database Management Systems	13.15	13.15	7.34	10.8	10.66	10.52	3.65	5.22	7.06	6.92	88.46
7	padmapriya-it	IT-A/4	47	CS8493/Operating Systems	14.23	14.3	7.49	11.39	10.83	11.29	3.81	5.62	7.63	7.46	94.03
8	anand-it	IT-A/6	51	CS8091/Big Data Analytics	11.59	11.65	6.27	9.08	8.75	8.85	2.98	4.71	6.43	6.37	76.68
9	jspriya-it	IT-A/6	51	CS8092/Computer Graphics And Multimedia	12.88	13.18	6.81	10.35	10.16	10.16	3.45	5.22	6.84	7.03	86.09
10	sheelavathi-it	IT-A/6	51	CS8592/Object Oriented Analysis And Design	12.18	12.06	6.46	9.84	9.84	9.65	3.33	4.92	6.56	6.43	81.25
11	bhavani-it	IT-A/6	50	GE8076[8]/Professional Ethics In Engineering	11.16	11.52	6.05	9.12	9.02	9.02	3.06	4.68	6.11	6.3	76.05
12	padmapriya-it	IT-A/6	51	IT8076/Software Testing	12.76	12.59	6.53	9.65	9.74	9.69	3.23	4.92	6.9	6.68	82.69
13	rengaraj-it	IT-A/6	51	IT8601/Computational Intelligence	12.47	12.47	6.68	9.93	9.69	9.98	3.39	4.99	6.68	6.62	82.9
14	manojkumar-it	IT-A/6	50	IT8602/Mobile Communication	13.14	13.14	6.62	10.42	10.85	10.46	3.47	5.26	6.91	7.2	87.47

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DEPARTMENT OF INFORMATION TECHNOLOGY

Faculty Feedback Report (April /MAY) based Counselling Report

02.06.2021

III year: Feedbacks for all the staff members are satisfactory. Ms. J. Sangeethapriya and Mr. V. Manoj Kumar have scored above 85% and they are appreciated for their effort. Ms.A.Sheelavathi, Ms.M.Padmapriya and Mr. R. Rengaraj have got a feedback above 80% and they are appreciated for their effort. Mr. P. Anand and Ms. N. Bhavani have received a feedback score of 76%. They are advised to make the class lively with interesting real-time examples.

II year: In fourth semester, feedback score of all the three staff members are good and they scored above 88%. Ms. M. Padmapriya and Ms. J. Sangeethapriya are appreciated for their good feedback score of 94% and 92% respectively.

I year: Mr. P.Anand has got 62% of feedback score. He is advised to be friendly with students and motivate the students to show interest in coding.

Feedback of Ms. A. Sheelavathi who is handling Data Structures for ICE department is also good and she is motivated to continue her effort. Feedback of Ms. N. Bhavani who is handling Data Structures Design for AIDS department is satisfactory. All the staff members are appreciated for their effort in improving the students' skill.

HoD/IT 02/06/2021

Principal 2/6/21

SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

DEPARTMENT OF INFORMATION TECHNOLOGY

Date: .05.07.2021

CIRCULAR

The Programme Advisory Committee (PAC) meeting for the Academic year 2021-2022 will be held on 15.07.2021 at IT seminar Hall at 10.00 a.m. The Vision, Mission statements of the department will be inspected and subsequently the Program Educational Objectives (PEOs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) will be scrutinized during the meeting. The curriculum gaps and the academic activities for the Academic year 2021-22 will be discussed.

Hereby all the PAC members are invited to attend the meeting.

HOD, Dept of IT

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TIRUCHIRAPALLI - 620 012.
DEPARTMENT OF INFORMATION TECHNOLOGY

AGENDA OF THE MEETING:

1. Welcome Address by HoD/IT
2. Presidential Address by Principal, SCE
3. Introduction of PAC members by HoD/IT
4. Minutes of previous meeting
5. Vision, Mission, PEOs dissemination
6. Discussion of CO-PO & CO-PSO attainment during the previous year
7. Review of previous and current academic activities
   - ❖ Discussion of Regulation 2021 curriculum and syllabus
   - ❖ Identification of curricular gaps and content beyond syllabus
   - ❖ Action plan to be taken to attain PO PSO and to fill the curricular gaps through value additions and getting approved.
8. General Discussion
9. Next meeting - Tentative date, time, venue intimation
10. Vote of Thanks

HOD, Dept of IT

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PAC members

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Members of Programme Advisory Committee:

S.No	Name & Designation	Stakeholder	Type of stakeholder
1	Dr.D.Valavan Principal	Internal Stakeholder	Management Representative
2	i. Dr.V.Punitha, Prof & Head, Dept of IT ii. All staff members		Faculty
3	Dr.S.M. GiriRajkumar Head, T & P Department		Head, T&P department
4	Dr. S.Neduncheliyan, DEAN-CSE, Bharath Institute of Higher Education & Research, Chennai	External Stakeholder	Academician
5	Dr. P.D. Sheeba Kezia Malarchelvi, Prof & Head, Dept of CSE, J.J.College of Engineering & Technology, Tiruchirapalli.		
6	Dr.N.Renugadevi, Assistant Professor, IIIT, Trichy		
7	Mr. Manikandan Nagarajan, Delivery Head, SPANIDEA Systems Bangalore.	External Stakeholder	Industry
8	Mr. R.Vinoth, Solution Engineering Manager, e-con systems, Chennai.	External Stakeholder	Recruiter

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9	Ms. Suvitha Arokia Mary Senior Testing Analyst, Infosys Limited, Chennai	External Stakeholder	Alumni
10	Mrs.K.S.Geetha Kumari 4/309, Geetha Nilayam, Purushothaman Nagar, Nochiyam, Trichy-621216	External Stakeholder	Parent
11	Mr.L.V.Muthukumar, No.24, North Mada Vilagam street, Lalgudi, Trichy -621601		

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SARANATHAN COLLEGE OF ENGINEERING
TIRUCHIRAPALLI - 620 012.
DEPARTMENT OF INFORMATION TECHNOLOGY

Ref: SCE/IT/PAC meeting minutes/2021-22

Date: 15.07.2021

Minutes of the Programme Advisory Committee meeting

The PAC meeting was organized by the HOD / Dept of IT with all stake holders on 15th July 2021 in the IT Seminar Hall at 10.00 a.m.

