

REPORT (2014-2017)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Establishment Year: 2004



**RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY,
RAJAGIRI VALLEY, KAKKANAD, KOCHI, KERALA.**

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VISION



- To excel in Electrical and Electronics Engineering education with focus on research to make professionals with creative minds, innovative ideas and practical skills for the betterment of mankind.

MISSION



- To develop and disseminate among the individuals, the theoretical foundation, practical aspects in the field of Electrical and Electronics Engineering and inculcate a high degree of professional and social ethics for creating successful engineers.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)



- To provide Graduates with a solid foundation in mathematical, scientific and engineering fundamentals and depth and breadth studies in Electrical and Electronics engineering, so as to comprehend, analyse, design, provide solutions for practical issues in engineering.



- To strive for Graduates' achievement and success in the profession or higher studies, which they may pursue.



- To inculcate in Graduates professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, the life-long learning needs and an ability to relate engineering issues for a successful professional career.

PROGRAM OUTCOMES (POS)*Engineering Students will be able to*

PO1: Engineering Knowledge	<ul style="list-style-type: none">• Apply the knowledge of Mathematics, Science, Engineering fundamentals, and Mechanical Engineering to the solution of complex engineering problems.
PO2: Problem analysis	<ul style="list-style-type: none">• Identify, formulate, review research literature, and analyze complex Engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and Engineering sciences.
PO3: Design/Development of solutions	<ul style="list-style-type: none">• 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.
PO 4: Conduct investigations of complex problems	<ul style="list-style-type: none">• 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.
PO 5: Modern Tool usage	<ul style="list-style-type: none">• Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex Engineering activities with an understanding of the limitations.
PO 6: The Engineer & Society	<ul style="list-style-type: none">• 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.
PO 7: Environment & sustainability	<ul style="list-style-type: none">• Understand the impact of the professional Engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and the need for sustainable developments.
PO 8: Ethics	<ul style="list-style-type: none">• Apply ethical principles and commit to professional ethics and responsibilities and norms of the Engineering practice.
PO 9: Individual & team work	<ul style="list-style-type: none">• Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO 10: Communication	<ul style="list-style-type: none">• 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.
PO 11: Project Management & finance	<ul style="list-style-type: none">• 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 multi-disciplinary environments.
PO 12: Life-long learning	<ul style="list-style-type: none">• 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.

PROGRAMMES OFFERED

Course offered	Name of the Course	Specialization
UG	B.Tech	Electrical & Electronics Engineering
PG	M.Tech	Industrial Drives and Control
Ph.D.	Ph.D.	Electrical & Electronics Engineering

Table 1: Programmes offered by the department

DEPARTMENT ADVISORY BOARD

In order to support the Department functioning and curriculum development, department has an Advisory Board with representation from industry and other academic institutions along with internal members. Advisory Board meet once in a Semester.

The functions of Department of Advisory Committee is to:-

- Interact and maintain liaison with key stakeholders.
- Develop and recommend new or revised objectives and outcomes of the program.
- Review and analyse the gap in the curriculum and give necessary feedback or advice actions.
- Receive report of Department of Assessment Committee and monitors the progress of the program.

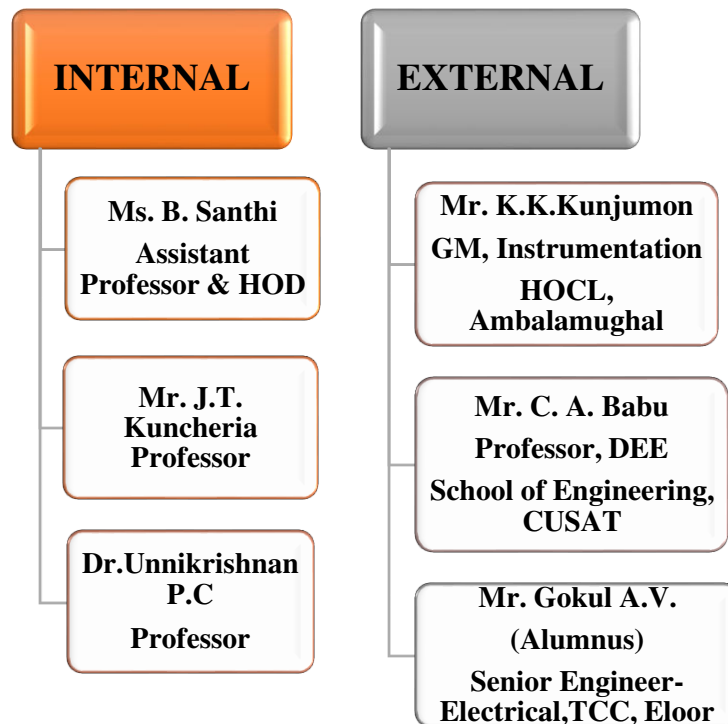


Figure 1: Department advisory board members

ACCREDITATION

NBA ACCREDITED for three years wef from 01/07/14

NAAC ACCREDITED

STUDENT ADMISSION

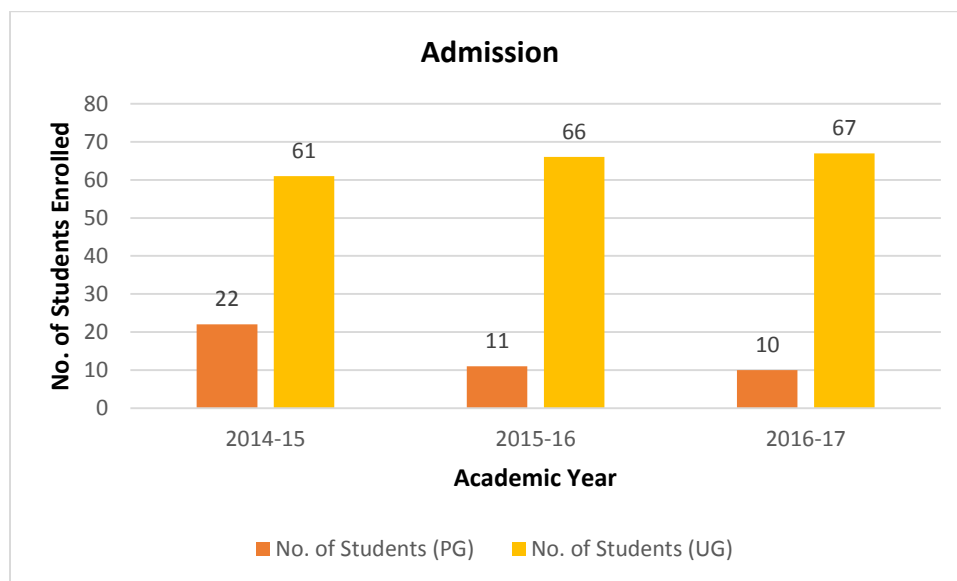


Figure 2 : Admission details

CURRICULUM

In the current academic year, curriculum followed by students for various courses is as listed in Table 2.

Semester	University
B.Tech S1-S4	APJ Abdul Kalam Technological University
B.Tech S5-S8	Mahatma Gandhi University
M.Tech	APJ Abdul Kalam Technological University
Ph.D.	APJ Abdul Kalam Technological University

Table 2: Curriculum followed in current academic year

Detailed curriculum is listed in Annexure 1 in page 39.

PROCESS OF FILLING GAPS IN SYLLABUS

To identify the gaps in syllabus, with the requirements of both industry and society, technical experts drawn from industry are included in the Advisory board of each department. Department Advisory Board identifies the gaps in the syllabus based on course outcome and suggests recommendations.

Measures to bridge the course level gaps include:

- The topics to be covered beyond the syllabus in some of the courses are identified and the faculty in-charge of the courses are requested to cover these topics in the class.

Measures to bridge programme level gaps include:

- Organisation of industrial visit and industrial training to provide practical knowledge about the subject.
- Conduct of short term courses/ invited talks to provide extra insight to major development in the particular area.

