

R2013



Content Beyond Syllabus -EE6005- Power Quality

Year: IV/VII Sem A & B Sec

SEM:07REGULATION: 2013

PROGRAM: EEE

1. 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	PSO2
C405E4.1	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.2	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.3	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.4	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.5	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.6	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4	3	3	1	-	1	2	-	2	-	3	-	-	2	1

Table.2 Identification of content beyond syllabus

Content beyond syllabus added	POs strengthened/Vacant filled	CO/Unit
Measurement of harmonics-A practical approach	PO4(3) (vacant filled)	405E4.5 / V

3.Mapping of COs 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	PO11	PO12	PSO1	PSO2
C405E4.1	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.2	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.3	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.4	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4.5	3	3	1	3*	1	2	-	2	-	3	-	-	2	1
C405E4.6	3	3	1	-	1	2	-	2	-	3	-	-	2	1
C405E4	3	3	1	3	1	2	-	2	-	3	-	-	2	1

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Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : M. Marimuthu

Course Code & Name: IC 6501 & control system

Degree & Program : BE/ EEE

Semester & Section : V 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	PSO2
C306.1	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C306.2	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C306.3	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C306.4	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C306.5	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C306.6	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C306	3	2	1	1						2	1	2	1	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
Fuzzy logic controllers for power controllers	PO5(3) strengthened	C306/II

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	PO11	PO12	PSO1	PSO2
C306.1	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C306.2	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C306.3	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C306.4	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C306.5	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C306.6	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C306	3	2	1	1	3					2	1	2	1	2

M. Marimuthu

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty :Dr.S.Vijayalakshmi Course Code & Name: EE6502 & Microprocessor and Microcontroller
 Degree & Program :BE & EEE Semester & Section : V/ A & B
 Regulation : 2013

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	PSO2
C302.1	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.2	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.3	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.4	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.5	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.6	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302	3	2	2	2	2	1	1	1	1	2	2	2	2	2

II. Identification of content beyond syllabus.

Table.2 Identification of content beyond syllabus

Table.4 Identification of content beyond syllabus

Content beyond syllabus added	POs strengthened/Vacant filled	CO/Unit
Digital voltmeter using 8051	PO5(3) strengthened	C302.6/ 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	PO11	PO12	PSO1	PSO2
C302.1	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.2	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.3	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.4	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.5	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.6	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302	3	2	2	2	*3	1	1	1	1	2	2	2	2	2

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Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty: S. Ramprasath

Course Code & Name: Power Electronics & EE6503

Degree & Program: BE & EEE

Semester & Section: III & A & B

Regulation: 2013

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

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

Table with 15 columns (Course, PO1-PO12, PSO1-PSO2) and 7 rows (C304.1-C304.6, C304).

II. Identification of content beyond syllabus. Table.2 Identification of content beyond syllabus

Table.2 Identification of content beyond syllabus

Table with 3 columns (Content beyond syllabus added, POs strengthened/Vacant filled, CO/Unit) and 2 rows.

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

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

Table with 15 columns (Course, PO1-PO12, PSO1-PSO2) and 7 rows (C304.1-C304.6, C304).

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Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty: S. Ramprasath

Course Code & Name: Solid State Drives & EE8601

Degree & Program: BE & EEE

Semester & Section: III & A & B

Regulation: 2013

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	PSO2
C311.1	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.2	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.3	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.4	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.5	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.6	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311	3	2	2	1	-	-	-	-	-	2	1	2	2	2

II. Identification of content beyond syllabus. Table.2 Identification of content beyond syllabus

Table.2 Identification of content beyond syllabus

Content beyond syllabus added	POs strengthened/Vacant filled	CO/Unit
1. Simulation of converter fed dc motor drive in MATLAB\SIMULINK	C311 / C311.3(Po5)	C311.3/II
2. Simulation of V/F drive in MATLAB\SIMULINK	C311 / C311.4(Po5)	C311.4/III

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	PO11	PO12	PSO1	PSO2
C311.1	3	2	1	1						2	1	1	2	2
C311.2	3	2	1	1						2	1	1	2	2
C311.3	3	2	1	1	3*					2	1	1	2	2
C311.4	3	2	1	1	3*					2	1	1	2	2
C311.5	3	2	1	1						2	1	1	2	2
C311.6	3	2	1	1						2	1	1	2	2
C311	3	2	1	1						2	1	1	2	2

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Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : R.VIJAY

Course Code & Name: EE6602 /EMBEDDED SYSTEM

Degree & Program : B.E. & EEE

Semester & Section : VI & A and B

Mapping of COs, C, PSOs with Pos - before CBS.