The following members of PAC were present:

S.No	Name & Designation	Signature
1	Dr.D.Valavan	
2	Dr.V.Punitha	
3	Dr.S.M. GiriRajkumar	
4	Dr. P.D. Sheeba Kezia Malarchelvi	
5	Dr.N.Renugadevi	
6	Mr. Manikandan Nagarajan	
7	Mr. R.Vinoth	
8	Ms. Suvitha Arokia Mary	
9	Mrs.K.S.Geetha Kumari	
10	Mr.L.V.Muthukumar,	
11	Ms.N.Bhavani Asso. Professor/IT	
12	Ms.J.Sangeetha Priya, Asst. Professor/IT	
13	Mr. V.Senthil Balaji, Asst. Professor/IT	
14	Mr.V.Manoj Kumar, Asst. Professor/IT	

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- The meeting started at 10.00 a.m.
- HOD/IT greeted the members present and delivered the welcome address..
- Principal publicized the Vision and Mission of the Institution to the stakeholders.
- HOD/IT introduced the PAC members and publicized the Vision, Mission of the department and PEOs, POs & PSOs of the IT program...
- The curriculum and syllabus of Regulation 2021 was discussed. The importance of value added courses and open electives in the syllabus were highlighted.
- The CO-PO and CO-PSO attainment for the year 20-21 were projected to the PAC members.
- The strengthened attainment level of various subjects was presented.

Attainment of POs and PSOs for CS8491- Computer Architecture:

Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C211	3.00	2.00	3.00	-	-	-	-	-	-	-	-	-	2.00	2.00
Attainment 2019-2020	2.00	1.33	2.00			-	-	-	-	-			1.33	1.33
Attainment 2020-2021	2.17	1.44	2.17	-	-	-	-	-	-	-	-	-	1.44	1.44

- The Internal Assessment Question Paper Pattern, QP setting according to blooms Taxonomy, Questions mapping with a corresponding Course Outcome and procedure for calculation of CO-PO/PSO were finalized.
- The following views were congregated from the stakeholders regarding the action plan for the forth coming batches for the attainment of POs & PSOs through value additions.
  - Dr.S.M.Giriraj Kumar gave a brief summary about the training (Technical & Soft skills) for the students to be conducted for the students by the T&P department.

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- Mr.Manikandan insisted that the students should have strong foundation in the fundamental concepts of core subjects. He also briefed about the latest trends in IT Industry
- Mr. Vinoth specified the expectations of the Industries and the opportunities available for the Engineers in Corporate. He also suggested that the students may be given hands on training on IOT and AI and motivate them to implement projects on the same.
- Dr.Sheba Kezia Malarchelvi emphasized the need for research committee and advised to categorize the faculty based on expertise. She also encouraged to submit proposals to various funding agencies and suggested to establish Center of Excellence laboratory in collaboration with various industries.
- Dr.Renugadevi also encouraged applying financial grant to various professional chapters for conduct of co-curricular activities such as Seminar/workshop/conferences. She also suggested the usage of ICT Tools in the classrooms to enhance the students learning and briefed about various learning methods.
- Alumni Ms. Suvitha praised the college for bringing top companies for placement. She suggested that internships can be arranged for both III & final year students to create awareness about Industry expectations. She also recommended to conduct value added programs to increase the employability of the students in Industry.
- Parents Mr.Muthukumar and Mrs.Geetha Kumari cherished the development of the Institution and suggested on arranging more campus to enhance the students' career.
- The faculty members were asked to motivate the students to participate on all national technical contests like Smart India Hackathon.
- HOD/IT briefed the details of internships and other activities by the students during the year 20-21.

❖ The curriculum gaps and the plan of actions for the academic year 21-22 were suggested and approved by the PAC members to strengthen the attainment of CO- PO.& CO-PSO for the forth coming batches of IT program.

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SARANATHAN COLLEGE OF ENGINEERING

TIRUCHIRAPALLI - 620 012.

DEPARTMENT OF INFORMATION TECHNOLOGY

Co Curricular Activities (CCA) plan for the Academic Year 2020-2021

Proposed Guidelines for the charting the co-curricular activities (CCA)

1. **All the activities shall be focused on addressing the below :**
   - Impart strong foundation in basics
   - Enhance application of academic learning's to solve real time engineering problems

2. **There shall be three categories**
   - Contest during the course of semester
   - Workshops / Guest Lectures during the course of semester
   - Workshops during the vacation

3. **There shall be maximum of three activity in the form of contest per semester**
   - All these activity shall not be mandatory for the students; rather students shall participate based on their interest.
   - One contest shall be relevant to the curriculum of the current semester
   - Two contest shall be relevant to the curriculum of previous semesters
   - The contest shall be formulated in such a way that the students will be able to apply the learning's of their curriculum in solving the problem statements, so that they shall establish a relation between what they read
   - The contest shall be a analytical problem solving contest/coding contest/debugging contest/ Technical Quiz/ Paper Presentation/ Mini project contest.
   - Each contest should be well defined and shall have a detailed methodology in conducting as well as evaluating procedure

4. **There shall be one or max of two activity in the form of workshops during the course of the semester, which shall be absolutely relevant to the subjects of the current semester, that will help strengthen the understanding of the subject**
   - All the workshops should be formulated in such a way that predominant duration of the workshop, the students work by him/herself based on some minimum instructions received from the faculty

5. **Special / Guest Lectures may be organized for the students to gain knowledge on latest trends in the IT field.**

6. **Activities during the vacation shall be decided based on feasibility.**

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List of curriculum Gaps identified

Curriculum Gaps Identified	Students will be able to
Fundamentals of Python Programming are available in first semester. Application of OOPS, DBMS and Data structure concepts in Python are not available.	Strengthen their coding skills and Participate in contests /mini projects using latest technologies
Lack of exposure to the modern tools. 1.Graphics & Multimedia is specified in syllabus for theory. Multimedia tools are not specified. 2.Software Testing Tools are not specified in the syllabus. 3. Practical courses for Big Data Analytics is not given in the curriculum.	Work with all kind of modern tools
Inadequate practical exposure to latest technologies such as IOT, Soft Computing, Virtual Reality	Improve their knowledge in latest trends and understand the expectations of Industries.
Lack of exposure to hardware technologies	Have a better understanding of computer architecture

Plan for activities for the Academic year 2021-22:

S.No	Activity	Methodology	Consequence
1	Certification courses with Inlustro Ltd and NPTEL courses	Training and Test	Application of Learning's

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2	Introduction to Latest Trends in IT - Machine Learning, Deep Learning, IoT, Cyber Security, Virtual Reality	Guest Lecture & Webinar	Application of Learning's
3	Practical sessions on Latest Tools	Workshop	Exposure to modern Tools
4	Hands on Training on IOT & AI	Workshop	Exposure to IOT & Machine Learning
5	Hardware assembly and OS installation	Workshop	Better understanding of hardware components and OS
6	Coding Contest, Technical Quiz	Contest	Strengthen the Coding & Technical skills
7	Paper Presentation	Contest	Innovation to learn new and latest concepts and improve communication skills
8	Mini Project Contest	Contest	Application of Learning's

HOD, Dept of IT

H.O.D. (IT)
Saranathan College of Engg.,
Trichirapalli - 620 012.