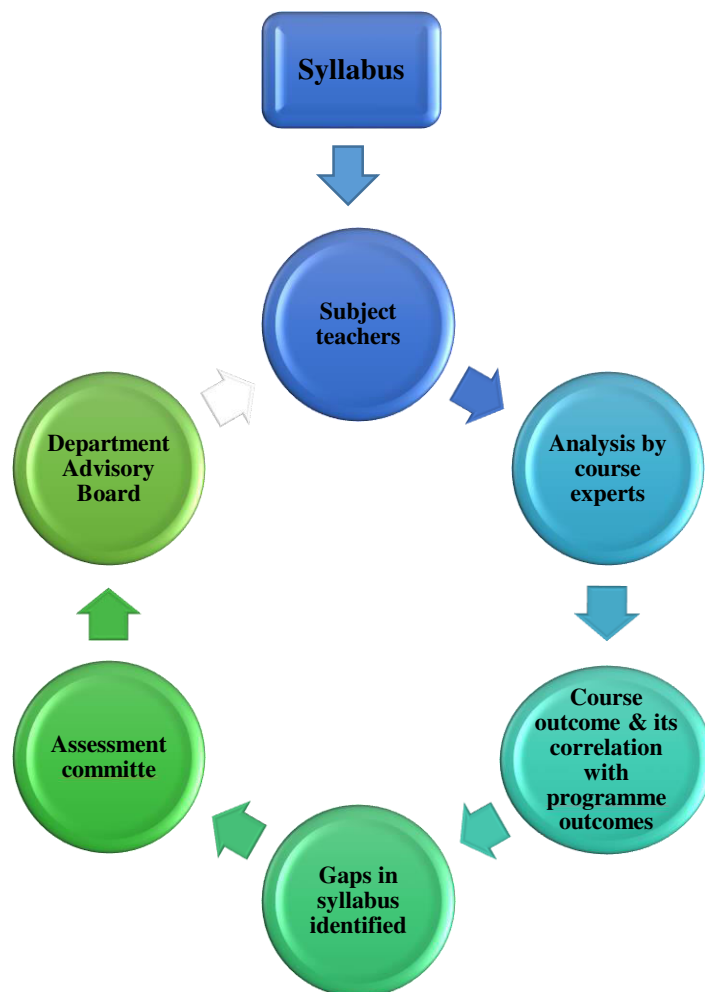


Figure 3: Process of filling gaps in syllabus

ADD ON COURSES (BEYOND THE SYLLABUS)

Name of course		Organised for
AUTOCAD certification course from AUTODESK	Seventh Semester EEE Students	2011-15 batch 2012-16 batch 2013-17 batch

Table 3: List of add on courses beyond syllabus

EXAMINATION RESULTS

B.Tech

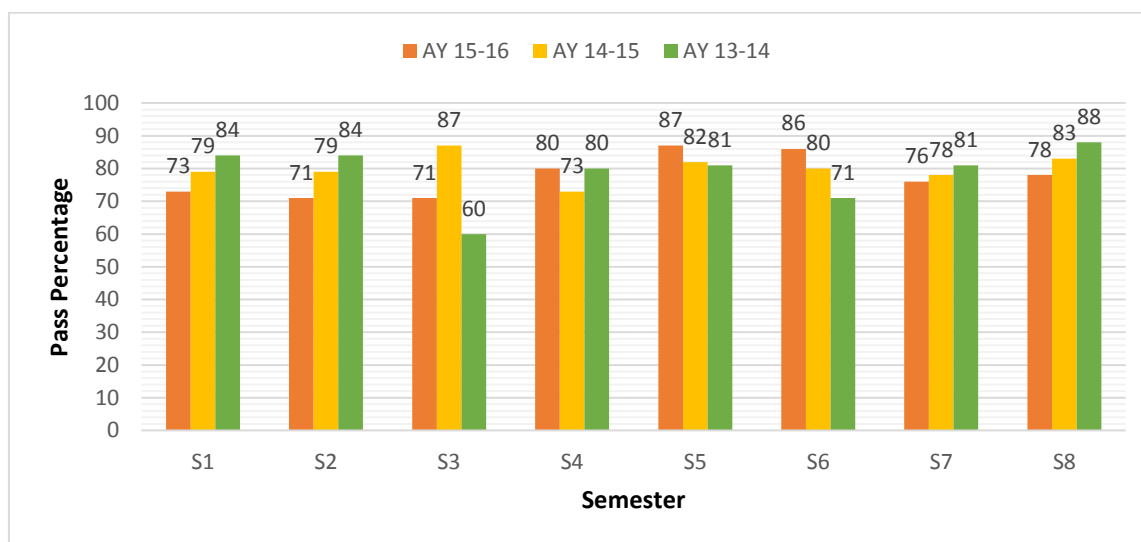


Figure 4: B.Tech pass percentage

M.Tech

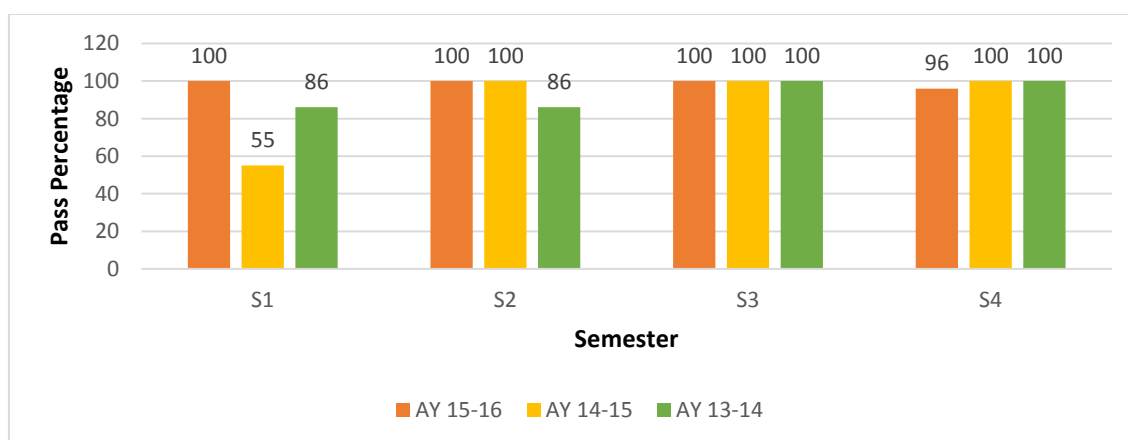


Figure 5: M.Tech pass percentage

PLACEMENT STATISTICS

B.Tech

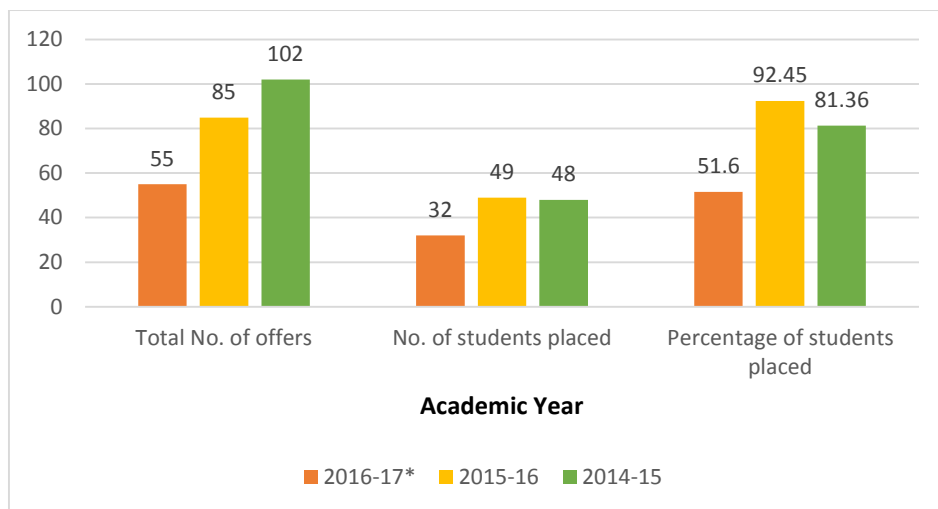


Figure 6: Overall B.Tech placement statistics

Refer Annexure 2 for detailed placement statistics in page 57.

* - Placements Ongoing

PROMINENT COMPANIES WHERE STUDENTS ARE PLACED



M.Tech

	Academic Year	Name of Student	Company Placed
M.Tech	2016-17	Gayathri S.	CTS
		Elsa Rani Jose	Infosys
	2015-16	Litty Treasa Jose	HP
	2014-15	Milan Sebastian	Wrench Solutions
		Abdul Hadi K.	

Table 4: Placement offers received for M.Tech students

STUDENT EVALUATION

University	Internal Assessment			End-semester Examination (university)	Total
	Assignments	Test Papers	Attendance		
Mahatma Gandhi University (Prior to 2015 admissions)	10 marks	30 marks	10 marks	100 marks	150 marks
B.Tech-KTU (2015 admissions onwards)	10 marks	40 marks	NIL	100 marks	150 marks
B.Tech-KTU For few subjects	20 marks	80 marks	NIL	50 marks	150 marks
M.Tech-KTU	10 marks	30 marks	NIL	60 marks	100 marks

Table 5: Student evaluation

Student evaluation is based on University regulations. In addition to that Seminars, Quizzes etc. are also conducted for evaluation. Table 5 shows the evaluation criteria stipulated by the university.

