

## FEEDBACK FROM STAKEHOLDERS AND ACTION TAKEN

(2018 -2019)

The department has formal and informal mechanisms to obtain feedback from stakeholders through various committees, associations, organization, etc.

### **1.a. Students Feedback**

- Students requested practical-oriented teaching for all the subjects.
- Students requested an interaction session with senior students.
- Guidance in writing research paper article

### **1.b. Employers Feedback:**

- Required training programming on new technologies and mini projects before sitting for placement will help the students.
- Need to concentrate on core subjects.
- Need to focus on Programming skills and engineering basics.

### **1.c. Parents Feedback:**

- Additional classes needed for programming subject.
- Fees structure to be reduced
- Overall, the parents were happy about the hostel stay and felt good with the ambience which has been created for the students.

### **1.d. Alumni Feedback:**

- The alumnus has expressed that they enjoyed the healthy environment, infrastructure, well-established lab, also highly qualified and experienced faculty in Electrical and Electronics Engineering.
- Required training programming on emerging technologies.

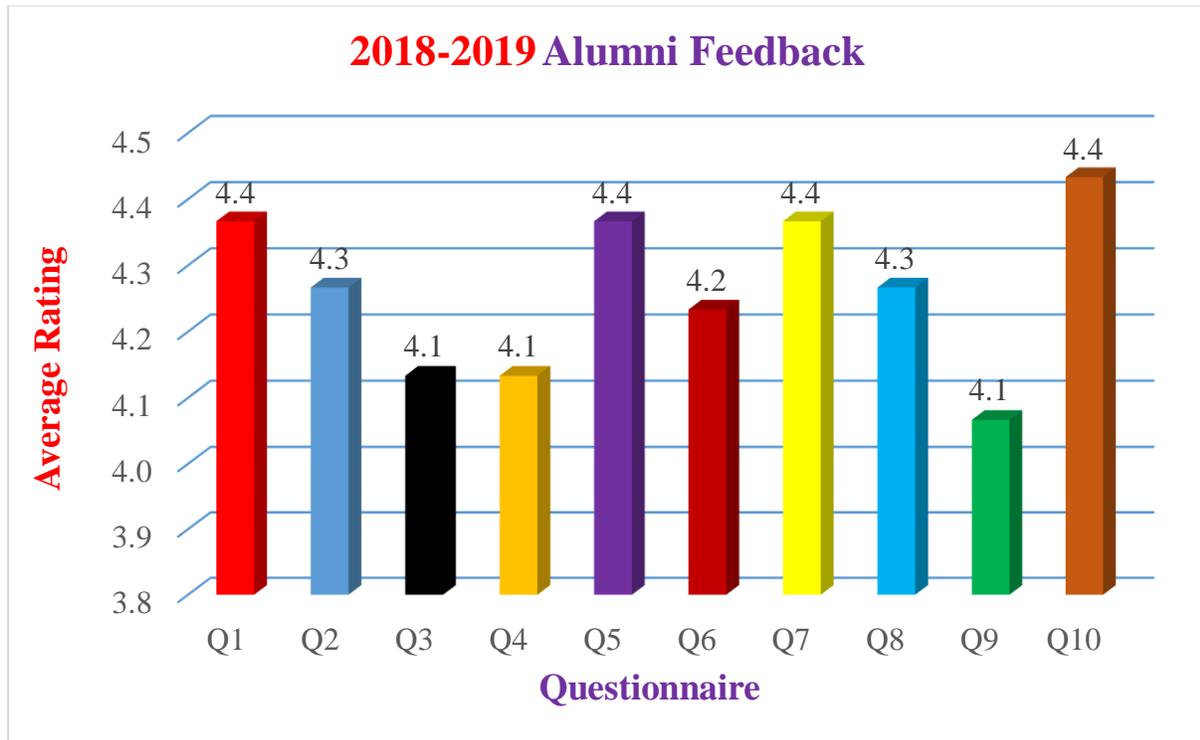
## FEEDBACK ANALYSIS

### **Alumni Feedback:**

#### **Questionnaire for Alumni Feedback:**

1. Ability acquired to apply technical knowledge in identifying and analyzing engineering problems.
2. Ability acquired to integrate knowledge in providing solution for problems with multidisciplinary approach.
3. Ability acquired to continue learning new technologies, processes and domains.
4. Understand professional and ethical responsibilities as a engineer.
5. Be aware of the need for, and improved my ability to engage in life - long learning.