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C312.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.4	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312	3	2	2	1	-	2	-	-	-	2	1	2	3	2

Identification of content beyond syllabus

Content Beyond Syllabus Added(CBS)	POs strengthened / vacant filled	CO / Unit
Proteus simulation tool	PO5(3) (strengthened)	C312.5 / V

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

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C212.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.4	3	2	2	1	-	2	-	1*	-	2	1	2	3	2
C212.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212	3	2	2	1	-	2	-	-	-	2	1	2	3	2

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Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : R.VIJAY

Course Code & Name: EE8701 & High voltage Engineering

Degree & Program : B.E. & EEE

Semester & Section : VII & A and B

Mapping of COs, C, PSOs with Pos - before CBS.

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C401.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.4	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401	3	2	2	1	-	2	-	-	-	2	1	2	3	2

Identification of content beyond syllabus

Content Beyond Syllabus Added(CBS)	POs strengthened / vacant filled	CO / Unit
Testing of Cables	PO5(3) (strengthened)	C401.5 / V

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

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C401.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.4	3	2	2	1	-	2	-	1*	-	2	1	2	3	2
C401.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401	3	2	2	1	-	2	-	-	-	2	1	2	3	2

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Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty	Mr.B.Paranthagan, Ms.C.Pearline Kamalini		
Course Code & Name	EE6504 & Electrical Machines-II		
Degree & Program	B.E. E.E.E	Semester & Section	V – 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	PSO2
C305.1	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.2	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.3	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.4	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.5	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.6	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305	3	2	1	1	-	-	-	-	-	2	1	2	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
Wind Power plant-introduction-Green energy-Power Demand-salient features-cost of installation-Government policy-principle of operation-Power rating-operation difficulties.	PO5 (2) Vacant filled	C305.1/ I
Harmonics issues using different types of starters-Demonstration	PO5 (2) Vacant filled	C305.2, C305.3, C305.4 & C305.5 / II, III, IV & 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	PO11	PO12	PSO1	PSO2
C305.1	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.2	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.3	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.4	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.5	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.6	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305	3	2	1	1	*2	-	-	-	-	2	1	2	2	2

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Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : Dr.S.Thamizharasan & P. Ramesh Babu
 Course Code & Name: EE 6604 Design of Electrical machines
 Degree & Program : B.E & EEE Semester & Section : IV/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	PSO2
C314.1	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C314.2	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C314.3	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C314.4	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C314.5	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C314.6	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C314	3	2	1	1	-	-	-	-	-	2	1	2	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
Computer aided design - Main dimensions of AC and DC machines by using MATLAB (Reference: CAD of Electrical Machines- K. S. Vishnu Murthy –B.S. Publications)	PO5(2) Vacant filled	C314.3 C314.4 C314.5& C314.6/ III & IV

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	PO11	PO12	PSO1	PSO2
C314.1	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C314.2	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C314.3	3	2	2	1	*2	-	-	-	-	2	1	2	2	2
C314.4	3	2	2	1	*2	-	-	-	-	2	1	2	2	2
C314.5	3	2	2	1	*2	-	-	-	-	2	1	2	2	2
C314.6	3	2	2	1	*2	-	-	-	-	2	1	2	2	2
C314	3	2	2	1	*2	-	-	-	-	2	1	2	2	2

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Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty: Mr.R.Satheesh

Course Code & Name: Power System Operation and control & EE6603

Degree & Program: BE & EEE

Semester & Section: VI & B

Regulation: 2013

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	PSO2
C313.1	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.2	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.3	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.4	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.5	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.6	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313	3	2	1	2	1	-	-	-	-	-	-	-	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
Solution of Economic Dispatch problem using Optimization Techniques	PO7(2) Vacant filled	C313.5 & C313.6 / Unit V