STUDENT ACHIEVEMENTS

UNIVERSITY RANKS

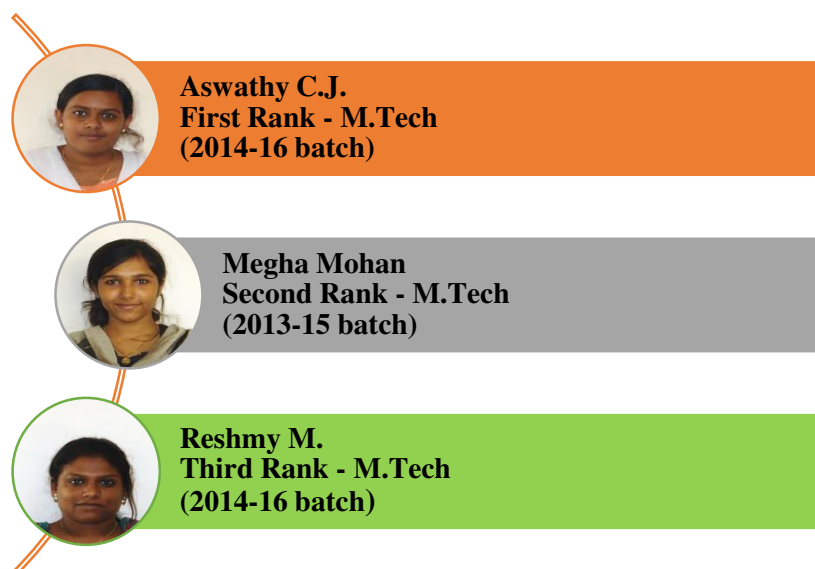


Figure 7: University ranks


RESEARCH STUDIES BENEFITING THE COMMUNITY

Name of the faculty/Student	Project title
J T Kuncheria / Libin Varghese-2012-14 Batch M.Tech-IDAC	A Novel Solar powered wheel chair for the disabled
L.Unnikrishnan/ Mebin Joseph, 2012-14 Batch M.Tech-IDAC	Adaptive Fuzzy Based Controller In Electric Standing Wheel Chairs For Physically Disabled



Table 6: Projects developed for social benefit**RESEARCH CONTRIBUTING TO PRODUCT IMPROVEMENT**

Name of the Student	Project title
Libin Varghese & Mebin Joseph-2012-14 Batch M.Tech-IDAC	1. Vidyuthmithra-Helmet Specially designed for the use of KSEB line men
Guided by Unnikrishnan.L Asst. Prof,DEE.	2. Intelligent Socket

Table 7: Projects leading to product improvement**OUTSTANDING STUDENT ACHIEVEMENTS**

	Name of Student	Achievement
	Mr. Libin Varghese 2012-14 batch M.Tech-IDAC	IEEE student of the week 2014 - First student to be selected for this mention from IEEE Kerala Chapter
		Vidyuthmithra-won first prize A prestigious state level project contest Malayala Manorama Yuva Mastermind 2014
		First prize, IEEE Industrial Application Society (IAS) Graduate Student Thesis Contest 2015
		Runner UP -IEEE Global humanitarian Engineering Project Award 2013 -Only Student Representation from INDIA held at Silicon Valley, USA
		1) Technical icon of the year 2012 2) Best project of the year 2012.

ELECTRICAL & ELECTRONICS ENGINEERING

		<p>From The Institution of Engineering and Technology (IET)</p> <p>Project Intelligent-Socket won third prize A prestigious state level project contest Malayala Manorama Yuva Mastermind 2013</p> <p>Yuva Anveshak competition 2013, /Second prize- A national level business plan cum project contest competition jointly organized by IIT Jodhpur and The State Government of Rajasthan</p> <p>Socially Relevant Technological Innovation Awards-2013 A prestigious national award instituted by (SRISTI) and Techpedia</p>
	<p>Mr. Libin Varghese & Mr. Mebin Joseph 2012-14 batch M.Tech-IDAC</p>	<p>Engineer Infinite 2014, Special Recognition Award for their project-I-SOCKET organized by ELECRAMA, world's largest power transmission and distribution (T&D) confluence. Bangalore International Exhibition Centre (BIEC)</p> <p>TECH Top '2013 Consolation Prize in Public Category organized by National level Innovative Contest by Degree Controls and Technopark-Trivandrum</p>
	<p>Mr. Jijo Paul 2012-14 batch M.Tech-IDAC</p>	<p>Best student Award-Senior category (Young Engineers)- From Dr.A.P.J. Abdul kalam For the Project-Xerobot-A Multipurpose Process Automation Robot organized by Science &Techfest-2014 – Online Competition through Brahmand.com</p>

ELECTRICAL & ELECTRONICS ENGINEERING

	<p>Ms. Nivedita Augustine Mathew 2012-16 batch B.Tech</p>	<p>Exhibition & Innovation in Medical science and Biotechnology at Cultural Centre-Rastrapathi Bhavan organized by Indian Council of Medical Research and National Innovation Foundation –Govt. of India</p>
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Table 8: Outstanding student achievers

STUDENTS CO-CURRICULAR/EXTRA-CURRICULAR ACHIEVEMENTS IN INTER-COLLEGE ACTIVITIES

First Prize	Second Prize	Third Prize
<ul style="list-style-type: none"> • John Alias • Paul Saju • M. Sankar • Sreelakshmi A. <ul style="list-style-type: none"> • for the contest E-Aventura • Libin Varghese <ul style="list-style-type: none"> • National Award for best thesis 	<ul style="list-style-type: none"> • Anika Tomichan • Greeshma Ranjeev <ul style="list-style-type: none"> • Technical Paper Presentation for KITES 2016 • Richu Jose • Madonna Raphael <ul style="list-style-type: none"> • Fashion Show at FISAT 	<ul style="list-style-type: none"> • Sigy Varghese • Sreelakhmi A. <ul style="list-style-type: none"> • For Technical Paper Presentation • Anika Tomichan • Greeshma Ranjeev <ul style="list-style-type: none"> • For Technical Paper Presentation at ROBORA VE, India

Figure 8: Prizes secured for co-curricular/extra-curricular events in inter-college activities

Refer Annexure 13.2 for details regarding co-curricular achievements in page 139.

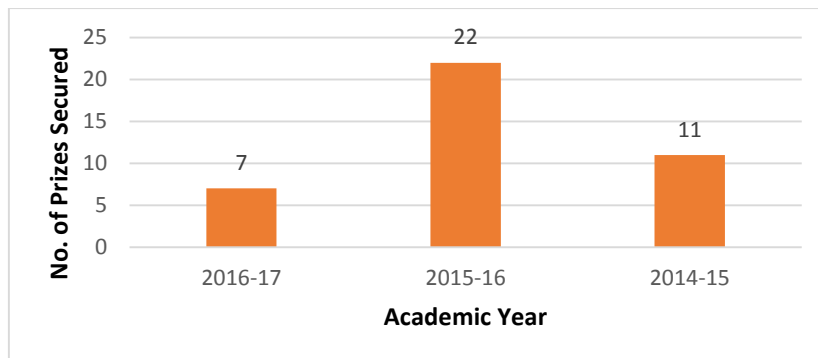


Figure 9: Prizes secured by the students for extra-curricular activities

Refer Annexure 3 for details regarding extra-curricular achievements in page 59.

INTERNATIONAL STUDENT EXCHANGE PROGRAM

Sl. No.	Name of Student	Achievement/Program	Visit Destination	Year
1.	Midhun Varghese	Selected for International Student Exchange Program sponsored by Japan Government	SOJO University, Japan under Sakura Program	2017
2.	Tito Joseph Francis	Completed M.Tech Internship	Reutlingen University-Germany	2016
3.	Antony Dominic	Completed M.Tech Internship	Reutlingen University-Germany	2016
4.	Byeong Jun Park	Completed Short term program- S3 EEE -RSET	From Kyungsung University, South Korea	July 2015- Nov 2015
5.	Tumisang Eric Mathaba	Doing B.Tech Programme, Batch 2015-2019-EEE-RSET	Under ICCR Scheme from Lesotho, South Africa	2015

Table 9: Students participated in international student exchange program

STUDENT FEEDBACK

Student feedback on Faculty and courses are taken. Details are given below. Student feedback will be discussed in class committee and course committee and corrective measures will be suggested.