Principal

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TIRUCHIRAPALLI - 620 012.
DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 04.07.2022

Submitted to the Principal:

The Program Advisory Committee (PAC) meeting for the Academic year 2021-2022 has been conducted on 15.07.2021 to strengthen the CO-PO and CO-PSO attainment. The following Programs were organized by the Department based on the suggestions given by the Committee.

1. Events conducted during 2021-22:

S.No	Name of the Event	Date
1	Seminar on Dps and its employment opportunities in the Industry	27.05.2022 (1 day)
2	Webinar on Advanced Programming in C++	30.05.2022 to 04.06.2022 (6 days)
3	Webinar on Higher Education opportunities in Abroad	25.04.2022 (1 day)
4	Seminar on Scope in Corporate Careers and successful reflections	20.11.2021 (1 day)
5	Seminar on Recent Technologies need in Industry	20.11.2021 (1 day)
6	Mini Project event	18.11.2021 (1day)
7	Paper Presentation contest	12.11.2021 (1 day)
8	C Programming contest	25.10.2021 (1 day)
9	Java Coding Challenge	22.10.2021 (1 day)
10	Quiz contest in Python	14.06.2021)1 day)

2. About 10 students registered for NPTEL certification course on various subjects and obtained certificates.

3. Students from II, III & IV year registered for certification courses on various subjects conducted by Inlustro Ltd., and have taken the online test and obtained certificates.

4. The Content beyond syllabus for both Theory and Practical courses has been added. The latest trends and technological improvements in IT related to the corresponding course are explained by the concerned staff member to the students.

4/7/2022

HOD, Dept of IT

Scanned with CamScanner

Saranathan College of Engineering

Department of Mechanical Engineering

Feed Back Report

Feedback is collected from students based on the following questionnaire and the total score is generated based on weightage given to individual questions

1. **Subject Knowledge and Clarity of the Faculty [15.0]**
2. **Impartiality and Fairness to Students [15.0]**
3. **Interaction with Students by the faculty [8.0]**
4. **Valuable/Extra Information given during the Lectures by the faculty [12.0]**
5. **Enthusiasm for Subject [12.0]**
6. **Showing Concern and Care for Students [12.0]**
7. **Punctuality in Evaluation of Exam Papers/ Assignments [4.0]**
8. **Whether Syllabus for IA Tests/ University Examination Completed steadily [6.0]**
9. **Ability to Speak Loudly and Clearly [8.0]**
10. **Does the faculty come prepared for Classes? [8.0]**

Score obtained through feedback from students is converted on a scale of 5 and carries significant weightage under Academic execution in the Self Assessment Report (SAR) of a faculty member.

S.No	Category	Max Marks	Faculty	HOD
1	Academic Execution (50 marks)			
1.1	University Results	25		
1.2	University Class Average Grade	10		
1.3	Number of S and A grades	10		
1.4	Students feed back	5		
TOTAL		50		

Sample feedback analyses taken in semester wise are given below:

Feed Back Report of Mechanical Department during 2021-2022 ODD Semester

S.no	Staff code	Branch /Sem	No. of students participated	Subject Code /Title	Total Out of 100	Action taken
1	mercyvasan-mech	ICE-A/5	41	EI8093/Unit Operation And Control	84.21	Approached Friendly with Students
2	ganesan-mech	MECH-A/3	32	CE8394/Fluid Mechanics And Machinery	87.34	Evaluated the Papers Properly
3	baskar-mech	MECH-A/3	15	ME8351/Manufacturing Technology - I	81.4	Conducted Meeting for Concern Students
4	sathyanarayanan-mech	MECH-A/3	32	ME8391/Engineering Thermodynamics	87.49	Conducted Meeting for Concern Students
5	mahesh-mech	MECH-A/5	40	ME8501/Metrology And Measurements	90.26	Completed The Syllabus within The Time
6	jayaprakash-mech	MECH-A/5	36	ME8593/Design Of Machine Elements	85.39	Approached Friendly With Students
7	rekha-mech	MECH-A/5	37	ME8594/Dynamics Of Machines	90.03	Approached Friendly with Students
8	shivaranjani-mech	MECH-A/5	40	ME8595/Thermal Engineering- Ii	81.71	Improved Audible Voice In Class Room
9	paramaguru-mech	MECH-A/5	38	OAT552/Internal Combustion Engines	91.26	Approached Friendly with Students
10	mrpadmanaban-mech	MECH-A/7	34	ME8072/Renewable Sources Of Energy	79.33	Approached Friendly with Students
11	jayaprakash-mech	MECH-A/7	35	ME8099/Robotics	80.47	Evaluated the Papers Properly
12	rekha-mech	MECH-A/7	37	ME8791/Mechatronics	81.18	Completed The Syllabus within The Time
13	sriram-mech	MECH-A/7	38	ME8792/Power Plant Engineering	79.49	Approached Friendly With Students
14	baskar-mech	MECH-A/7	37	ME8793/Process Planning And Cost Estimation	80.29	Approached Friendly with Students
15	rajesh-mech	MECH-A/7	36	OMF751/Lean Six Sigma	81.31	Improved Audible Voice In Class Room
16	karthi-mech	MECH-B/5	20	ME8501/Metrology And Measurements	92.98	Approached Friendly with Students
17	sureshbabu-mech	MECH-B/5	24	ME8593/Design Of Machine Elements	90.17	Approached Friendly with Students