II. Mapping of COs 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	PO11	PO12	PSO1	PSO2
C313.1	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.2	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.3	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.4	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C313.5	3	2	1	2	1	-	*2	-	-	-	-	-	2	-
C313.6	3	2	1	2	1	-	*2	-	-	-	-	-	2	-
C313	3	2	1	2	1	-	*2	-	-	-	-	-	2	-

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HOD/EEE

R2017



Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty :**Dr.C.Krishnakumar P.K.Arun Kumar** Course Code & Name: **EE6702 & Protection and Switchgear**
 Degree & Program :**B.E. & EEE.** Semester & Section: **VII & ‘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	PSO2
C402.1	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402.2	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402.3	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402.4	2	2	2	1	1	2	-	-	-	2	1	2	3	2
C402.5	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402.6	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402	2	2	2	1	1	2	-	-	-	2	1	2	3	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
Microprocessor Based Relays	PO5 (2) strengthened	C402.4 / IV

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	PO11	PO12	PSO1	PSO2
C402.1	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402.2	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402.3	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402.4	2	2	2	1	*2	2	-	-	-	2	1	2	3	2
C402.5	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402.6	2	2	2	1	-	2	-	-	-	2	1	2	3	2
C402	2	2	2	1	*2	2	-	-	-	2	1	2	3	2

Signature of the Faculty

HoD/EEE



Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : M.Marimuthu Course Code & Name: IC 8451 & control system
 Degree & Program : BE/ EEE Your text here Semester & Section : IV 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	PSO2
C214.1	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C214.2	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C214.3	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C214.4	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C214.5	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C214.6	3	2	1	1	-	-	-	-	-	2	1	2	1	2
C214	3	2	1	1						2	1	2	1	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
Fuzzy logic controllers for power controllers	PO5(3) strengthened	C214/II

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	PO11	PO12	PSO1	PSO2
C214.1	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C214.2	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C214.3	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C214.4	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C214.5	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C214.6	3	2	1	1	3	-	-	-	-	2	1	2	1	2
C306	3	2	1	1	3					2	1	2	1	2

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SARANATHAN COLLEGE OF ENGINEERING
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : C.Pearline Kamalini

Course Code & Name: EC8353 –Electron Devices and Circuits

Degree & Program : B.E & EEE

Semester & Section : III & A

Regulation : 2017

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	PSO2
C205.1	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205.2	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205.3	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205.4	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205.5	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205.6	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205	3	2	2	1	-	-	-	-	1	2	1	2	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
Special purpose diodes, SMPS	PO5(2) Vacant filled	C205.1, C205.2/ I, II

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	PO11	PO12	PSO1	PSO2
C205.1	3	2	2	1	*2	-	-	-	1	2	1	2	2	2
C205.2	3	2	2	1	*2	-	-	-	1	2	1	2	2	2
C205.3	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205.4	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205.5	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205.6	3	2	2	1	-	-	-	-	1	2	1	2	2	2
C205	3	2	2	1	2	-	-	-	1	2	1	2	2	2

C. Pearlina Kamalini

Signature of the Faculty

AA

HoD/EEE



SARANATHAN COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty: S. Ramprasath

Course Code & Name: Power Electronics & EE8552

Degree & Program: BE & EEE

Semester & Section: III & A

Regulation: 2017

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	PSO2
C303.1	3	2	2	1	-	-	-	-	-	2	2	2	2	2
C303.2	3	2	2	1	-	-	-	-	-	2	2	2	2	2
C303.3	3	2	2	1	-	-	-	-	-	2	2	2	2	2
C303.4	3	2	2	1	-	-	-	-	-	2	2	2	2	2
C303.5	3	2	2	1	-	-	-	-	-	2	2	2	2	2
C303.6	3	2	2	1	-	-	-	-	-	2	2	2	2	2
C303	3	2	2	1	-	-	-	-	-	2	2	2	2	2