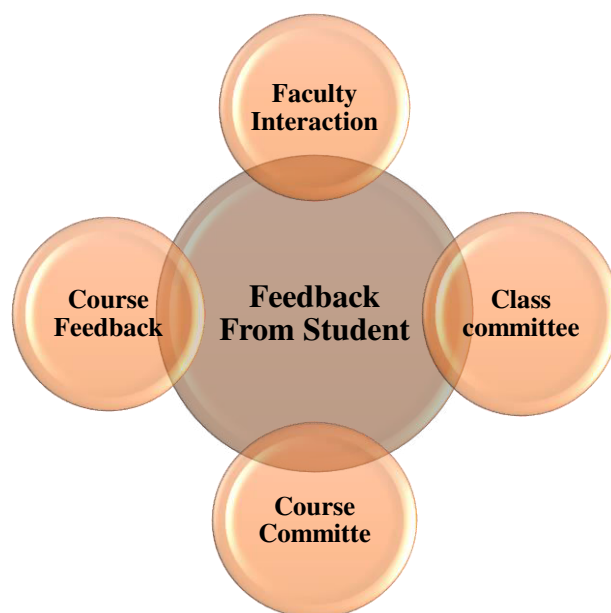
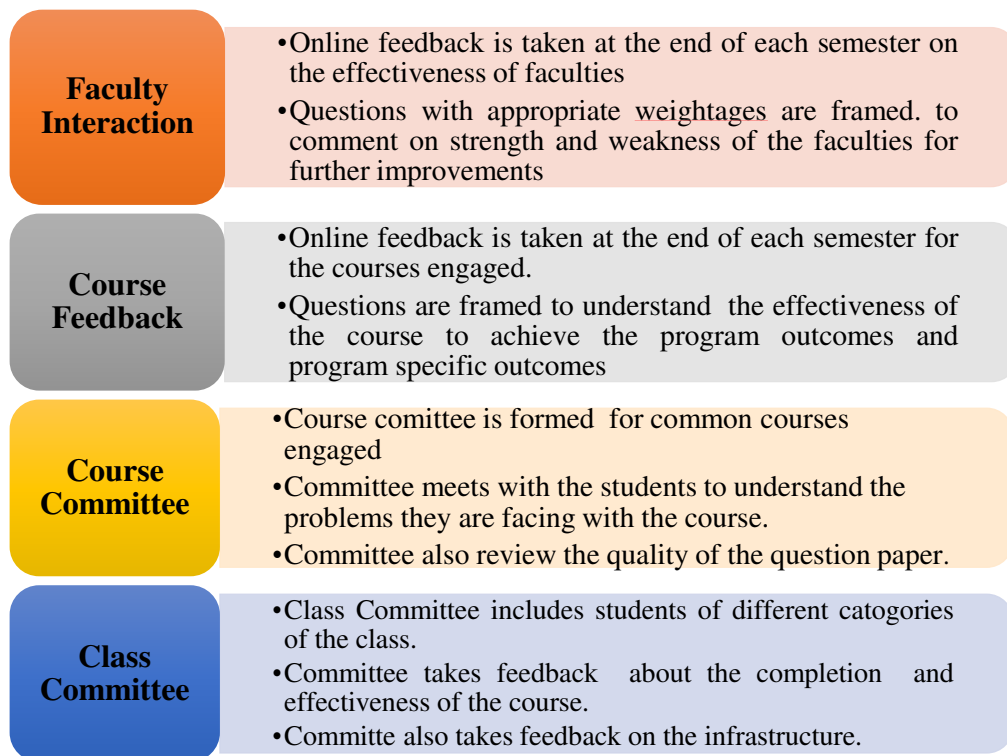


Figure 10: Various methods adopted for student feedback



A sample of course feedback is shown in Annexure 4.1 in page 61.

A sample of course committee minutes is shown in Annexure 4.2 in page 63.

A sample of class committee minutes is shown in Annexure 4.3 in page 65.

STUDENT MENTORING

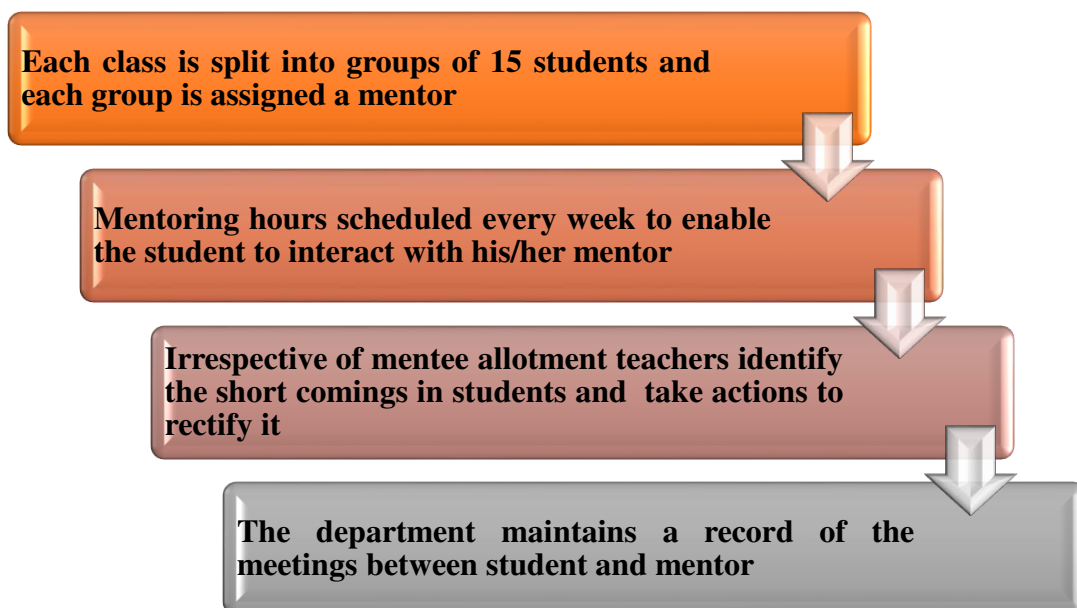


Figure 11: Mentoring process

REMEDIAL CLASS

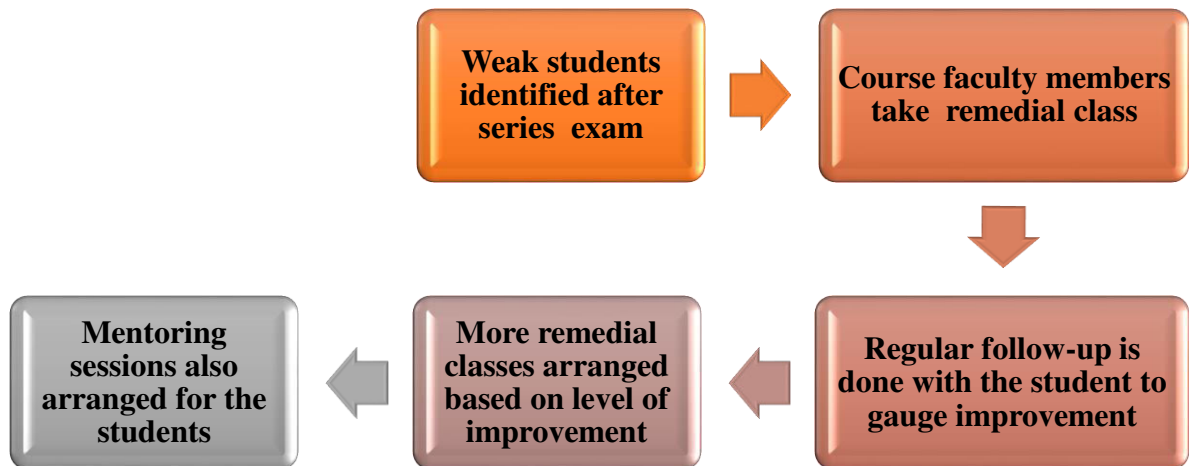


Figure 12: Process of remedial class

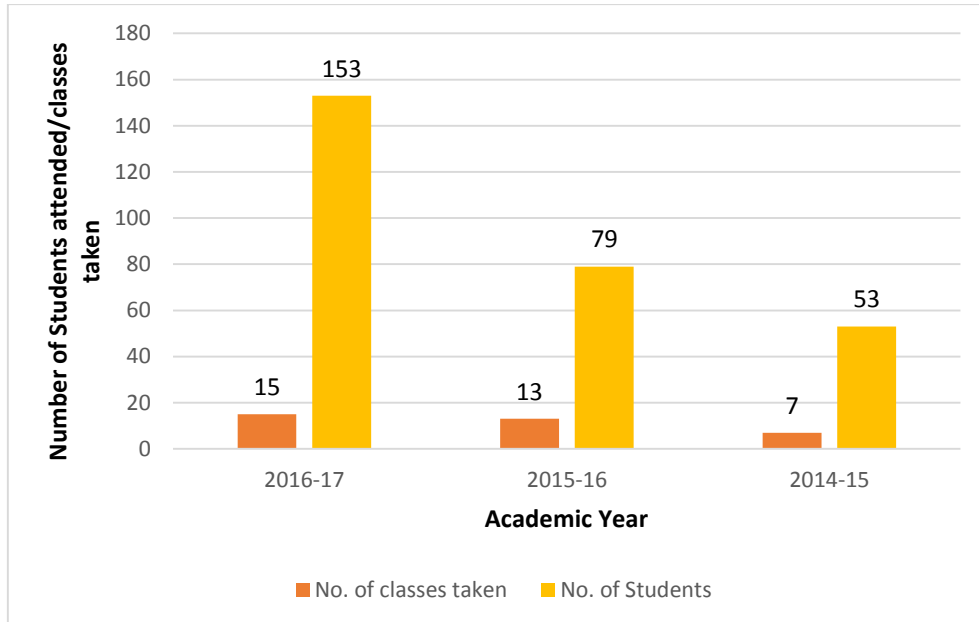


Figure 13: Total no. of remedial classes organised/attended

Refer Annexure 5 for details regarding remedial class in page 66.