6. Be aware of contemporary issues.
7. Understand and appreciate the impact of engineering in the social and global contexts.
8. Seminars, workshop and add-on programs.
9. Special training classes to bridge the industry – academic gap.
10. Were you benefited by the mentoring system in the department?

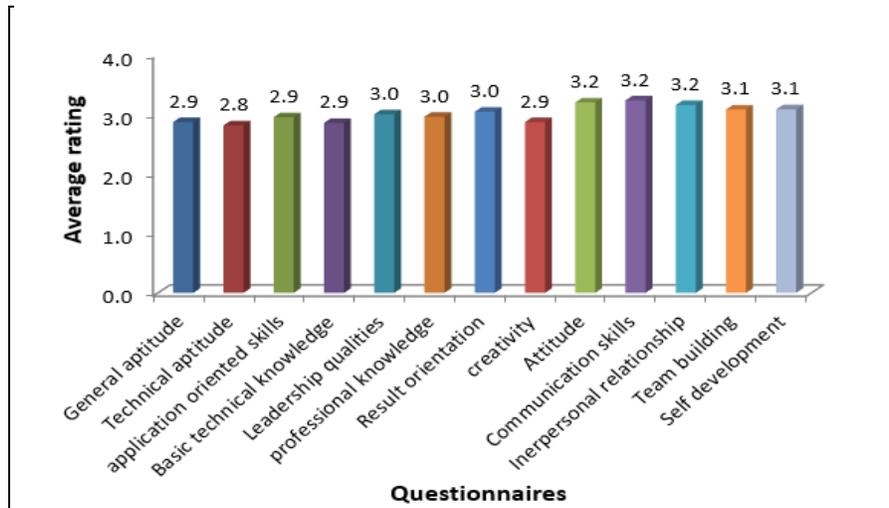


### Feedback from Employer

#### Questionnaire for Employer Feedback:

- Q1. General aptitude
- Q2. Technical aptitude
- Q3. Application oriented skills
- Q4. Basic technical knowledge
- Q5. Leadership qualities
- Q6. Professional knowledge
- Q7. Result orientation
- Q8. Creativity
- Q9. Attitude
- Q10. Communication skills
- Q11. Interpersonal relationship
- Q12. Team building
- Q13. Self-development

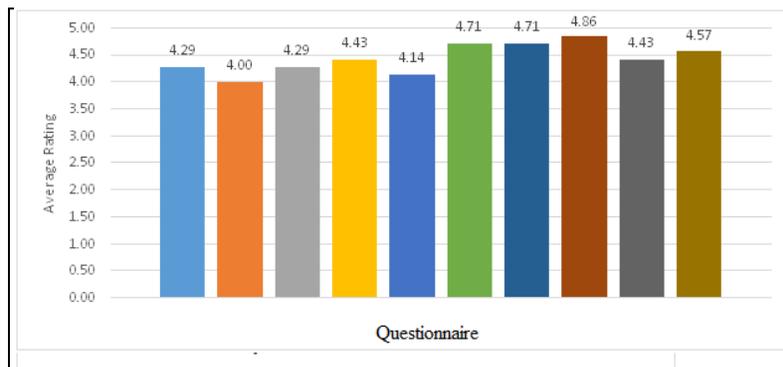
**Rating Scale (0 to 4)**



**Feedback from Parents**

**Questionnaire for Parents Feedback:**

- P1. The Curriculum of the course is well designed and promotes learning experience to the students.
- P2. The Curriculum incorporates technical advancements in the relevant field of study.
- P3. Does the Choice Based Credit System (CBCS) adapted in the Curriculum improve the academic flexibility?
- P4. Employability is given focus in the curriculum design.
- P5. Value Added Programmes like Communication Skills/Soft Skills development are added in the Curriculum.
- P6. Whether adequate technical guidance given to your ward for completion of Quality Assessment/Project Work
- P7. Does the department encourage the students to participate in Inter-Collegiate/Inter-Institutional Technical Fest?
- P8. Does the mentor of your ward offer a good mentoring?
- P9. Does the mentor communicate to you often about the academic status of your ward?
- P10. Does the mentor offer personal counselling to your ward when needed?