S.no	Staff code	Branch /Sem	No. of students participated	Subject Code /Title	Total Out of 100	Action taken
18	vinothkumar-mech	MECH-B/5	18	ME8594/Dynamics Of Machines	85.22	Completed The Syllabus within The Time
19	mercyvasan-mech	MECH-B/5	23	ME8595/Thermal Engineering	85.37	Approached Friendly With Students
20	sathyanarayanan-mech	MECH-B/5	18	OAT552/Internal Combustion Engines	94.82	Approached Friendly with Students
21	ganesan-mech	MECH-B/7	49	ME8072/Renewable Sources Of Energy	88.15	Improved Audible Voice In Class Room
22	jothi-mech	MECH-B/7	49	ME8099/Robotics	87.51	Approached Friendly with Students
23	vigneshwar-mech	MECH-B/7	49	ME8791/Mechatronics	88.11	Approached Friendly with Students
24	amar-mech	MECH-B/7	51	ME8792/Power Plant Engineering	89.11	Evaluated the Papers Properly
25	ranjith-mech	MECH-B/7	49	ME8793/Process Planning And Cost Estimation	87.8	Completed The Syllabus within The Time
26	mrpadmanaban-mech	MECH-B/7	49	OMF751/Lean Six Sigma	86.31	Approached Friendly With Students

Action Taken based on Feedback Report:

- **All the faculty members were instructed to provide more remedial classes to the students who need it.**
- **It was directed to provide them extra study material and notes.**
- **Teachers have been advised to spend more time on topics deemed to be tough.**
- **Staff were instructed to follow student friendly approach in teaching process.**
- **Faculty were advised to keep a track on the pace of syllabus completion.**
- **Staff were instructed to meet the students and counsel them on timely basis.**
- **Faculty members were asked to give practical applications whenever possible.**

Feed Back Report of Mechanical Department during 2021-2022 Even Semester

S.no	Staff code	Branch /Sem	No. of students participated	Subject Code /Title	Total Out of 100	Action taken
1	ganesan-mech	AID-A/2	62	GE3251/Engineering Graphics	79.52	Doubts are Clarified for Students
2	mrpadmanaban-mech	CIVIL-A/8	13	GE8076/Professional Ethics In Engineering	76.55	Approached Friendly with Students
3	amar-mech	CSBS-A/2	51	GE3251/Engineering Graphics	90.08	Evaluated the Papers Properly
4	ranjith-mech	CSE-A/2	62	GE3251/Engineering Graphics	89.84	Conducted Meeting for Concern Students
5	vinothkumar-mech	CSE-B/2	53	GE3251/Engineering Graphics	75.51	Conducted Meeting for Concern Students
6	sriram-mech	ECE-A/2	54	GE3251/Engineering Graphics	91.53	Completed The Syllabus within The Time
7	shivaranjani-mech	ECE-B/2	54	GE3251/Engineering Graphics	90.23	Approached Friendly With Students
8	shivaranjani-mech	EEE-A/2	46	BE3255/Basic Civil And Mechanical Engineering	56.96	Approached Friendly with Students
9	rajesh-mech	EEE-A/2	46	GE3251/Engineering Graphics	77.82	Improved Audible Voice In Class Room
10	shivaranjani-mech	ICE-A/2	17	BE3255/Basic Civil And Mechanical Engineering	82.47	Approached Friendly with Students
11	sureshbabu-mech	ICE-A/2	17	GE3251/Engineering Graphics	88.54	Approached Friendly with Students
12	vigneshwar-mech	IT-A/2	59	GE3251/Engineering Graphics	88.95	Evaluated the Papers Properly
13	mrpadmanaban-mech	MECH-A/2	39	GE3251/Engineering Graphics	63.56	Approached Friendly with Students
14	vinothkumar-mech	MECH-A/4	56	CE8395/Strength Of Materials	68.72	Approached Friendly with Students
15	baskar-mech	MECH-A/4	70	ME8451/Manufacturing Technology - Ii	81.95	Approached Friendly with Students
16	mrpadmanaban-mech	MECH-A/4	71	ME8491/Engineering Metallurgy	76.56	Approached Friendly with Students
17	mahesh-mech	MECH-A/4	70	ME8492/Kinematics Of Machinery	92.46	Evaluated the Papers Properly
18	sriram-mech	MECH-A/4	71	ME8493/Thermal Engineering- I	82.34	Approached Friendly with Students

S.no	Staff code	Branch /Sem	No. of students participated	Subject Code /Title	Total Out of 100	Action taken
19	sathyanarayanan-mech	MECH-A/6	61	ME8096/Gas Dynamics And Jet Propulsion	87.61	Approached Friendly with Students
20	sureshbabu-mech	MECH-A/6	61	ME8651/Design Of Transmission Systems	92.98	Approached Friendly with Students
21	paramaguru-mech	MECH-A/6	61	ME8691/Computer Aided Design And Manufacturing	89.58	Evaluated the Papers Properly
22	baskar-mech	MECH-A/6	61	ME8692/Finite Element Analysis	82.04	Conducted Meeting for Concern Students
23	vigneshwar-mech	MECH-A/6	61	ME8693/Heat And Mass Transfer	87.52	Conducted Meeting for Concern Students
24	jayaprakash-mech	MECH-A/6	61	ME8694/Hydraulics And Pneumatics	81.05	Approached Friendly with Students
25	rajesh-mech	MECH-A/8	12	IE8693/Production Planning And Control	83.8	Evaluated the Papers Properly
26	mercyvasan-mech	MECH-B/6	72	ME8096/Gas Dynamics And Jet Propulsion	87.64	Approached Friendly with Students
27	rekha-mech	MECH-B/6	70	ME8651/Design Of Transmission Systems	80.85	Approached Friendly with Students
28	karthi-mech	MECH-B/6	70	ME8691/Computer Aided Design And Manufacturing	89.63	Evaluated the Papers Properly
29	ganesan-mech	MECH-B/6	68	ME8692/Finite Element Analysis	85.26	Approached Friendly with Students
30	amar-mech	MECH-B/6	70	ME8693/Heat And Mass Transfer	86.01	Approached Friendly with Students
31	jothi-mech	MECH-B/6	71	ME8694/Hydraulics And Pneumatics	80.24	Approached Friendly with Students
32	jayaprakash-mech	MECH-B/6	1	MG8591[8]/Principles Of Management	81.6	Approached Friendly with Students
33	ranjith-mech	MECH-B/8	24	IE8693/Production Planning And Control	88.25	Evaluated the Papers Properly

Action Taken based on Feedback Report:

- **Faculty members were asked to make strong preparation on topics to be discussed in the classroom.**
- **Faculty members were asked to be more punctual in correcting and distributing answer scripts.**
- **Staff members were instructed to strictly follow the syllabus plan.**
- **Faculty members were asked to make the classroom sessions more interactive.**
- **Staff members were asked to create enthusiasm among students for learning the subjects.**
- **Staff members were asked to update their subject knowledge regularly.**
- **Staff members were advised to ensure their audibility in the classroom.**
- **Faculty members were asked make justice to each and every topic taught in the classroom.**
- **Importance of fair evaluation of papers was explained to the faculty members.**
- **Staff members were asked to meet the students privately and discuss about their issues.**

Saranathan College of Engineering

Venkateswara Nagar, Tiruchirappalli- 620012

Department of Mechanical Engineering

Ref No. SCE/MECH/2021-22/ODD SEM/Faculty Feedback –reg

Hod remarks about student's feedback about the Faculty:

This message was personally communicated by the Hod to the faculty members. It was observed that the following faculty Mr. Sriramprasath Assistant professor and Dr. M.R. Ananthapadmanaban Associate professor of mechanical department has obtained students feedback of 79.49% and 79.33% for the subject ME8792/Power Plant Engineering and ME8072/Renewable Sources Of Energy respectively. It is taken the first feedback from the students during 2021-22 ODD Semester.

The discussion was aimed to know if the concerned faculty is having any issues regarding subject or the students. From the feedback given by the students, it was known that the subject has numerous formulas and students found difficult to understand the subject. Hence the faculty was advised to follow activity based teaching and make the students to understand the concept and solve the equation also instructed to give more number of tutorial problems. In addition, he was advised to motivate the students to contacting one-to-one.

Noted by

1. Mr. Sriram prasath
2. Dr. M.R.Ananthapadmanaban

HOD Principal

Saranathan College of Engineering

Venkateswara Nagar, Tiruchirappalli- 620012

Department of Mechanical Engineering

Ref No. SCE/MECH/2021-22/EVEN SEM/Faculty Feedback –reg

Hod remarks about student's feedback about the Faculty:

1. This message was personally communicated by the Hod to the faculty members. It was observed that the following faculty Ms. R.S. Shivaranjani Assistant professor and Mr. A. Vinoth kumar Assistant Professor of mechanical department has obtained students feedback of 56.96 % and 68.72% for the subject BE3255/Basic Civil And Mechanical Engineering and CE8395/Strength Of Materials respectively. It is taken the first feedback from the students during 2021-22 EVEN Semester.

The discussion was aimed to know if the concerned faculty is having any issues regarding subject or the students. From the feedback given by the students, it was known that the subject has numerous formulas and students found difficult to understand the subject. Hence the faculty was advised to follow activity based teaching and make the students to understand the concept and solve the equation also instructed to give more number of tutorial problems. In addition, he was advised to motivate the students to contacting one-to-one.

Noted by

2. Ms. R.S. Shivaranjani
3. Mr. A. Vinoth kumar

HOD Principal

SARANATHAN COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Program Advisory Committee Meeting – VII

AGENDA

Venue: ME 203 - PG Research Lab/ Dept. of Mech.Engg. **Date:**02/08/2021

Time: 10:00 am

Serial Number	Proposed Events
1	Welcome address by Principal
2	Strengthening CO-PO & CO-PSO attainment
3	Other important points
4	Vote of thanks

HOD/MECH

(Dr. G. Jayaprakash)

Principal

SARANATHAN COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Program Advisory Committee Meeting – VII

Academic Year: 2021-2022 **Date:** 02/08/2021

List of PAC members

Serial Number	Types of Stakeholders	Stakeholders	Name and Designation
1	Internal Stakeholder	Management Representative	Dr. D. Valavan, Principal
2		Department Representative	Dr. G. Jayaprakash Prof. & HOD/Mech
3		Program Coordinator	Dr. N. Baskar Prof., Mech
4		Placement coordinator	Dr. S. M. Giriraj Kumar Head, T&P
5		Faculty members	Dr. A. Mercy Vasan AP/Mech
6			Mr. R. Suresh Babu AP/Mech
7			Dr. M. Ganesan AP/Mech
8	External Stakeholder	Eminent Academician	Dr. S. Suresh Associate Professor, Department of Mechanical Engg, NIT-Trichy
9		Research Organization	Dr. I. Balasundar Scientist – F, Near net shape group, Aeronautical material division Defence Metallurgical Research Lab Hyderabad – 500 058
10		Research - Industry	Mr. M. Vivekanandan Manager, R&D, Uttam Industries, Tiruchirappalli
11		Industry	Dr. K. Devakumaran Sr. Engineer, WRI, BHEL, Trichy – 620 014, Tamilnadu.

12			Mr. G. Ajitha Prabhu Director, Kriatec Services (P) ltd Chennai.
13		Alumni	Mr. N. Sathyanarayanan (2008 – 2012)
14		Parents	Mr. C. Selvaraj No:18, Vincent Colony Williams Road, Cantonment, Trichy – 620 001.

Minutes of Meeting

- Our Principal Dr.D.Valavan, welcomed the members of seventh PAC meeting.
- A brief speech was given by Dr.N.Baskar, Professor, Department of Mechanical Engineering to felicitate Dr.G.Jayaprakash, Professor & Head, Department of Mechanical Engineering for being unanimously selected as Member of Syllabus Framing Sub-Committee for the second consecutive term.
- Our HOD briefed the PAC members about various activities carried out in the previous academic year to strengthen CO-PO attainment.
- Our Program Coordinator emphasized on focus area as well as plan for the AY 2021 -22.
- Dr.S.Suresh was impressed about number of training programs attended by faculty members and students during lockdown (online mode). He expects to include similar training programs for students in the current academic year also.
- Dr.I.Balasundar emphasized on the inclusion of a week-long orientation programme for the students, who are on the verge of coming to college physically after a long hiatus due to ravaging COVID-19 pandemic. He further insisted that this programme will prepare the students both physically and mentally for offline classes, to address mutual teething issues and provide a smooth transition from online mode of teaching to physical mode.
- Mr.M.Vivekanadhan seconded the thoughts of Dr.I.Balasundar and told that the above mentioned orientation programme will also help the faculty imminently and clear their apprehensions about the responsiveness of the students.
- Mr. Ajitha Prabhu expected that various points discussed in PAEC Meeting have to be conveyed to Syllabus Framing Sub-Committee. The suggestions given by the members of PAEC such as encouraging the students, who have completed their final semester subjects during their VI and VII semesters in fast track mode to do Internships in highly

reputed companies should be institutionalized by Anna University themselves for better prospects.