II. Identification of content beyond syllabus. Table.2 Identification of content beyond syllabus

Table.2 Identification of content beyond syllabus

Content beyond syllabus added	POs strengthened/Vacant filled	CO/Unit
Contest for Power converters	PO11(6) Vacant filled	C302.6

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	PO11	PO12	PSO1	PSO2
C303.1	3	2	2	1	-	-	-	-	-	2	2	2	2	2
C303.2	3	2	2	1	1*	-	-	-	1*	2	2	2	2	2
C303.3	3	2	2	1	1*	-	-	-	1*	2	2	2	2	2
C303.4	3	2	2	1	1*	-	-	-	1*	2	2	2	2	2
C303.5	3	2	2	1	1*	-	-	-	1*	2	2	2	2	2
C303.6	3	2	2	1	1*	-	-	-	1*	2	2	2	2	2
C303	3	2	2	1	1*	-	-	-	1*	2	2	2	2	2

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : Ms.C.Pearline Kamalini,AP/EEE

Course Code & Name: EE6703- Special Electrical Machines

Degree & Program : B.E/EEE

Semester & Section : VII/A

Regulation: 2013

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	PSO2
C403.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C403.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C403.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C403.4	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C403.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C403.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C403	3	2	2	1	-	2	-	-	-	2	1	2	3	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
Theory and property of magnets	PO5(2) (Vacant filled) C403.6/ V	C403.6/ 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	PO11	PO12	PSO1	PSO2
C212.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.4	3	2	2	1	2*	2	-	-	-	2	1	2	3	2
C212.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212	3	2	2	1	2*	2	-	-	-	2	1	2	3	2

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HoD/EEE



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : Ms.C.Pearline Kamalini Course Code & Name: EE8005 & Special Electrical Machines

Degree & Program : B.E. & EEE. Semester & Section: VI & 'B'

Regulation: 2017

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	PSO2
C314.1	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.2	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.3	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.4	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.5	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.6	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314	3	2	3	1	2	2	-	-	2	-	2	-	2	3

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
Computer control of special electrical machines	PO5(3)(Strengthened) C314.5 / V	C314.5 / 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	PO11	PO12	PSO1	PSO2
C314.1	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.2	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.3	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.4	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.5	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314.6	3	2	3	1	2	2	-	-	2	-	2	-	2	3
C314	3	2	3	1	2	2	-	-	2	-	2	-	2	3

Ms. C. Pearline Kamalini

Signature of the Faculty

[Signature]

HoD/EEE



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : Dr.K.Rajkumar
 Degree & Program : B.E & EEE

Course Code & Name: EE8301-Electrical Machines I
 Semester & Section : III & 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	PSO2
C210.1	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.2	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.3	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.4	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.5	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.6	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210	3	2	1	1	-	-	-	-	-	2	1	1	2	2

II. Identification of content beyond syllabus.

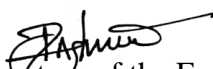
Table.2 Identification of content beyond syllabus

Details of Content Beyond Syllabus(CBS) added	POs strengthened/ vacant filled	CO/Unit
Computer aided design of DC Machines	PO5(2) Vacant filled	C210.5 & C210.6/ IV & 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	PO11	PO12	PSO1	PSO2
C210.1	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.2	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.3	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.4	3	2	1	1	-	-	-	-	-	2	1	1	2	2
C210.5	3	2	1	1	*2	-	-	-	-	2	1	1	2	2
C210.6	3	2	1	1	*2	-	-	-	-	2	1	1	2	2
C210	3	2	1	1	*2	-	-	-	-	2	1	1	2	2


 Signature of the Faculty


 HoD/BEE



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty :Dr.S.Vijayalakshmi Course Code & Name: Digital Logic Circuits & EE8351

Degree & Program :BE & EEE Semester & Section : III & A

Regulation : 2017

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	PSO2
C202.1	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C202.2	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C202.3	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C202.4	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C202.5	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C202.6	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C202	3	2	2	2	2	1	1	1	1	2	2	2	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
Introduction to verilog HDL, Comparison of verilog HDL and VHDL.	Po5(3) strengthened	C202.6/ 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	PO11	PO12	PSO1	PSO2
C202.1	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C202.2	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C202.3	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C202.4	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C202.5	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C202.6	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C202	3	2	2	2	*3	1	1	1	1	2	2	2	2	2