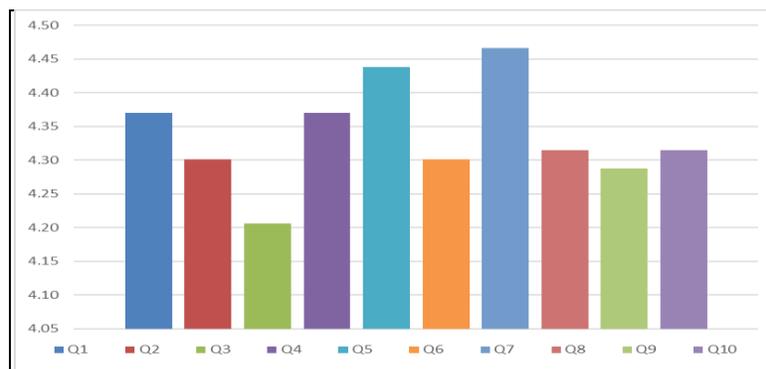
## Feedback from Students

### Questionnaire for Students Feedback:

- Q 1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Q 2. Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Q 3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations
- Q 4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Q 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- Q 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

### **Program Specific Outcome**

- Q 7. Provide solid foundation in mathematical, scientific and engineering fundamentals which is required to solve electrical and electronics engineering problems
- Q 8. Specify, architect, analyze and design the systems that efficiently generate, transmit, distribute, convert and utilize electric power.
- Q 9. Understand, analyze, simulate and design the electrical machines, modern electrical drives, modern lighting systems, energy systems and automation of systems and to determine their performance through testing.
- Q 10. Specify, analyze, design, implement and test the analog and digital systems using the state of art components, software tools and ICT





# Karumma INSTITUTE OF TECHNOLOGY AND SCIENCES

(Declared as Deemed to be University under Sec. 3 of the UGC Act, 1956)

A CHRISTIAN MINORITY RESIDENTIAL INSTITUTION

AICTE Approved & NAAC Accredited

School of Engineering & Technology

Department of Electrical & Electronics Engineering

FEEDBACK FORM FOR VISION, MISSION & PEOs FROM PARENTS	
NAME OF PARENT: <u>A. I. MANUEL RASUMAR</u>	
Sr. No.	Statement
1	<b>Current VISION Statement</b> To produce globally competent electrical and electronics engineers for addressing the needs of humanity with ethical values.
2	<b>Current MISSION Statement</b> <ul style="list-style-type: none"><li>➤ To empower the students with knowledge in recent trends in Electrical and Electronics Engineering</li><li>➤ To impart technical skills to resolve industrial problems through innovative teaching learning practices and research.</li><li>➤ To raise professionals, academicians, researchers and entrepreneurs with a passion for solving societal problems.</li></ul>
3	<b>Program Educational Objectives (PEOs)</b> PEO 1. Pursue a successful career by demonstrating the knowledge acquired in Electrical Engineering PEO 2. Exhibit technical skills in solving real world problems considering societal, technological and business challenges. PEO 3. Engage in professional practice with ethical values and attitude of lifelong learning.
Dear Parent, do you feel:	
1. Whether the current statements of vision, mission and PEOs is as per current need. Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
2. Whether the institute is moving towards right path as per vision & mission statement. Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
3. Do you want to suggest changes in	
a) Mission statement Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
If yes, give suggestion here: .....	
.....	
b) PEOs statement Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
If yes, give suggestion here: .....	
.....	

You are requested to answer and rate the following questions which would help us in improving the quality and services offered. The rating can be between 1 and 5.