- The PAC, as a whole was quite impressed about various initiatives taken by faculty members for imparting academic knowledge to their respective students by various ICT tools during lockdown period.

Program Coordinator

(Dr. M. GANESAN)

HOD/Mech

(Dr. G. JAYAPRAKASH)

Principal

SARANATHAN COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Attendance sheet for Program Advisory Committee Meeting – VII

Date: 02/08/2021 **Venue:** ME 203 - PG Research Lab/ Dept. of Mech.Engg.

Time: 10:00 am

S.No	PAC Members	Signature
1	Dr.D.Valavan	
2	Dr.G.Jayaprakash	
3	Dr.N.Baskar	
4	Dr.S.M.Girirajkumar	
5	Dr.A.Mercyvasan	
6	Mr.R.SureshBabu	
7	Dr.M.Ganesan	
8	Dr.S.Suresh	
9	Dr.I.Balasundar	
10	Mr.M.Vivekanandan	
11	Dr.K.Devakumaran	
12	Mr.G.AjithaPrabhu	
13	Mr.N.Sathyanarayanan	
14	Mr.C.Selvaraj	

SARANATHAN COLLEGE OF ENGINEERING

Department of Mechanical Engineering

Action Taken Report on Program Advisory Committee Meeting

09/08/2021

Submitted to The Principal:

Ref: PAC meeting minutes (02/08/2021)

I. **Conduct of Value added courses (VACs)**

We have proposed to conduct following value added courses for this academic year.

Autodesk Inventor series for third year mechanical engineering students.

II. **Conduct of Webinar Presentation**

We have proposed to give opportunities to our students to conduct webinar presentation as a part of their curriculum.

Language laboratory, Design & Fabrication project and Final year project work.

III. **Conduct of Innovative project contest**

We have proposed to conduct innovative project contest for our final and third year students, in order to show case their innovative skills

IV. **Conduct of national/international conference**

We have proposed to conduct an Intra college symposium during this academic year

V. **Content beyond syllabus in theory and practical course**

We have planned to conduct various CBS for theory as well as practical course this academic year

VI. **Conduct of guest lectures**

We have planned to conduct various guest lectures in the following topics this academic year

Welding Technology, GD&T, NDT technology, CFD, etc.

(Dr.G. Jayaprakash)

HOD/Mech

SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF MANAGEMENT STUDIES

CLASS COMMITTEE MEETING

I YEAR / I SEMESTER (BATCH 2021 – 2023)

CC/MBA/2021/01 **Dated 02/12/2021**

Class Committee Meeting for I M.B.A Students was held on **02/12/2021** at **01.00**pm in the chamber of HOD/MBA.

1. Informed the students about the regulations of the M.B.A Programme and details of rules therein.

2. Informed the students about the details of regulations regarding the weightage used for each assessment. (i.e)

Theory Course:

Assessment – 1 (100 marks)

- ✓ (Assignment – 40, written test – 60)

Assessment – 2 (100 marks)

- ✓ (Assignment – 40, written test – 60)

Practical Course:

75 marks for successful completion of prescribed experiment done in lab and 25 marks for the test.

3. Informed the students about the academic schedule

- ➢ Dates of assessment
- ➢ Syllabus to be covered for each assessment.

4. Internship:

- ➢ Duration of Internship – 4 weeks
- ➢ Credit – 2

5. Project work:-

Project work has to be pursued for a period of 16 weeks during the final semester

In case the students is undertaking the project work in the department the students has to report every day to the supervisor either in physical mode or online mode.

Evaluation of the project work

Internal Assessment (40 Marks)

- ➢ Review – I (10)
- ➢ Review – II (15)
- ➢ Review – III (15)

End Semester Examination (60 Marks)

- Project Report Submission (15 Marks)
- Viva Voce (45 Marks)
  - Internal Examiner – 15
  - External Examiner – 15
  - Supervisor Examiner – 15.

6. Attendance:-

Every Student shall secure not less than 75 % of overall attendance in that semester.

7. Passing Requirement:

Students should secure not less than 50% of total marks prescribed for the course (Internal Assessment + End Semester University Examination) with a minimum of 45% of the marks prescribed for the end-semester university examination.

FACULTY MEMBERS:

1. Prof. B. S. Chandramouli -
2. Dr. V. Mahalakshmi -
3. Mr. K. Arun Prasad -
4. Mr. S. Syed Muthaliff -
5. Mr. J. Navaneetha Krishnan -

STUDENTS MEMBERS:

1. 247542 - RAM PRASAD. M -
2. 247528 - KEERTHANA. B -
3. 247530 - KRISHNA DOSS. A -
10. 247539 - PRIYADHARSHINI. R -

Mr. J. Navaneetha Krishnan
I year class coordinator

HOD/MBA

SARANATHAN COLLEGE OF ENGINEERING

DEPARTMENT OF MANAGEMENT STUDIES

Approved by AICTE & Affiliated to Anna University, Chennai.

Panjappur, Tiruchirappalli – 620012 Ph : 8489915213

CIRCULAR

CC/MBA/2021/01 **Dated 29/11/2021**

There will be a Class Committee Meeting for I M.B.A Students on **02/12/2021** at **1.00pm** in the chamber of HOD/MBA.

Dr.K.Karthikeyan
Professor & Head

FACULTY MEMBERS:

1. Prof. B. S. Chandramouli -
2. Dr. V. Mahalakshmi -
3. Mr. K. Arun Prasad -
4. Mr. S. Syed Muthaliff -
5. Mr. J. Navaneetha Krishnan -

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SARANATHAN COLLEGE OF ENGINEERING
Tiruchirappalli-620012

Dr.K.Karthikeyan., PhD.
Professor & Head

Ph: +91 8489915213

Date: 02.12.2021

Ref. No: MBA/12/2021
Submitted to Principal for Approval

Sir,

Sub:-Class Committee for I MBA (Batch 2021 – 23) – Reg.

Based on the Class committee held with the I MBA Students today (02.12.2021), I am submitting the following points for your kind perusal and approval.

1. It is also planned to devote one half day's class every week for student driven activities such as quiz, group discussion etc. which will be monitored and moderated by faculty.
2. Assignments in each subject on relevant topics which require lots of research and creativity need to be given to student so that they get involved in learning and develop an enthusiasm for the subject.
3. Student seminars which form part of the curriculum need to be organized for two hours every week wherein students need to make a presentation on topics related to business, ethics, Corporate Social Responsibility etc.