Signature of the Faculty

HoD/EEE



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty :Dr.S.Vijayalakshmi Course Code & Name: EE8551 & Microprocessor and Microcontroller
 Degree & Program :BE & EEE Semester & Section : V/ A & B
 Regulation : 2017

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	PSO2
C302.1	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.2	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.3	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.4	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.5	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302.6	3	2	2	2	2	1	1	1	1	2	2	2	2	2
C302	3	2	2	2	2	1	1	1	1	2	2	2	2	2

II. Identification of content beyond syllabus.

Table.2 Identification of content beyond syllabus

Table.4 Identification of content beyond syllabus

Content beyond syllabus added	POs strengthened/Vacant filled	CO/Unit
Digital voltmeter using 8051	PO5(3) strengthened	C302.6/ 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	PO11	PO12	PSO1	PSO2
C302.1	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.2	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.3	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.4	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.5	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302.6	3	2	2	2	*3	1	1	1	1	2	2	2	2	2
C302	3	2	2	2	*3	1	1	1	1	2	2	2	2	2

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : Dr. P.Ram Prakash & R.Sridhar
 Course Code & Name: EE8591 – Digital Signal Processing
 Degree & Program : B.E & EEE Semester & Section : V – 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	P10	P11	P12	PSO1	PSO2	PSO3
C304.1	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.2	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.3	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.4	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.5	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.6	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-

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
Computer Aided Design of Digital Filter: Design features- Finding suitable tool- Method of design-Verification	PO5 (strengthened)	C304.4 / IV

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	P10	P11	P12	PSO1	PSO2	PSO3
C304.1	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.2	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.3	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.4	3	2	2	1	2*	-	1	-	-	-	-	1	2	1	-
C304.5	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304.6	3	2	2	1	1	-	1	-	-	-	-	1	2	1	-
C304	3	2	2	1	1*	-	1	-	-	-	-	1	2	1	-

Signature of the Faculty

HoD/EEE



SARANATHAN COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty: S. Ramprasath

Course Code & Name: Solid State Drives & EE8601

Degree & Program: BE & EEE

Semester & Section: III & A

Regulation: 2017

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	PSO2
C311.1	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.2	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.3	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.4	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.5	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311.6	3	2	2	1	-	-	-	-	-	2	1	2	2	2
C311	3	2	2	1	-	-	-	-	-	2	1	2	2	2

II. Identification of content beyond syllabus. Table.2 Identification of content beyond syllabus

Table.2 Identification of content beyond syllabus

Content beyond syllabus added	POs strengthened/Vacant filled	CO/Unit
1. Simulation of converter fed dc motor drive in MATLAB\SIMULINK	C311 / C311.3(Po5)	C311.3/II
2. Simulation of V/F drive in MATLAB\SIMULINK	C311 / C311.4(Po5)	C311.4/III

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	PO11	PO12	PSO1	PSO2
C311.1	3	2	1	1						2	1	1	2	2
C311.2	3	2	1	1						2	1	1	2	2
C311.3	3	2	1	1	3*					2	1	1	2	2
C311.4	3	2	1	1	3*					2	1	1	2	2
C311.5	3	2	1	1						2	1	1	2	2
C311.6	3	2	1	1						2	1	1	2	2
C311	3	2	1	1						2	1	1	2	2