FACULTY LIST



Ms. SANTI B. (HOD)
Assistant Professor



Ms. ANNA MATHEW
Assistant Professor



Ms. CAROLINE ANN SAM
Assistant Professor



Dr. ELIZABETH RITA SAMUEL
Assistant Professor



Mr. GINNES K. JOHN
Assistant Professor



Ms. JAYASRI R. NAIR
Assistant Professor



Mr. JEBIN FRANCIS
Assistant Professor



Mr. J.T. KUNCHERIA
Professor



Ms. PRATHIBHA P.K
Assistant Professor



Ms. RAGAM RAJAGOPAL
Assistant Professor



Ms. RENU GEORGE
Assistant Professor



Ms. RINU ALICE KOSHY.
Assistant Professor



Ms. SREEPRIYA R.
Assistant Professor



Mr. THOMAS K.P.
Assistant Professor



Mr. UNNIKRISHNAN L.
Assistant Professor



Dr. P.C. UNNIKRISHNAN
Professor



Fr. MEJO PAUL
Assistant Professor

ADJUNCT/VISITING FACULTY



Dr. ING. JURGEN TROST
Professor
Reutlingen University, Germany

TECHNICAL STAFF



Mr. LIPSON BERNARD
Lab Assistant



Mr. PRASANTH N.P.
Lab Assistant



Ms. SAVITHA SEBASTIAN
Technical Assistant



Mr. SUNILKUMAR K.S.
Technical Assistant



Ms. TELMA ROSE P.A.
Technical Assistant

FACULTY COMPETENCY

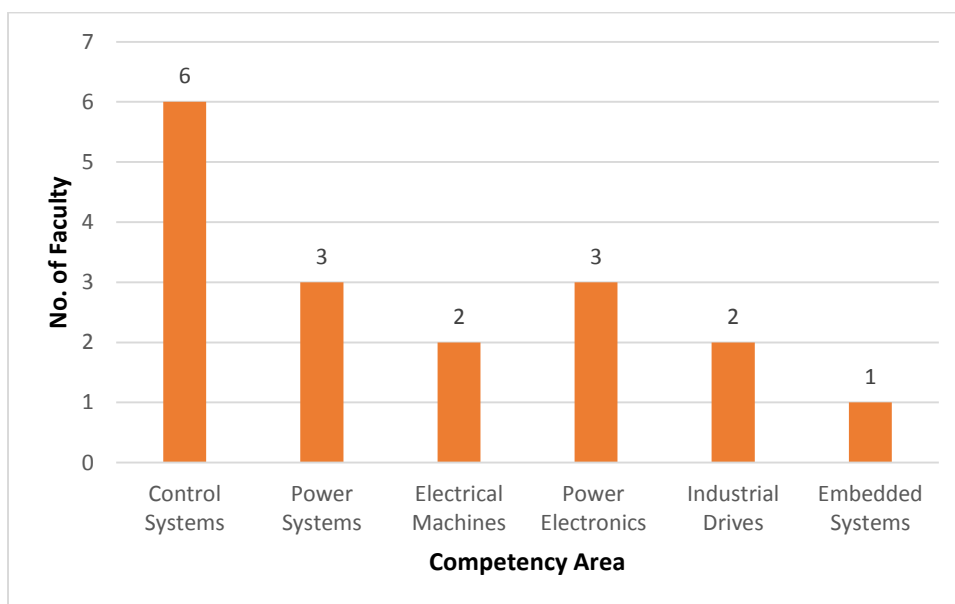


Figure 14: Faculty competency

Refer Annexure 6 in page 69 for details regarding Faculty Competency.

FACULTY MEMBERS HOLDING KEY POSITIONS IN VARIOUS ADMINISTRATIVE ROLES

Figure 15: Faculty members holding key positions in various administrative roles

FACULTY MEMBERS PURSUING Ph.D.

Name of the faculty	Name of the University where Ph.D registered	Date of registration
Ragam Rajagopal	VIT, Vellore	06/07/2016
Ginnes K. John	Amritha University ,Coimbatore	31/07/2015
Unnikrishnan L.	VIT, Chennai	15/07/2013
Thomas K.P.	VIT, Vellore	30/08/2012
Rinu Alice Koshy	NIT, Calicut	12/12/2010

Table 10: List of faculty members pursuing Ph.D.

TEACHER QUALITY

	Asst. Professor	Professor
Faculty members with M.Tech/M.E.	14	1
Faculty members with Ph.D.	1	1
Faculty members with more than 10 years teaching experience	3	2
Faculty members with more than 10 years industry experience	2	0

Table 11: Teacher quality

INFRASTRUCTURE**UG LECTURE HALLS**

- 3 No's
- Two rooms - 101.4 Sq.m & 1 room-99 Sq.m
- Internet facility, projector, adequate number of fans and lights, Podium.

**PG LECTURE HALL**

Two classrooms with 58.2 Sq.m

Desks and benches for accommodating 20 students, Blackboard, Internet facility (Wi-Fi), projector facility, adequate number of fans and lights.

**TUTORIAL HALL**

One classroom with 99 Sq.m

Desks and benches for accommodating 35 students, podium, Blackboard, Internet facility (Wi-Fi), projector facility, projector screen, adequate number of fans and lights.

**DEPARTMENT LIBRARY**

- 20 Sq.m
- No of volumes available : 700
- 5 Almirahs and 700 books

**FACULTY ROOM**

- 1 No
- 278 Sq.m
- with 18 cabins, adequate number of lights, fans, Internet facility, common computer, printer.

**DEPARTMENT SEMINAR HALL**

- 101.4 Sq.m
- Seating for 40 people, internet facility, projector, video

**INTERNET FACILITIES**

- Asianet, Vodafone
- Availability Bandwidth & Speed : 130mbps
- Availability of internet in an exclusive lab, most computing labs, departments and faculty rooms : 24/7

ELECTRICAL MEASUREMENTS AND CONTROL LAB



- 204 Sq. m
- 9 Work tables, White board, desk and chairs for accommodating 32 students, adequate Almirah for storing metering equipments, fire fighting equipments, first aid kit etc.

ELECTRICAL MACHINES LAB



- 325.8 Sq.m
- 12 Work tables associated with Electrical machines beds, White board, desk and chairs for accommodating 35 students, adequate Almirah for storing metering equipments, fire fighting equipments, first aid kit etc.

POWER ELECTRONICS LAB



- 120 Sq.m
- 16 Work tables, seating arrangements for 35 students with adequate number of fans, light, fire fighting equipments etc.

CAD/SIMULATION LAB



- 120 Sq.m
- 36 PCs with adequate software and seating for 36 students

INDUSTRIAL DRIVES AND CONTROL LAB



- 153.99 Sq.m
- 7 Work tables associated with power supply, White board, desk and chairs for accommodating 24 students

CIRCUITS LAB



- 74.74 Sq.m
- 12 Work tables, seating arrangements for 30 students with adequate number of fans, light, fire fighting equipments etc.

ELECTRICAL WORKSHOP



- 75 Sq.m
- 8 Work tables associated with power supply, Black board, desk and chairs for accommodating 35 students

INDUSTRIAL COLLABORATION

Industrial visits and Industrial Training are undertaken as a part of effective implementation of the curriculum. In order to bridge the gap between the academia and the industry and to give the students, the real practical picture that exists in the outside world, regular industrial training/visits are arranged which give the students a clear idea of the industrial practices, latest developments, practical knowledge etc.