I kindly request you to approve the same

Sincerely,

Saranathan College of Engineering
Tiruchirappalli-12

FeedBack Report : MBA Month&Year: 1ST FEEDBACK Academic Year :2021-22ODD

S.no	staffcode	branch /Sem	No. partici pated	Subject Code /Title	(1) Does the faculty come Prepared for the Classes ?	(2) Subject Knowledge and Clarity of the Faculty	(3) Impartiality and Fairness to Students ?	(4) Interaction with Students by the faculty	(5) Valuable/Extra Information given during the Lectures by the faculty	(6) Enthusiasm for Subject ?	(7) Showing Concern and Care for Students?	(8) Punctuality in Evaluation of Exam Papers/ Assignments ?	(9) Whether Syllabus for IA Tests/ University Examination Completed steadily?	(10) Ability to Speak Loudly and Clearly	Total Out of
	Weigtage				**15.0**	**15.0**	**8.0**	**12.0**	**12.0**	**12.0**	**4.0**	**6.0**	**8.0**	**8.0**	**100**
1	arunprasad-mba	CSE-A/7	24	MG8591/Principles Of Management	12.38	12.12	6.27	8.70	8.90	9.10	2.97	4.80	6.40	5.73	77.37
2	navaneethakrishnan-mba	CSE-B/7	50	MG8591/Principles Of Management	12.78	12.90	6.78	10.22	10.27	10.32	3.49	5.18	6.85	6.72	85.52
3	syed-mba	IT-A/7	55	MG8591/Principles Of Management	12.11	11.89	6.25	9.38	9.21	9.38	3.04	4.87	6.52	6.81	79.45
4	navaneethakrishnan-mba	MBA-A/3	4	BA5003/Customer Relationship Management	14.25	14.25	7.60	11.40	11.40	11.40	3.80	5.40	7.20	7.20	93.90
5	karthikeyan-mba	MBA-A/3	4	BA5004/Integrated Marketing Communication	14.25	14.25	7.60	11.40	11.40	11.40	3.80	5.70	7.60	7.60	95.00
6	syed-mba	MBA-A/3	3	BA5005/Retail Marketing	15.00	14.00	8.00	12.00	12.00	12.00	3.73	6.00	8.00	8.00	98.73
7	chandramouli-mba	MBA-A/3	20	BA5008/Banking Financial Service Management	13.65	13.80	7.04	10.20	10.56	10.44	3.52	5.52	7.20	7.36	89.29
8	mahalakshmi-mba	MBA-A/3	19	BA5009/Corporate Finance	13.74	13.58	7.16	10.36	10.86	10.86	3.58	5.24	7.16	7.49	90.03
9	chandramouli-mba	MBA-A/3	19	BA5012/Security Analysis And Portfolio Management	13.74	13.26	7.24	10.36	10.48	10.74	3.54	5.37	7.16	7.07	88.96
10	mahalakshmi-mba	MBA-A/3	17	BA5014/Entrepreneurship Development	13.59	13.06	7.06	9.74	10.16	10.59	3.29	5.22	6.78	7.06	86.55
11	karthikeyan-mba	MBA-A/3	13	BA5015/Industrial Relations And Labour Welfare	14.54	14.54	7.88	11.45	10.71	11.26	3.51	5.63	7.26	7.63	94.40
12	navaneethakrishnan-mba	MBA-A/3	12	BA5016/Labour Legislation	13.75	13.00	6.53	10.60	11.00	10.60	3.67	5.30	7.33	7.20	88.98

13	arunprasad-mba	MBA-A/3	3	BA5025/Logistics Management	15.00	15.00	8.00	11.20	12.00	12.00	4.00	5.60	7.47	8.00	98.27
14	navaneethakrishnan-mba	MBA-A/3	7	BA5028/Project Management	14.14	14.14	7.31	10.97	11.31	11.31	3.77	5.66	7.54	7.31	93.49
15	syed-mba	MBA-A/3	6	BA5030/Supply Chain Management	14.00	14.00	7.47	11.20	11.20	11.20	3.60	5.60	7.20	7.47	92.93
16	arunprasad-mba	MBA-A/3	21	BA5301/International Business Management	13.86	13.43	7.01	10.29	10.74	10.63	3.54	5.49	7.09	7.16	89.23
17	syed-mba	MBA-A/3	22	BA5302/Strategic Management	13.64	13.77	7.13	10.58	10.69	10.47	3.56	5.24	7.13	6.91	89.12

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)

Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF MANAGEMENT STUDIES

Date: 21-07-2021

Ref No: SCE/MBA/2021-2022/Odd Sem. /Faculty feedback – reg.

Students' feedback about teachers regarding the efficacy of their teaching styles is collected every semester. The various parameters based on which the students assess the faculty are preparation of the faculty for the classes, subject knowledge and clarity of the faculty, impartiality and fairness of the faculty, student-faculty interaction, valuable/extra information given the faculty, enthusiasm for teaching, display of care and concern, punctuality in evaluation of assignments and test papers, steady completion of syllabus, ability to speak loudly and clearly etc. The total composite faculty feedback score is 100 and it is the summation of faculty scores on the specified parameters.

The faculty feedback from students was collected during the ODD Semester 2021-2022.

Based on individual staff feedback reports, it was found that the feedback score of 77.37% obtained by Prof. K. Arun Prasad who handled Principles of Management for final year Computer Science Engineering students was the lowest score.

The message was personally communicated by HOD to Prof. K. Arun Prasad and HOD sought to know if the faculty had faced difficulties in the specific class. The final year Computer Science Engineering students found it difficult to grasp theoretical concepts and the online mode of class for the first few days made it difficult for the faculty to check periodically if the students follow the subject. Ideas for making the classes livelier especially for an audience who are not exposed to theoretical subjects, for engaging the class by posing questions and welcoming student interactions were offered. It was recommended to facilitate inquiry based learning wherein a student-centered approach to teaching paves way for inquisitive learning as opposed to acquisitive learning (learning which is extrinsically motivated – for good grades and so on).

HOD/MBA

21.07.2021

Tiruchirapalli

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)

Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF MANAGEMENT STUDIES

CIRCULAR

01.02.20022

Our Department is conducting **Programme Advisory Committee** meeting on **08.02.2022 at MBA seminar hall by 10.30 AM**. During this meet, the activities towards improving the quality of offering provided to the students and new initiatives for the welfare of students will be discussed.

Hereby PAC Members are requested to attend the meeting.