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SARANATHAN COLLEGE OF ENGINEERING
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : Mr.S.Ramprasath & Dr. P.Ram Prakash
 Course Code & Name: EE8703 – Renewable Energy Systems
 Degree & Program : B.E & EEE Semester & Section : VII – 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	P10	P11	P12	PSO1	PSO2	PSO3
C403.1	3	2	2	2	2	2	3	2	3	3	2	2	2	2	-
C403.2	3	2	2	2	2	2	3	2	3	3	2	2	2	2	-
C403.3	3	2	2	2	2	2	3	2	3	3	2	2	2	2	-
C403.4	3	2	2	2	2	2	3	2	3	3	2	2	2	2	-
C403.5	3	2	2	2	2	2	3	2	3	3	2	2	2	2	-
C403.6	3	2	2	2	2	2	3	2	3	3	2	2	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
Matlab Simulink Design of Renewable Energy Conversion Systems	PO5 (strengthened)	C403.1 - C403.6 / I to 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	P10	P11	P12	PSO1	PSO2	PSO3
C403.1	3	2	2	2	3*	2	3	2	3	3	2	2	2	2	-
C403.2	3	2	2	2	3*	2	3	2	3	3	2	2	2	2	-
C403.3	3	2	2	2	3*	2	3	2	3	3	2	2	2	2	-
C403.4	3	2	2	2	3*	2	3	2	3	3	2	2	2	2	-
C403.5	3	2	2	2	3*	2	3	2	3	3	2	2	2	2	-
C403.6	3	2	2	2	3*	2	3	2	3	3	2	2	2	2	-
C403	3	2	2	2	3*	2	3	2	3	3	2	2	2	2	-

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : R.VIJAY

Course Code & Name: EE6602 /EMBEDDED SYSTEM

Degree & Program : B.E. & EEE

Semester & Section : VI & A and B

Mapping of COs, C, PSOs with Pos - before CBS.

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C312.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.4	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C312	3	2	2	1	-	2	-	-	-	2	1	2	3	2

Identification of content beyond syllabus

Content Beyond Syllabus Added(CBS)	POs strengthened / vacant filled	CO / Unit
Proteus simulation tool	PO5(3) (strengthened)	C312.5 / V

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

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C212.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.4	3	2	2	1	-	2	-	1*	-	2	1	2	3	2
C212.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C212	3	2	2	1	-	2	-	-	-	2	1	2	3	2

R.Vijay

[Signature]

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Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : M. Marimuthu

Course Code & Name: EI8075 & Fiber optics and laser instruments

Degree & Program : BE/ EEE

Semester & Section : VII 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	PSO2
CEE405.1	3	2	1	1	-	-	-	-	-	2	1	2	1	2
CEE405.2	3	2	1	1	-	-	-	-	-	2	1	2	1	2
CEE405.3	3	2	1	1	-	-	-	-	-	2	1	2	1	2
CEE405.4	3	2	1	1	-	-	-	-	-	2	1	2	1	2
CEE405.5	3	2	1	1	-	-	-	-	-	2	1	2	1	2
CEE405.6	3	2	1	1	-	-	-	-	-	2	1	2	1	2
CEE405	3	2	1	1						2	1	2	1	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
Fibre optics measurements of Physical quantities	PO5(3) strengthened	CEE405/II

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	PO11	PO12	PSO1	PSO2
CEE405.1	3	2	1	1	3	-	-	-	-	2	1	2	1	2
CEE405.2	3	2	1	1	3	-	-	-	-	2	1	2	1	2
CEE405.3	3	2	1	1	3	-	-	-	-	2	1	2	1	2
CEE405.4	3	2	1	1	3	-	-	-	-	2	1	2	1	2
CEE405.5	3	2	1	1	3	-	-	-	-	2	1	2	1	2
CEE405.6	3	2	1	1	3	-	-	-	-	2	1	2	1	2
CEE405	3	2	1	1	3					2	1	2	1	2

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SARANATHAN COLLEGE OF ENGINEERING
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Department of Electrical and Electronics Engineering

Identification of Curricular Gap & Content Beyond Syllabus (CBS)

Name of the Faculty : Dr.K.Rajkumar Course Code & Name : GE8076 – Professional Ethics
in Engineering
Degree & Programme : B.E & EEE Semester & Section : VIII & A

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	PSO2	PSO3
409.1	2	2	1	1	1	1	-	-	-	1	1	1	-	2	-
409.2	2	2	1	1	1	1	-	-	-	1	1	1	-	2	-
409.3	2	2	1	1	1	1	-	-	-	1	1	1	-	2	-
409.4	2	2	1	1	1	1	-	-	-	1	1	1	-	2	-
409.5	2	2	1	1	1	1	-	-	-	1	1	1	-	2	-
409.6	2	2	1	1	1	1	-	-	-	1	1	1	-	2	-