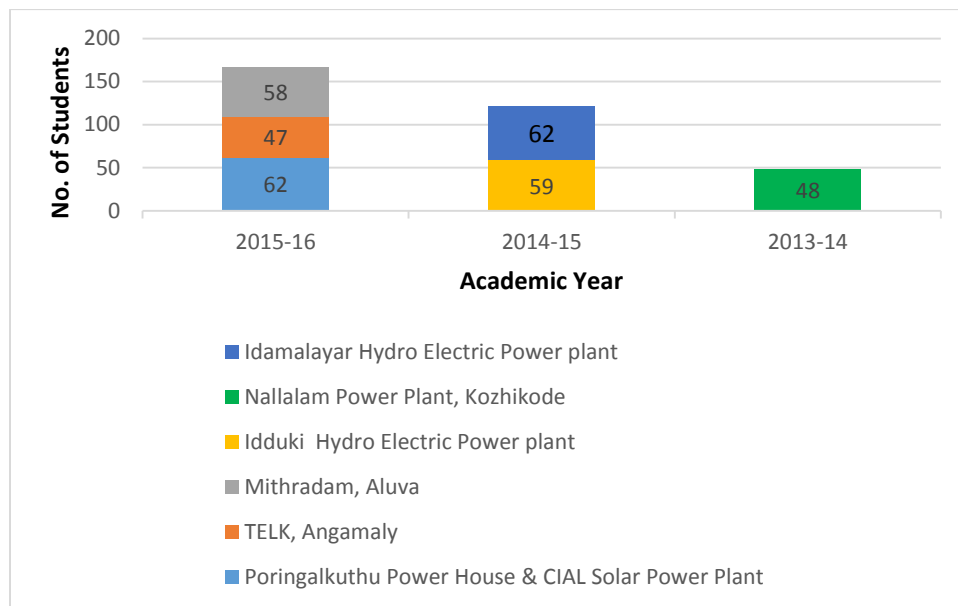


Figure 16: Industrial visit summary

Refer Annexure 7.1 in page 70 for details regarding industrial visit.

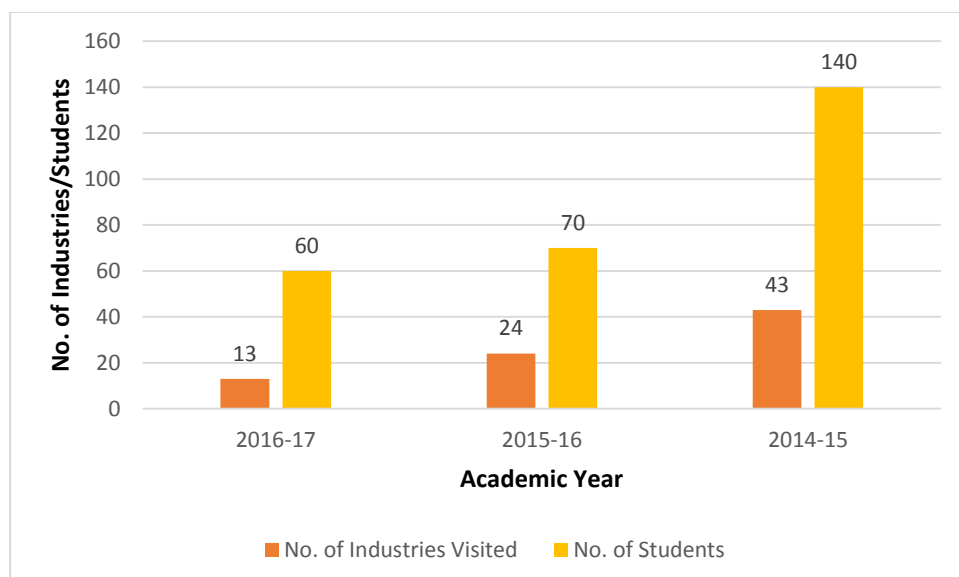


Figure 17: Industrial training summary

Refer Annexure 7.2 in page 71 for details regarding industrial training.

CONFERENCES/SEMINARS/WORKSHOPS/FDPs ORGANIZED BY FACULTY

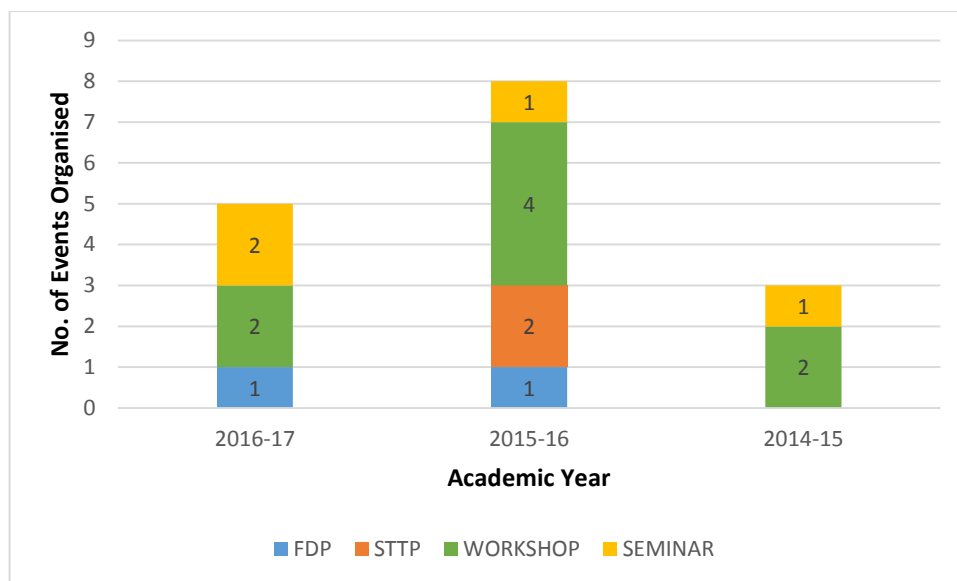


Figure 18: Summary of conferences/seminars/workshops/FDPs organized by faculty

Refer Annexure 8 in page 82 for detailed list of Conferences/ Seminars/ Workshops/ FDPs organized by faculty.

INVITED TALKS BY EXPERTS

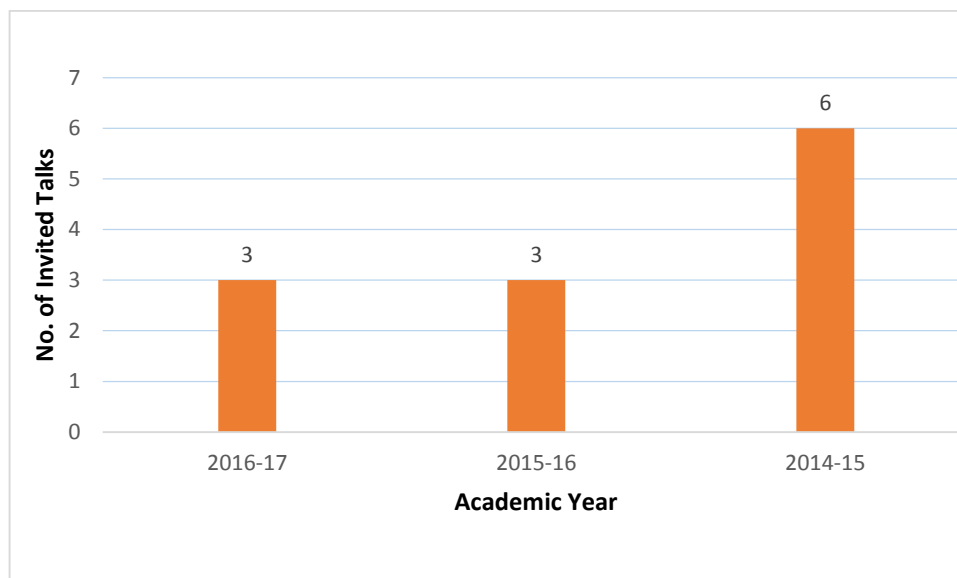


Figure 19: Summary of invited talks

Refer Annexure 9 in page 85 for detailed list of Invited Talks by Experts.