Score 1: Very poor; 2: Poor; 3: Neutral; 4: Good; 5: Very Good

S.No	Questions	Rating
<b>Curriculum</b>		
1	The Curriculum of the course is well designed and promotes learning experience to the students.	5
2	The Curriculum incorporates technical advancements in the relevant field of study.	5
3	Does the Choice Based Credit System (CBCS) adapted in the Curriculum improve the academic flexibility?	5
4	Employability is given focus in the curriculum design.	5
5	Value Add programmes like Communication Skills/Soft Skills development are added in the Curriculum.	5
6	The Institution provides for inter-institutional credit transfers.	5
7	Rating about Vision, Mission and PEO's	5
<b>Teaching-Learning</b>		
8	Does the department have adequate number of faculty to handle the course?	5
9	Does the department have faculty experts in relevant field of study?	5
10	Does the faculty cover the syllabus effectively for the course?	5
11	Whether adequate technical guidance given to your ward for completion of Quality Assessment/Project Work	5
12	Does the department have adequate library, laboratory and other infrastructure facility for the students?	5
<b>Students</b>		
13	Does the department encourage the students to participate in Inter-Collegiate/Inter-Institutional Technical Fest?	5
14	Do you receive relevant information like Attendance Percentage; Internal Test marks/Progress Report etc from the department?	5
<b>Mentoring</b>		
15	Does the mentor of your ward offer a good mentoring?	5
16	Does the mentor communicate to you often about the academic status of your ward?	5
17	Does the mentor offer personal counseling to your ward when needed?	5

Suggestions for further improvement:

Excellent, hence no suggestion

  
Signature of the Parent with Date 14/5/19

**Karunya UNIVERSITY**

**CENTRE FOR PLACEMENT & TRAINING**

Karunya Nagar, Coimbatore 641 114

**FEEDBACK FROM CORPORATES**

**PERFORMANCE OF STUDENTS FROM KARUNYA UNIVERSITY**

1. Name of the Company: M/s Infosys
2. Nature of the Company – IT / ITES / Manufacturing / Service / Construction
3. Please rate the Overall Performance of our students as per the following parameters:-

**Technical Skills**

	Factors	Excellent	Good	Average	Below Average
A	General Aptitude		✓		
	Technical Aptitude			✓	
	Application Oriented Skills		✓		
	Basic Technical Knowledge			✓	

**Soft-Skills**

B	Leadership Qualities		✓		
	Professional Knowledge				
	Result Orientation		✓		
	Creativity	✓			
	Attitude		✓		
	Communication Skills	✓			
	Interpersonal Relationship	✓			
	Team Building	✓			
	Self Development			✓	

4. Kindly Indicate if you have any other additional feed-back to offer :-

Students are able to communicate well.  
Need to be more assertive and enthusiastic. Can improve  
basic technical knowledge. Mini Project before sitting for  
placements will help them speak up better. Should be punctual.

Signature: Angel

Name: Angelina Rachel Premkumar

Designation: Senior Lead- Talent Acquisition

Mobile Number: 9840001971



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Karunya Nagar, Coimbatore – 641 114, Tamil Nadu, India

**School of Engineering & Technology  
Department of Electrical & Electronics Engineering**

**Batch: 2015-19**

### **Students Feedback Form on PO and PSO**

Program Outcome (PO) of the University and Program Specific Objective (PSO) of the EEE department are listed below. Indicate in the table below, how much percentage of each Program Outcome (PO) and Program Specific Objective (PSO), according to you is achieved by you.

**Program Outcomes (POs)** as identified by National Board of Accreditation (NBA), India are what the graduates of an undergraduate engineering program should be able to do at the time of graduation. The POs are discipline non-specific.

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**PROGRAM SPECIFIC OBJECTIVES (P.S.O) of EEE Department**

1. Provide solid foundation in mathematical, scientific and engineering fundamentals which is required to solve electrical and electronics engineering problems. .
2. Specify, architect, analyze and design the systems that efficiently generate, transmit, distribute, convert and utilize electric power.
3. Understand, analyze, simulate and design the electrical machines, modern electrical drives, modern lighting systems, energy systems and automation of systems and to determine their performance through testing.
4. Specify, analyze, design, implement and test the analog and digital systems using the state of art components, software tools and ICT.