II. Identification of content beyond syllabus

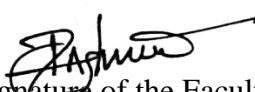
Table.2 Identification of content beyond syllabus

Details of Content Beyond Syllabus (CBS) added	POs strengthened/Vacant filled	CO/Unit
Research Ethics	PO4 and PO5	Unit III, IV, and V

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

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	PSO3
409.1	2	2	1	1	1	1	-	-	-	1	1	1	-	2	-
409.2	2	2	1	1	1	1	-	-	-	1	1	1	-	2	-
409.3	2	2	1	3*	3*	1	-	-	-	1	1	1	-	2	-
409.4	2	2	1	3*	3*	1	-	-	-	1	1	1	-	2	-
409.5	2	2	1	3*	3*	1	-	-	-	1	1	1	-	2	-
409.6	2	2	1	3*	3*	1	-	-	-	1	1	1	-	2	-


Signature of the Faculty


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Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty :Dr.S.Vijayalakshmi / B
 Paranthagan
 Degree & Program : BE/ EEE

Course Code & Name: EE6008&
 Microcontroller based system design
 Semester & Section : VII 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	PSO2
C406.1	3	2	2	1	1	1	-	-	-	2	2	2	2	2
C406.2	3	2	2	1	1	1	-	-	-	2	2	2	2	2
C406.3	3	2	2	1	1	1	-	-	-	2	2	2	2	2
C406.4	3	2	2	1	1	1	-	-	-	2	2	2	2	2
C406.5	3	2	2	1	1	1	-	-	-	2	2	2	2	2
C406.6	3	2	2	1	1	1	-	-	-	2	2	2	2	2
C406	3	2	2	1	1	1	-	-	-	2	2	2	2	2

II. Identification of content beyond syllabus.

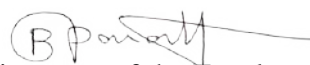
Table.2 Identification of content beyond syllabus

Details of Content Beyond Syllabus(CBS) added	POs strengthened/ vacant filled	CO/Unit
Development of assembly language programs using MPLAB	PO4(2) strengthened	C406.3/ III

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	PO11	PO12	PSO1	PSO2
C406.1	3	2	2	2*	1	1	-	-	-	2	2	2	2	2
C406.2	3	2	2	2*	1	1	-	-	-	2	2	2	2	2
C406.3	3	2	2	2*	1	1	-	-	-	2	2	2	2	2
C406.4	3	2	2	2*	1	1	-	-	-	2	2	2	2	2
C406.5	3	2	2	2*	1	1	-	-	-	2	2	2	2	2
C406.6	3	2	2	2*	1	1	-	-	-	2	2	2	2	2
C406	3	2	2	2*	1	1	-	-	-	2	2	2	2	2


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : B
 Paranthagan/N.Vijayasarithi
 Degree & Program : BE/ EEE

Course Code & Name: EE6010& HVDC
 Transmission
 Semester & Section : VII A&B

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

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

Course	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C410.1	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.2	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.3	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.4	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.5	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.6	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410	2	2	1	1	-	-	-	-	-	2	1	2	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
Simulation of HVDC systems	PO5 (3) Vacant filled	C410.4, C410.5, C410.6

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	PO11	PO12	PSO1	PSO2
C410.1	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.2	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.3	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.4	2	2	1	1	3*	-	-	-	-	2	1	2	2	2
C410.5	2	2	1	1	3*	-	-	-	-	2	1	2	2	2
C410.6	2	2	1	1	3*	-	-	-	-	2	1	2	2	2
C410	2	2	1	1	3	-	-	-	-	2	1	2	2	2

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : B
 Paranthagan/Dr.S.Vijayalakshmi
 Degree & Program : BE/ EEE

Course Code & Name: EE8010& HVDC
 Transmission
 Semester & Section : VII A&B

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

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

Course	PO 1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C410.1	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.2	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.3	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.4	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.5	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.6	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410	2	2	1	1	-	-	-	-	-	2	1	2	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
Simulation of HVDC systems	PO5 (3) Vacant filled	C410.4, C410.5, C410.6