CONFERENCES/SEMINARS/WORKSHOPS/FDPs ATTENDED BY FACULTY

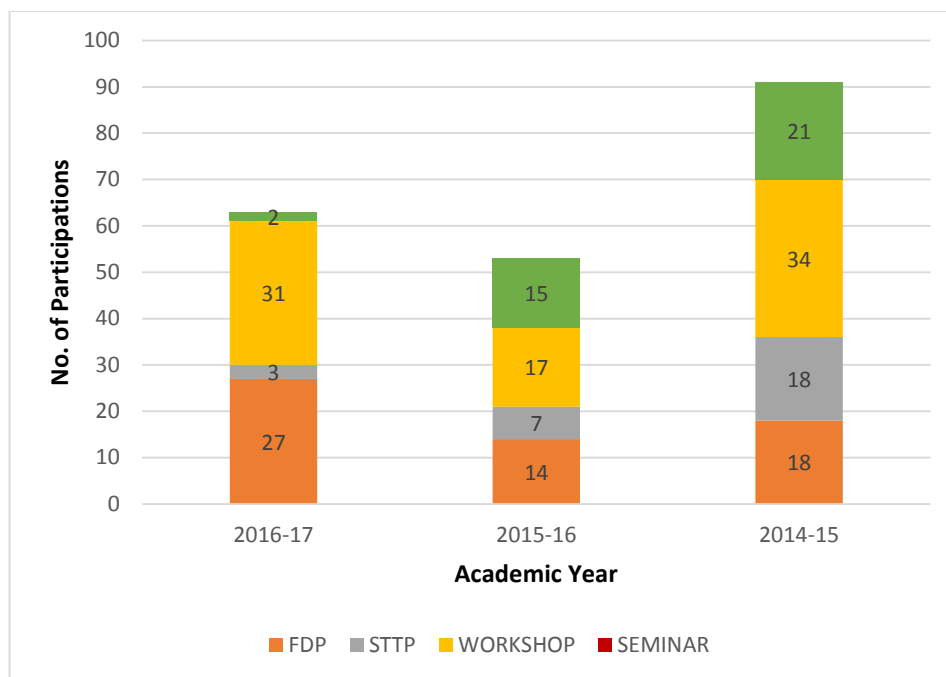


Figure 20: Summary of conferences/seminars/workshops/FDPs attended by faculty

Refer Annexure 10 in page 87 for details regarding Conferences/ Seminars/ Workshops/ FDPs attended by Faculty.

FACULTY AS RESOURCE PERSON

Academic Year (2016-17)				
Sl. No.	Name	Venue	Date	Topic Delivered
1.	Mr. Ginnes K. John	Vimal Jyothi Engineering College, Kannur	06/09/2016	Review of Microgrid Technology
Academic Year (2015-16)				
1.	Mr. J.T.Kuncheria	Toc H Institute of Science & Technology- Arakkunnam	24/07/2015	Invited talk on Power Quality Issues

Table 12: Details of faculty as resource person

RESEARCH PUBLICATIONS BY FACULTY

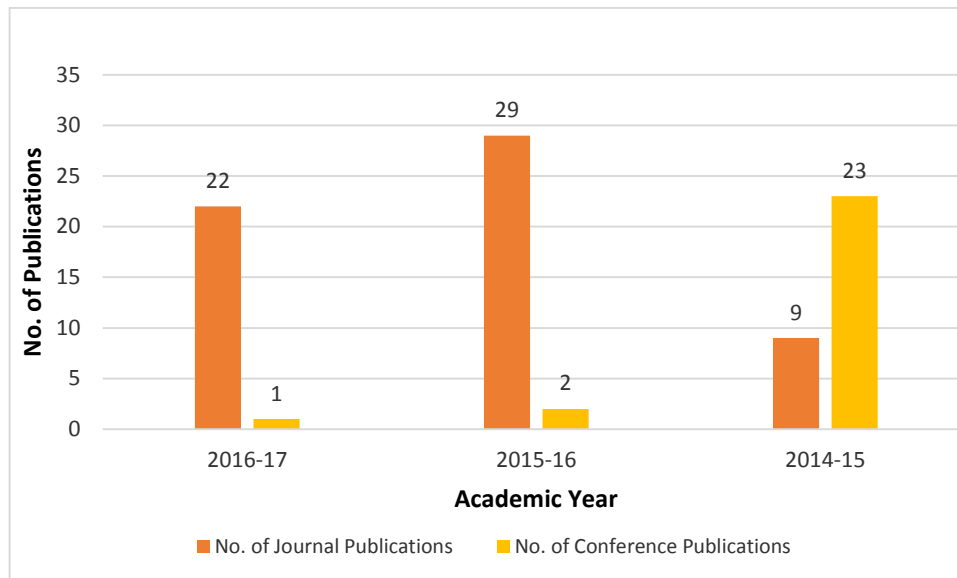


Figure 21: Summary of journal/conference publications by faculty

Refer Annexure 11.1 in page 114 & 11.2 in page 117 for details regarding Faculty Journal/Conference Publications.

PUBLICATIONS BY STUDENTS

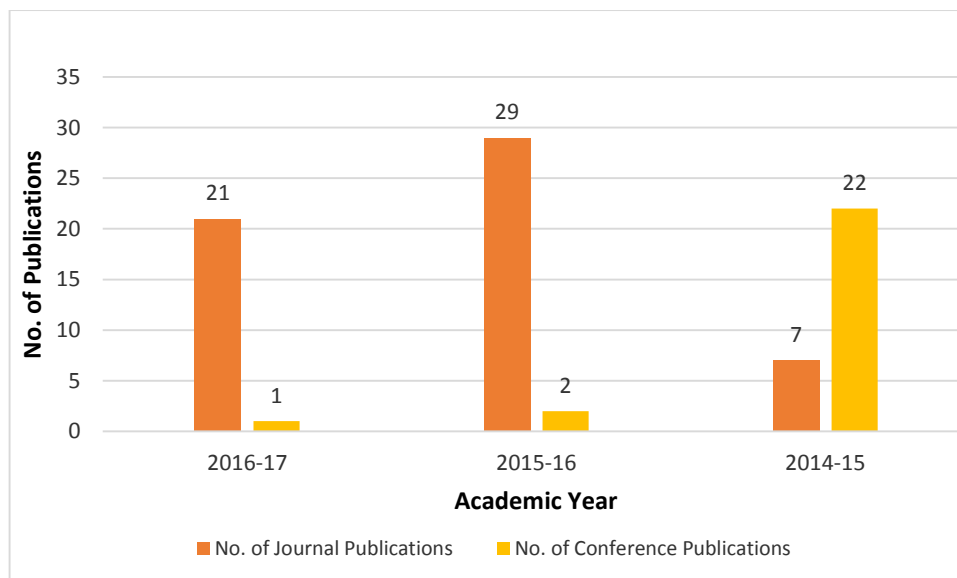


Figure 22: Summary of journal/conference publications by students

Refer Annexure 12.1 in page 124 & 12.2 in page 128 for details regarding Student Journal/Conference Publications.

PRESENTATIONS IN CONFERENCES

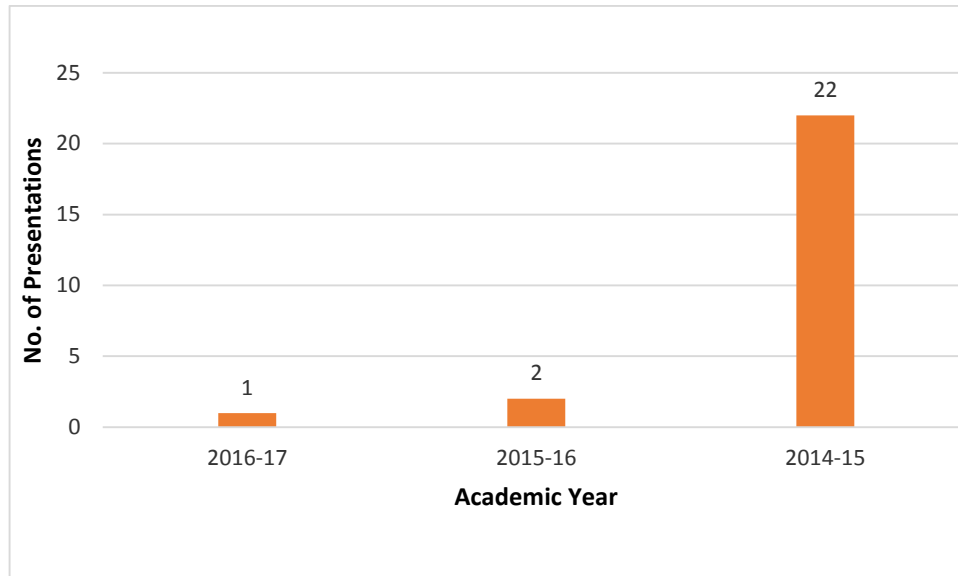


Figure 23: Summary of conference presentations by students

Refer Annexure 12.1 in page 124 for details regarding Student Conference Presentations.

BRANCH ASSOCIATION ACTIVITIES



EEE Department Branch Association – ELUXTRA was launched in the year 2008 and was inaugurated by Prof. R Harikumar, Project Director, ANERT. From its inception till date various activities have been conducted by ELUXTRA.



ELUXTRA also issues a department magazine- IMPULSE which contains various articles compiled by department staff and students.