**PO & PSO Achievements**

**(5-strongly agree, 4-agree, 3-Neutral, 2-disagree, 1-strongly disagree)**

PO1	PO2	PO3	PO4	PO5	PO5	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Name of the student : *G. MATTHEW PALMER*

Register no. of the student: *UR15EE056*

Signature of the student : *[Handwritten Signature]*



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Department of Electrical & Electronics Engineering

## Alumni Feedback Form

### Essential Information

Alumni Name	Magdalene B.		
Father's Name	D. Babu Pushpanj		
Date of Birth	12/7/1998	Reg. No	UR15 EEDM
Name of the degree studied	B-tech	Year of passing out	2019
Other Qualification	M.E/MBA/M.S/M.Tech	Name of the Institute & Year of passing out	Indian Institute of Technology - Bombay
	Ph.D	Name of the Institute & Year of passing out	
	Others	Name of the Institute & Year of passing out	
Permanent Address	12/195A, Prayer House Street, West Bhandari - -P.M. Tirunelveli - 629425		
Contact No:	9600675500	Email ID	magdalene@iitb.ac.in
Present Organization	Elnet Tech.		
Designation & Nature of Job			
Work Experience	Current Job:	Associate embedded eng <sup>development</sup>	
	Previous Job:		
(list all the organizations where you worked)			

FEEDBACK FORM FOR VISION, MISSION & PEOs FROM ALUMNI	
NAME OF ALUMNI:	
Sr. No.	Statement
1	<b>Current VISION Statement</b> To produce globally competent electrical and electronics engineers for addressing the needs of humanity with ethical values.
2	<b>Current MISSION Statement</b> <ul style="list-style-type: none"> <li>➤ To empower the students with knowledge in recent trends in Electrical and Electronics Engineering</li> <li>➤ To impart technical skills to resolve industrial problems through innovative teaching learning practices and research.</li> <li>➤ To raise professionals, academicians, researchers and entrepreneurs with a passion for solving societal problems.</li> </ul>
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Dear Alumni, do you feel:	
1. Whether the current statements of vision, mission and PEOs is as per current need. Yes <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
2. Whether the institute is moving towards right path as per vision & mission statement. Yes <input type="checkbox"/> NO <input type="checkbox"/>	
3. Do you want to suggest changes in	
a) Mission statement Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
If yes, give suggestion here:.....	
.....	
b) PEOs statement Yes <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
If yes, give suggestion here:.....	
.....	

### FEEDBACK ABOUT THE PROGRAMME

Please rate each of the following skills, abilities or attributes in terms of their importance and use in your job, and state how well your education at Karunya Institute of Technology/Karunya University prepared you for these. Please give your feedback by appropriate scale (1 to 5) Where, 1 - Strongly Disagree that we have achieved with our goal 2 - Disagree that we have achieved with our goal 3 - Neutral with our goal 4 - Agree that we have achieved with our goal 5 - Strongly Agree that we have achieved with our goal

S.No	Questions	Scores				
		1	2	3	4	5
1	Ability acquired to apply technical knowledge in identifying and analyzing engineering problems					<input checked="" type="checkbox"/>
2	Ability acquired to integrate knowledge in providing solution for problems with multi-disciplinary approach					<input checked="" type="checkbox"/>

3	Ability acquired to continue learning new technologies, processes and domains	1	2	3	4	5
4	Understand professional and ethical responsibilities as an engineer (e.g. safety, professional ethics, code of conduct).	1	2	3	4	5
5	Ability acquired to function and communicate effectively	1	2	3	4	5
6	Be aware of the need for, and improved my ability to engage in life-long learning (seeking further education, self learning, membership in professional societies).	1	2	3	4	5
7	Be aware of contemporary issues (e.g. economics of engineering, environmental issues, etc...)	1	2	3	4	5
8	Understand and appreciate the impact of engineering in the societal and global contexts	1	2	3	4	5