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	PO11	PO12	PSO1	PSO2
C410.1	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.2	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.3	2	2	1	1	-	-	-	-	-	2	1	2	2	2
C410.4	2	2	1	1	3*	-	-	-	-	2	1	2	2	2
C410.5	2	2	1	1	3*	-	-	-	-	2	1	2	2	2
C410.6	2	2	1	1	3*	-	-	-	-	2	1	2	2	2
C410	2	2	1	1	3	-	-	-	-	2	1	2	2	2


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : R.VIJAY

Course Code & Name: EE8701&High voltage Engineering

Degree & Program : B.E. & EEE

Semester & Section : VII & A and B

Mapping of COs, C, PSOs with Pos - before CBS.

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C401.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.4	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401	3	2	2	1	-	2	-	-	-	2	1	2	3	2

Identification of content beyond syllabus

Content Beyond Syllabus Added(CBS)	POs strengthened / vacant filled	CO / Unit
Testing of Cables	PO5(3) (strengthened)	C401.5 / V

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

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C401.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.4	3	2	2	1	-	2	-	1*	-	2	1	2	3	2
C401.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C401	3	2	2	1	-	2	-	-	-	2	1	2	3	2

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Signature of the Faculty

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty	Mr.B.Paranthagan, Ms.C.Pearline Kamalini		
Course Code & Name	EE6504 & Electrical Machines-II		
Degree & Program	B.E. E.E.E	Semester & Section	V – 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	PSO2
C305.1	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.2	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.3	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.4	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.5	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305.6	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305	3	2	1	1	-	-	-	-	-	2	1	2	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
Wind Power plant-introduction-Green energy-Power Demand-salient features-cost of installation-Government policy-principle of operation-Power rating-operation difficulties.	PO5 (2) Vacant filled	C305.1/ I
Harmonics issues using different types of starters-Demonstration	PO5 (2) Vacant filled	C305.2, C305.3, C305.4 & C305.5 / II, III, IV & 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	PO11	PO12	PSO1	PSO2
C305.1	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.2	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.3	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.4	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.5	3	2	1	1	*2	-	-	-	-	2	1	2	2	2
C305.6	3	2	1	1	-	-	-	-	-	2	1	2	2	2
C305	3	2	1	1	*2	-	-	-	-	2	1	2	2	2

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Identification of curricular gap & Content Beyond Syllabus (CBS)

Name of the Faculty: Mr.R.Satheesh

Course Code & Name: Power System Operation and Control & EE8702

Degree & Program: BE & EEE

Semester & Section: VII & B

Regulation: 2017

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	PSO2
C402.1	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.2	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.3	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.4	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.5	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.6	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402	3	2	1	2	1	-	-	-	-	-	-	-	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
Solution of Economic Dispatch problem using Optimization Techniques	PO7(2) Vacant filled	C402.5 & C402.6 / Unit V

II. Mapping of COs 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	PO11	PO12	PSO1	PSO2
C402.1	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.2	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.3	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.4	3	2	1	2	1	-	-	-	-	-	-	-	2	-
C402.5	3	2	1	2	1	-	*2	-	-	-	-	-	2	-
C402.6	3	2	1	2	1	-	*2	-	-	-	-	-	2	-
C402	3	2	1	2	1	-	*2	-	-	-	-	-	2	-

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Identification of curricular gap & Content Beyond Syllabus(CBS)

Name of the Faculty : Mr.R.Satheesh,AP/EEE

Course Code & Name: EE8402- Transmission and Distribution

Degree & Program : B.E/EEE

Semester & Section : IV 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	PSO2
C211.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.4	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211	3	2	2	1	-	2	-	-	-	2	1	2	3	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
Field Trip	PO8(1) (Vacant filled) C212.4/IV	C211.4/IV

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	PO11	PO12	PSO1	PSO2
C211.1	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.2	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.3	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.4	3	2	2	1	-	2	-	1*	-	2	1	2	3	2
C211.5	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211.6	3	2	2	1	-	2	-	-	-	2	1	2	3	2
C211	3	2	2	1	-	2	-	1*	-	2	1	2	3	2

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