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CRITERION – 1.4.1

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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 /2017

09.06.2017

Minutes of the PAC meeting

Program Advisory Committee meeting with all stakeholders to discuss about the CO – PO and CO – PSO attainment of 2011-2015 batch of EEE graduates held on 09.06.2017 Friday at 10.00 am in the EEE Seminar Hall.

The following PAC members were Present:

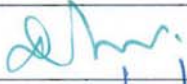


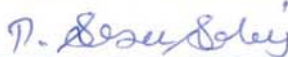



S.No.	Type of stakeholder	Stakeholder	Name and Designation
1	Internal stakeholder	Management Representative	Dr.D.Valavan, Principal.
2		Faculty	1. Dr.C.Krishnakumar, Professor & HoD/EEE, 2. All Faculty Members.
3		Supporting Staff	Mr.T.Sesu Selvaraj, Laboratory Assistant.
4		Students	1. Mr.V.Harisankaran – IV Year 2. Ms.R.Rajalakshmi – IV Year
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.G.Venkatesan 15-E, Type I Quarters , Block - 19, Neyveli, Cuddalore-607803. 2. Mr.R.Ramakrishnan 66, West Street, Veereswaram, Srirangam, Tiruchirappalli-620006.
		Eminent Academician	Dr.M.Premalatha, Assistant Professor, Energy and Environment (CEESAT) NIT Trichy, Tamil Nadu - 620015.

- HoD greeted the members present and delivered the welcome address. He 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 Coordinator (PC) Mr.R.Balasubramanian, Associate Professor/EEE, introduced the Committee Members of the Program Advisory Committee (PAC) of the EEE Program and publicized the Vision, Mission of the Department and PEOs, POs, PSOs of the EEE Program.
- PC projected the CO – PO and CO – PSO attainment for 2012-2016 batch graduates of EEE to the PAC members and gathered the action taken for the improvement of CO – PO attainment for the forthcoming batch students.

Batch	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
2011-2015	1.94	1.48	1.34	1.04	1.15	1.25	2.21	1.4	1.76	1.56	1.17	1.41	1.45	1.56
Percentage	64.67	49.33	44.67	34.67	38.33	41.67	73.67	46.67	58.67	52.00	39.00	47.00	48.33	52.00
2012-2016	1.87	1.44	1.30	1.02	1.15	1.14	2.00	1.35	1.64	1.45	1.09	1.32	1.34	1.47
Percentage	62.17	48.16	43.43	33.84	38.32	38.15	66.82	44.85	54.81	48.36	36.41	43.87	44.57	49.02

- The following views were congregated from the stake holders regarding the action plans to be taken for the forthcoming batches to attain POs and PSOs through value additions.
- Expert from Industry Er.R.Murali, specified the expectations of industries from the graduates and opportunities available for Engineers in various industries. He explained the need of Renewable Energy/solar power and its impact on Indian power sector and encouraged to adapt solar based lighting system in the college. He briefed about the subsidy schemes by Government of India and TEDA. He also suggested to conduct value added programs in PCB design and embedded systems.
- Alumni Er.A.G.Balaji Ponnambalam, talked about placement training and companies visiting the campus for recruitment. He praised the college for bringing the top companies for placement. He suggested that internships can be arranged for students to create awareness about industry expectations.
- Alumni Er.R.Shantha Devi, cherished the development of Institution and recommended to conduct value added programs on Python, Java, C and C++ to increase the employability of the students in software industry.
- Professional Society Member Dr.S.Venkatanarayanan, encouraged to apply financial grant to various professional chapters for the conduct of co-curricular activities such as seminar/workshop/conference and shared his views about effective conduct of co-curricular activities that helps to attain the CO – PO and CO – PSO attainment.

- Student Representatives Mr.V.Harisankaran and Ms.R.Rajalakshmi requested to arrange industrial visit to enhance their technical skills.
 - Parents Mr.G.Venkatesan and Mr.R.Ramakrishnan suggested on arranging more campus interviews to enhance the students' career.
 - Expert from Research Organization Er.V.Kaviraj, gave inputs regarding research activities. He explained the need of research committee and advised to categorize the faculty based on expertise is clearly pointed out by him. He encouraged to send funding proposals to various funding agencies and suggested to establish Centre of excellence laboratory in collaboration with various industries.
 - Eminent Academician Dr.M.Premalatha, shared her views about effective conduct of laboratory and assessment methods used in leading universities and asked to follow the same in the college and this will help to improve the CO – PO and CO – PSO attainment and suggested to use ICT tools in the classrooms to enhance the students learning also briefed about various learning methods. Also recommended to purchase reference books written by foreign authors and standard books for all courses.
- The members of PAC suggested and approved to take any of the following measures to strengthen the CO – PO and CO – PSO attainment for the forthcoming batches of EEE Program:
- ❖ Conduct of Value Added Courses (VACs)
 - ❖ Conduct of Seminar presentation
 - ❖ Conduct of innovative project contest
 - ❖ Conduct of national/international conference
 - ❖ Content beyond syllabus in theory and practical courses
 - ❖ Conduct of Guest lectures
 - ❖ Conduct of Mini project

S.No	Name of the PAC Member	Signature
1	Dr. D. V. RAO	
2	Dr. C. Krishnakumar	
3	R. Balasubramanian	
4	T. SESU SELVA RAJ	
5	V. Kaviraj	
6	R. Murali	
7	G. VENKATESAN	