### FEEDBACK ABOUT THE DEPARTMENT

S.No	Questions	Scores				
		1	2	3	4	5
9	How do you rate the developmental activities organized by the department for your overall development	1	2	3	4	5
Rate the adequacy of the following as they were during your tenure as a student here:						
10	Laboratories & Equipments	1	2	3	4	5
11	Infrastructure	1	2	3	4	5
12	Library facilities	1	2	3	4	5
13	Internet & Wi-Fi facilities	1	2	3	4	5
14	R & D Projects/ Industry Oriented Projects	1	2	3	4	5
15	Seminars, Workshops & Addon Programmes	1	2	3	4	5
16	Special training classes to bridge the Industry-Academic Gap	1	2	3	4	5
17	Has the Career Guidance cell/ Centre for placement & training provided ample ON CAMPUS placement opportunities?	1	2	3	4	5
18	Has the Career Guidance cell/ Centre for placement & training provided ample OFF CAMPUS placement opportunities?	1	2	3	4	5
19	Have you availed career counseling and guidance for higher studies from centre for placement & training/Career Guidance cell?	1	2	3	4	5
20	Were you benefitted by the mentoring System in the department?	1	2	3	4	5

21. Mention the subjects which are more relevant to your work.

embedded systems

22. Mention the subjects which are essential to the students before they enter into the market.

all basics.

23. Would like to contribute to the Curriculum enrichment/Recruiter/Collaborator for research projects/Soft skills trainer/Resource person for Workshop?

Yes.

24. Would like to get updates about the department through emails/SMS? Yes/No

25. Have you made any significant achievement as student of Karunya Institute of Technology/ Karunya University? If yes, share the detail.

Yes.

26. Have you made any significant achievement as an employee of the present/previous organization? If yes, share the detail.

Yes.

27. Suggestions for Improvement:

Signature of the Alumni

Date:

6/02/19

## ACTION TAKEN

**Employer feedback: Mini Project before sitting for placement will help the students**



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**Department of Electrical Sciences**  
**Electrical and Electronics Engineering**  
**Minutes of Board of Studies (BoS) meeting**

12-05-2018

<b>Programme</b>	Electrical & Electronics Engineering
<b>Title</b>	Board of Studies (BoS) Meeting
<b>Academic Year</b>	2017-18
<b>Venue:</b>	EEE Conference Hall
<b>Date &amp; Time:</b>	12 <sup>th</sup> May 2018, 09.30AM

**Members Present:**

S.No	Name of the Faculty	Internal/ External	Designation
1	Dr. Sasi K. K.	External Expert – Academia	Professor, Department of Electrical and Electronics Engineering, School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore 641112.
2	Mr. Patrick David	External Expert – Industry	Senior Engineer, TANGENCO MRT/EDC/METRO, Coimbatore
3	Mr. Suraj Kumar Singh	External Expert – Industry	Executive Electrical Design, Product Development Centre, Larson & Toubro Limited, Industrial Machinery & Products, Coimbatore 641045.
4	Dr. A. Immanuel Selvakumar	Chairman - Internal Expert	Head & Professor, Department of Electrical Sciences
5	Dr. J. Jayakumar	Internal Expert	Programme Coordinator – EEE & Professor
6	Dr. V. Jegathesan	Internal Expert	Associate Professor
7	Dr. Prawin Angel Michael	Internal Expert	Associate Professor
8	Dr. M.S. P. Subathra	Internal Expert	Associate Professor
9	Dr. Shanty Chacko	Internal Expert	Assistant Professor
10	Mr. P. Swaminathan	Internal Expert	Assistant Professor