HOD/MBA

Copy to:

1. Principal
2. All PAC Members

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)
Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF MANAGEMENT STUDIES

To

Dr. R. Subramanian,

Professor,

Bharathidasan Institute of Management (BIM),

Trichy – 620 014

Dear Sir,

Subject: Convening of Programme Advisory Committee Meeting – Reg.

Seasonal greetings to you,

We are pleased to have you as a **Member of Programme Advisory Committee** of Department of Management Studies, Saranathan College of Engineering - Tiruchirapalli.

The meeting of the members of Programme Advisory Committee has been arranged on **08.02.2022 (Tuesday) at MBA seminar hall by 10.30 AM**. We solicit your presence and seek your suggestions towards improving the quality of offering provided by the Department of Management Studies and ensuring that the students obtain positive outcomes in terms of learning and placements.

Thanking you,

HOD/MBA

01.02.2022

Tiruchirapalli

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)

Panjappur, Tiruchirapalli-620 012

DEPARTMENT OFMANAGEMENT STUDIES

To

Mr. A. Mohan,

Assistant Manager – Marketing,

Whirlpool Corporation,

Tanjore

Dear Sir,

Subject: Convening of Programme Advisory Committee Meeting – Reg.

We are glad to inform that you are nominated as a **Member of Programme Advisory Committee** of Department of Management Studies, Saranathan College of Engineering - Tiruchirapalli.

In this regard, a meeting has been arranged on **08.02.2022 (Tuesday) at MBA seminar hall by 10. 30 AM**. You are invited to attend the meeting.

Thanking you,

HOD/MBA

01.02.2022

Tiruchirapalli

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)
Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF MANAGEMENT STUDIES

To

Mr. Wonder Joky,

Director,

EIDOS Training Services (Pvt.) Limited,

Coimbatore

Dear Sir/Madam,

Subject: Convening of Programme Advisory Committee Meeting – Reg.

We are glad to have you as a **Member of Programme Advisory Committee** of Department of Management Studies, Saranathan College of Engineering - Tiruchirapalli. We hope our discussion will enable us to frame content beyond syllabus according to industry expectation from MBAs and facilitate placement and training.

In this regard, a meeting has been arranged on **08.02.2022 (Tuesday) at MBA seminar hall by 10.30 AM**. You are invited to attend the meeting.

Thanking you,

HOD/MBA

01.02.2022

Tiruchirapalli

SARANATHAN COLLEGE OF ENGINEERING

(Affiliated to Anna University Chennai)

Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF MANAGEMENT STUDIES

To

Shri. K. Santhanam,

F/o S. Adharsh,

F-5, Surya Towers, Phase I,

Raghavendrapuram,

Srirangam,

Trichy – 620 006

Mobile: 9659202174

Dear Sir/Madam,

Subject: Convening of Programme Advisory Committee Meeting – Reg.

We are glad to inform that you are nominated as a **Member of Programme Advisory Committee** of Department of Management Studies, Saranathan College of Engineering - Tiruchirapalli.

In this regard, a meeting has been arranged on **08.02.2022 (Tuesday) at MBA seminar hall by 10.30 AM**. You are invited to attend the meeting.

Thanking you,

HOD/MBA

01.02.2022

Tiruchirapalli

SARANATHAN COLLEGE OF ENGINEERING
(Affiliated to Anna University Chennai)
Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF MANAGEMENT STUDIES

14.02.2022

Programme Advisory Committee - Minutes of Meeting

VISION
To mould the college in to a Top class national/international centre of advanced learning, technology and research and enhance national human resource and its power.

Mission
To achieve excellence in business education, by adapting to the needs and challenges of dynamic and globally competitive business environment.

The PAC meeting of MBA Department was held on **08.02.2022** and the following points were discussed.

1 Syllabus for Training and Placement classes was discussed.

2 More number of campus placements need to be arranged.

3 Content beyond the syllabus for each subject was discussed in detail. Innovative teaching methods should be included in regular classes.

4 Students should be encouraged to present and publish their projects as paper in international conferences and journals.

5 Reputed companies should be identified and officials from those companies may be brought to the department for delivering lectures.

6 Students should be asked to enrol in online courses offered by IIT's NPTEL towards augmenting their knowledge. Students need to enrich their profile by upskilling themselves.

7 Students should be given opportunity to make power point presentations on topics of relevance to MBA students.

The following are the members who attended the meeting.

S.No	Name	Description	Signature
1.	Dr. D. Valavan	Principal	
2.	Prof. R. Subramanian, Associate Professor, Bharathidasan Institute of Management (BIM), Trichy	Member from Academic Institute	
3.	Mr. Wonder Joky, Director, EIDOS Training Services (Pvt.) Limited, Coimbatore	Member from Industry	
4.	Mr. A. Mohan, Assistant Manager – Marketing, Whirlpool Corporation, Tanjore	Member - Alumni	
5.	Shri. K. Santhanam, F/o S. Adharsh, F-5, Surya Towers, Phase 1, Raghavendrapuram, Srirangam, Trichy – 620 006 Mobile: 9659202174	Member - Parent	
6.	Dr. K. Karthikeyan	HoD	
7.	Mr. B.S.Chandramouli	Faculty	
8.	Dr. V. Mahalakshmi	Faculty	
9.	Mr. S. Syed Muthaliff	Faculty	
10.	Mr. K. Arun Prasad	Faculty	
11.	Mr. J. Navaneetha Krishnan	Faculty	

SARANATHAN COLLEGE OF ENGINEERING
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Panjappur, Tiruchirapalli-620 012

DEPARTMENT OF MANAGEMENT STUDIES

24-05-2022

Submitted to the Principal,

The Programme Advisory Committee (PAC) meeting of MBA Department was held on 08.02.2022 to improve the quality of offering provided by the Department of Management Studies. Based on the suggestions given by the committee, the following programmes were organised by the Department.

Events conducted till May 2022:

1) **Guest lectures on entrepreneurship, stock market investing have been organized.**
2) **Content beyond the syllabus in theory subjects has been added and the recent trends in the happenings of business are discussed among the students in the class. Students also are encouraged to share their learning of new management jargons and concepts in class.**
3) **Students made PowerPoint presentations on companies and products.**
4) **Faculty members have attended workshops and seminars.**
5) **Faculty members have attended ATAL Faculty Development Programmes.**
6) **Faculty members have presented research papers in international conferences.**
7) **Faculty members have published research papers in reputed journals.**

HOD-MBA