S.No	Name of the PAC Member	Signature
8	Dr. M. PREMALATHA	M. Premalatha
9	R. RAMAKRISHNAN	R. Ramakrishnan
10	S. Venkatesanayagan	S. V. Venkatesanayagan
11	R. SHANTHA DEVI	Shantha devi
12	S. Gopal Iyer	S. Gopal Iyer
13	R. RAJALAKSHMI	R. Rajalakshmi
14	A. G. BALAJI PONNAMBALAM	A. G. Balaji Ponnambalam
15	V. Harisankaran	V. Hari


HoD/EEE

Copy to

The Principal Office

The dept. circular file (for circulation among Faculty Members)



SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, NBA Accredited)

Affiliated to Anna University, Chennai)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

09.01.2018

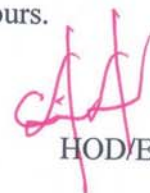
Submitted to the Principal:

The Program Advisory Committee (PAC) meeting has been conducted on 03.05.2017 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 2017-18

S.No	Name of the programme	Duration
1	One day Workshop on "Grid connected and Solar PV plant design using PVSYST"	28-07-2017 (1 day)
2	Two day Workshop on "Multi-functional Measuring Instruments"	20-12-2017 to 21-12-2017 (2 days)
3	One day Workshop on Robotics - tech show by axis global automation	24-12-2017 (1 day)
4	Two days NSVC workshop (National Solar Vehicle challenge)	10-12-2017 to 11-12-2017 (2 days)
5	Energy Day Celebration - The Role of Engineers in a Developing India.	15-09-2017 (1 day)

2. Content beyond the Syllabus in Theory course and practical course have been added. The recent trends and technological improvements in the fields related to the corresponding courses are explained to the students by the faculty members for one or two hours.

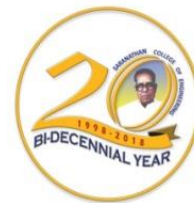

HOD/EEE



Saranathan College of Engineering

Department of Mechanical Engineering

Alumini Feed Back Questioner (2014-2018 Batch)



1	An ability to apply knowledge of mathematics and engineering fundamentals to solve problems.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>
2	An ability to identify and analyze complex engineering problems.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>
3	An ability to design system with due concern for public health, safety, societal and Environmental issues.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>
4	An ability to use design of experiments, data analysis and synthesis of information in order to provide valid conclusions.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>
5	An ability to apply the knowledge of the modern techniques like CAD, CAM, CAE etc to practical Problems.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>
6	An ability to apply knowledge to assess societal, health, safety and cultural issues relevant to the professional Engineering practice.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>
7	An ability to understand the effect of professional engineering solutions in societal and environmental context for sustainable development.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>
8	An ability to apply ethical principles and comply with professional ethics and responsibilities.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>
9	An ability to function as an individual, a team member or leader in diverse teams.
	<div><input checked="" type="radio"/> Substantial (High)</div> <div><input type="radio"/> Moderate (Medium)</div> <div><input type="radio"/> Slight (Low)</div>

10	An ability to communicate effectively with the team members, engineering community and society by means of reports, design documentations, presentations, etc.,	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
11	An ability to apply the knowledge of Engineering and Management principles in project management.	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
12	An ability to engage in independent and lifelong learning in the broadest context of technological change.	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
13	Apply engineering knowledge to develop machines, equipments, process and systems for the benefit of society & self.	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
14	Develop job ready, billable and employable professionals familiar with best practices of industries.	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
15	Apply their acquired knowledge in the domain of applied mechanics, thermal and fluid sciences to solve engineering problems utilizing latest tools.	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
16	Does the Department of Mechanical Engineering satisfy your expectations?	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
17	Do you think that the Department of Mechanical Engineering prepared you for employment in your core area?	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
18	Does the curriculum of Mechanical Engineering satisfy your academic requirements to compete with other graduates of the same program in other institutions?	<input checked="" type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input type="radio"/> Slight (Low)
19	Are you satisfied with the use of modern engineering tools and engineering codes of practice related Mechanical Engineering during your course of study?	<input type="radio"/> Substantial (High)	<input type="radio"/> Moderate (Medium)	<input checked="" type="radio"/> Slight (Low)
20	Are you satisfied with the teaching methodology and content delivery of Mechanical Engineering program? .			

	<div> <input checked="" type="radio"/> Substantial (High) </div> <div> <input type="radio"/> Moderate (Medium) </div> <div> <input type="radio"/> Slight (Low) </div>
21	Do you think that the Mechanical Engineering program have given you an exposure to R &D activities? <div> <input checked="" type="radio"/> Substantial (High) </div> <div> <input type="radio"/> Moderate (Medium) </div> <div> <input type="radio"/> Slight (Low) </div>
22	Are you confident enough that the Mechanical program has prepared you to practice as a professional Engineer after 3 years from now? <div> <input checked="" type="radio"/> Substantial (High) </div> <div> <input type="radio"/> Moderate (Medium) </div> <div> <input type="radio"/> Slight (Low) </div>
23	Are you satisfied with the faculty competency? <div> <input checked="" type="radio"/> Substantial (High) </div> <div> <input type="radio"/> Moderate (Medium) </div> <div> <input type="radio"/> Slight (Low) </div>
24	Do you recommend the Mechanical Engineering program of SCE to others? <div> <input checked="" type="radio"/> Substantial (High) </div> <div> <input type="radio"/> Moderate (Medium) </div> <div> <input type="radio"/> Slight (Low) </div>