12. The semester-wise break up of courses for M. Tech (Renewable Energy) programme is furnished below.

Semester I						
Sr. No.	Core/Elective	Course Name	L	T	P	Credits
1.	Core 1	Energy Engineering	3	0	0	3
2.	Core 2	Photovoltaic Systems	3	0	0	3
3.	Core 3	Energy Management and Audit	3	0	0	3
4.	PE-1	Solar Thermal Energy Conversion / Materials for Solar Power/ Solar Cell and Module Technology	3	0	0	3
5.	PE 2	Power Electronics for Renewable Energy Systems / Grid Converters for Photovoltaic and Wind Power Systems / Power Electronic Converters for Micro grids	3	0	0	3
6.		<b>Research Methodology And IPR</b>	2	0	0	2
7.	Lab 1	Solar Energy Laboratory	0	0	4	2
8.	Lab 2	PED Lab for Renewable Energy	0	0	4	2
9.	Audit – 1	<b>English For Research Paper Writing</b>	2	0	0	0
10.	Total Credits					20

Semester II						
Sr. No.	Core/Elective	Course Name	L	T	P	Credits
1.	Core 4	Wind Energy	3	0	0	3
2.	Core 5	Big Data Analytics for Renewable Energy	3	0	0	3
3.	PE 3	Biomass Energy / Waste to Energy Conversion / Oceanic Energy	3	0	0	3
4.	PE 4	Data Mining for Renewable Energy	3	0	0	3

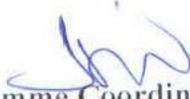
		Systems / Solar and Wind Energy Forecasting / Power Conversion and Control of Wind Energy Systems/ Embedded C Programming				
5.		<b>Mini Project With Seminar</b>	2	0	0	2
6.	Lab 3	Wind Energy Laboratory	0	0	4	2
7.	Lab 4	Power Engineering Simulation Laboratory	0	0	4	2
8.	Audit – II	<b>Disaster Management</b>	2	0	0	0
9.	Total Credits					18

Semester III						
Sr. No.	Core/Elective	Course Name	L	T	P	Credits
1.	PE 5	Power Quality Issue And Mitigation / Distributed Generation and Micro grid/ Modeling and Control of Sustainable Power Systems	3	0	0	3
2.	OE	Cyber Security for Renewable Energy Systems / Smart Power Grid Renewable Energy Systems / Electric and Hybrid Vehicles	3	0	0	3
3.	Major Project	Phase – I Dissertation	0	0	16	8
4.	Total Credits					14

Semester IV						
Sr. No.	Core/Elective	Course Name	L	T	P	Credits
1.	Major Project	Phase – II Dissertation	0	0	30	15
2.	Total Credits					15

#### General Comments from the Experts

1. The experts appreciated the efforts taken by the members of faculty for framing the curriculum and syllabi of both B. Tech (E.E.E) and M.Tech (Renewable Energy) programmes.
2. The experts recommended the department to modernize all the laboratories, so that the students can spend more time on analysis part of the experiment instead of data acquisition during the period of conduction of experiment.
3. The students should be made aware of Bureau of Indian Standards (BIS) while carrying out the experiments.
4. In Electrical Machines – I laboratory & Electrical Machines – II laboratory, knowledge about the international standards, protection schemes for an electrical machine should be imparted.

  
 Programme Coordinator - E.E.E

## Hands-on session on “PCB Design and Fabrication



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Karunya Nagar, Coimbatore -641 114, Tamil Nadu, India

### School of Engineering and Technology Department of Electrical and Electronics Engineering Add on course on “PCB Design and Fabrication”

**Course fee:** Free

**Course Hours:** 8 hours

**Target Audience:** 2<sup>nd</sup> & 3<sup>rd</sup> year EEE Students only

**Seats Available:** 30 seats (First-come, first served basis)

**Course timing:**

5:00 PM to 8:00 PM on 6.3.19 (Wednesday)

5:00 PM to 8:00 PM on 7.3.19 (Thursday) and

5:00 PM to 7:00 PM on 8.3.19 (Friday)

**For registration:** Scan the QR code

**Registration closes by:** 4.3.2019

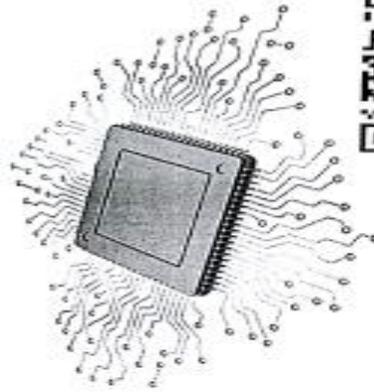
**Contact Person:** Mr. S.Ajayan, AP/EEE

Room No: EESR04, Ground Floor, EEE Dept.

Mobile No: 8807870141

Email id: [gajvans@karunya.edu](mailto:gajvans@karunya.edu)

Certificates will be issued on successful completion of the course



### Add on course on “PCB Design and Fabrication”





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**School of Engineering and Technology**  
**Department of Electrical and Electronics Engineering**

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From

S. Ajnyan (EMP Id: 1553),  
Assistant Professor,  
Department of Electrical and Electronics Engineering.

To

The Dean,  
School of Engineering and Technology.

Through: HoD - EEE *Handwritten signature*

Sub: Requesting permission to conduct an Add-On course on PCB Design and Fabrication for EEE students- reg

Respected Sir,

The Department of Electrical and Electronics Engineering is planning to conduct an Add-On course on "PCB Design and Fabrication". The course provides hands-on training on designing of PCB using Autodesk EAGLE software and fabrication of the same for B.Tech Electrical students from 6<sup>th</sup> to 8<sup>th</sup> March 2019.

Certificates will be given for all participants by fulfilling basic attendance requirements and best designer will be selected by small design problem. In view of this, we kindly request you to grant us permission for successful conduction of the course.

Thanking you.

Yours faithfully,

Karunya Nagar  
16.2.2019

*O.K.  
Budget.  
C.S-2*

*Handwritten signature*  
S. Ajnyan

**Registration details for Add-on course on "PCB Design and Fabrication"  
from 6.3.19 to 8.3.19**

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### ACTION TAKEN

Based on the feedback collected through the class committee meeting, the following action has been taken.

- Organized seminar on “How to Write the Scientific Journal Papers to PG students”.
- To improve the exposure to examples of the use of engineering principles as applicable in real life, more emphasis is given to the practical oriented teaching and learning is promoted among the teaching and learning community.
- Laboratory timings extended and interaction sessions with senior students arranged.

Based on the feedback of the HR, the following action was taken by the department.

- A fully hands-on session on “PCB Design and Fabrication” was conducted using Autodesk EAGLE.
- Conducted Add-on Course on Solar PV System Design using PVsyst Software
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Based on the parents’ feedback, the following action was taken.

- Project-based learning and internships:
- The KITS introduced scholarship for both UG and PG courses.
- A special scholarship is introduced for girl students too.

Based on the feedback obtained from the stakeholders, the curriculum for the 2018 B.Tech programme was designed.

1. More interdisciplinary elements and interfaces:  
36 credits of Programme electives and open electives will be developed focusing more on interdisciplinary elements and interfaces of electrical engineering which will broaden the knowledge horizon of the students and enable them to pioneer in interdisciplinary projects.
2. Early industry exposure through project-based learning and internships:  
In order to encourage the project based learning and expose the students to the industry environment, 11 credits are prescribed for the project work. The project work will be done in a phased manner. Phase I project will enable the student to carry out the detailed survey or literature review on the topic proposed by the student for the project work. In Phase II project, the student will have flexibility to spend the period in any industry for a semester.  
Further, the student will be motivated to carry out a summer internship in any industry or other university.
3. Interpersonal skills training and development of a sense of social responsibility  
To improve the interpersonal skills, training and development of a sense of social responsibility, the following non-credit mandatory courses were introduced in the curriculum.
  - i. Environmental Studies
  - ii. Constitution of India
  - iii. Soft skills
4. Management knowledge and business process skills  
To impart knowledge on management and nurture the entrepreneur and business skills of the students, the following subjects, totally of 9 credits were introduced.
  - i. Industrial Management
  - ii. Professional Ethics
  - iii. Entrepreneurship and IPR
5. Practical oriented teaching and learning  
To improve the exposure to examples of the use of engineering principles as applicable in real life, more emphasis is given to the practical oriented teaching and learning is promoted among the teaching and learning community.