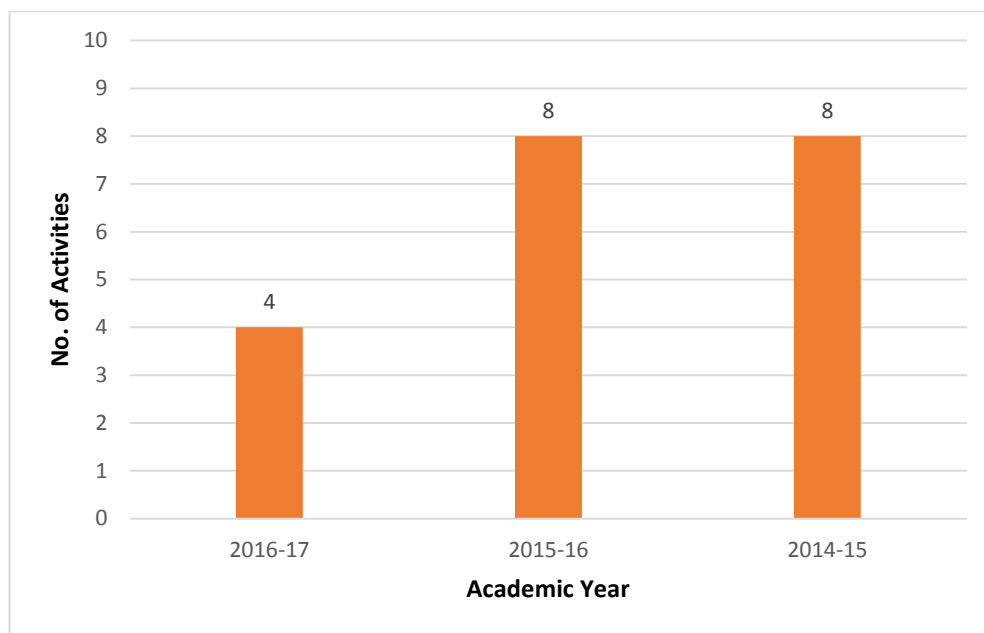


Figure 24: Summary of ELUXTRA activities

Refer Annexure 13.1 in page 135 for detailed list of Branch Association Activities.

PROFESSIONAL BODY ACTIVITIES

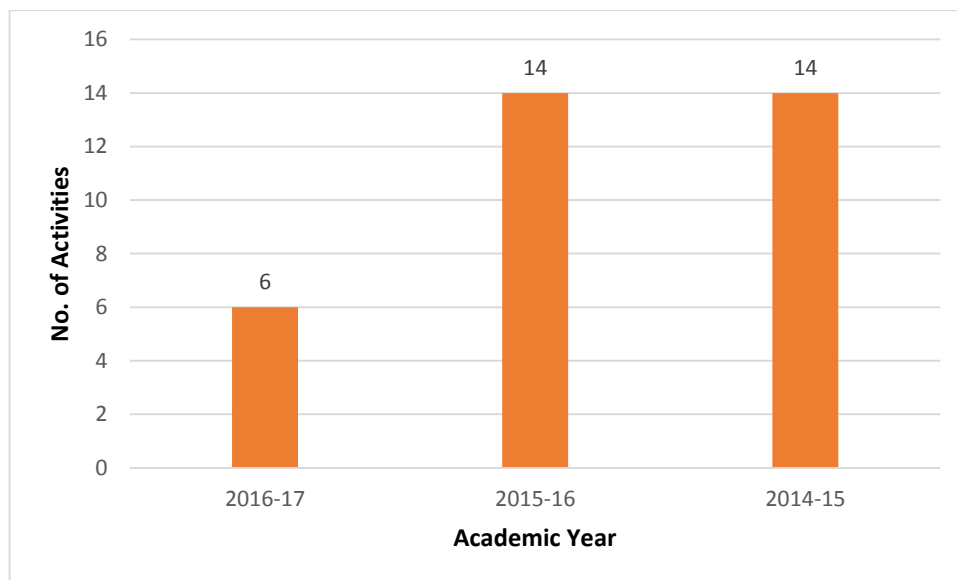


Figure 25: Summary of professional society activities

Refer Annexure 13.2 in page 139 for detailed list of Professional Society Activities.

PROFESSIONAL MEMBERSHIPS-FACULTY & STUDENTS

Faculty members and students are members of various Professional organizations.

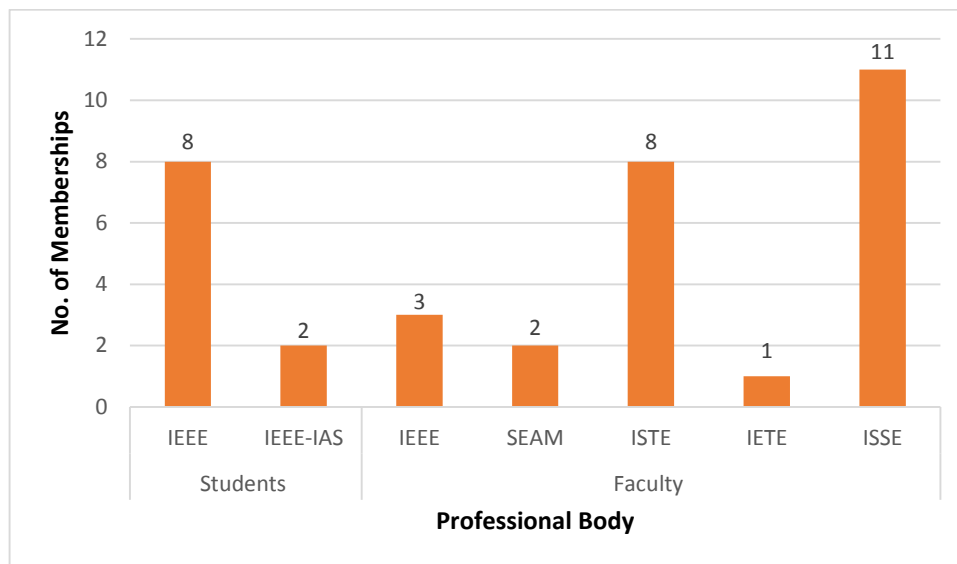


Figure 26: No. of professional association memberships for faculty/ students

DISTINGUISHED ALUMNI



Mr. Unnikrishnan C.
•Major, Indian Army
•2005-09 batch



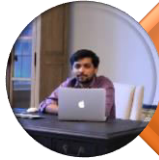
Mr. Arjun S.
•Lieutenant, Indian Navy
•2005-09 batch



Mr. Allan Sebastian
•Commanding officer, Indian Navy
•2006-10 batch



Ms. Anjana Sunilkumar
Commanding Officer, Indian Air Force
2011-15 batch



Mr. Libin Varghese
Electrical Engineer, Sharjah Electricity & Water Authority
2002-14 batch



Mr. Joseph Babu
Co-founder, Director and Chief Marketing officer, Raify Technologies
2008-12 batch



Mr. Mathew John
Founder, Smart Energy Solutions
2006-10 batch

BEST PRACTICES

• Graduate Assistantship

Rajagiri School of Engineering & Technology (RSET) offers Graduate Assistantship (GA) for M Tech students. The appointment of GA is for a period of one semester. GA duties are assigned to students who does not have any Govt. scholarships. Every department allots GA work to 20% of the students in an M Tech course.

A work schedule will be maintained by the GA, which is allotted by the concerned department. The concerned faculty member ensures that the GAs work for the stipulated time. A predesigned formatted worksheet consisting of the number of hours put in for a month is finally submitted by the Head of the Department to the Principal. GAs are required to work for six hours per week (maximum), to earn an average of Rs 3600/- per month.

Duties of a GA

1. GAs are allotted to lab courses in B Tech.
2. GAs are expected to explain the experiments and assist the students while they conduct the experiments.
3. GAs can grade assignments and also conduct viva-voce in lab courses.
4. GAs can help the faculty in conducting tutorials.
5. GAs can help students with difficulty in learning, to support them.

Sl. No.	Name of Student	Semester
1	Nandagopal P	S1/S2 M.Tech
2	Cerine Kallukaran	IDAC
3	Sreeram K	S3/S4 M.Tech
4	Dhanya Clara Joseph	IDAC

Table 13: List of graduate assistants

• *Cluster Co-ordinator of EKM 1 Cluster*

APJ Abdul Kalam Technological University introduced cluster autonomy for the conduct of M.Tech programmes. Rajagiri School of Engineering & Technology is the Cluster Convener College of Ernakulam -1 cluster. The Ernakulam-1 cluster has in total 23 M.Tech specializations, running across the nine colleges in the cluster.

Mr. Ginnes K. John is EKM 1 cluster co-ordinator for the programme Industrial Drives and Control.

• *Research Groups and Activities*

Faculty Members in the department are combined under different research groups for promoting research activities among faculty members as well as students. All B.Tech main projects are allotted based on the research groups. Few of the groups have received project funding from various organisations.

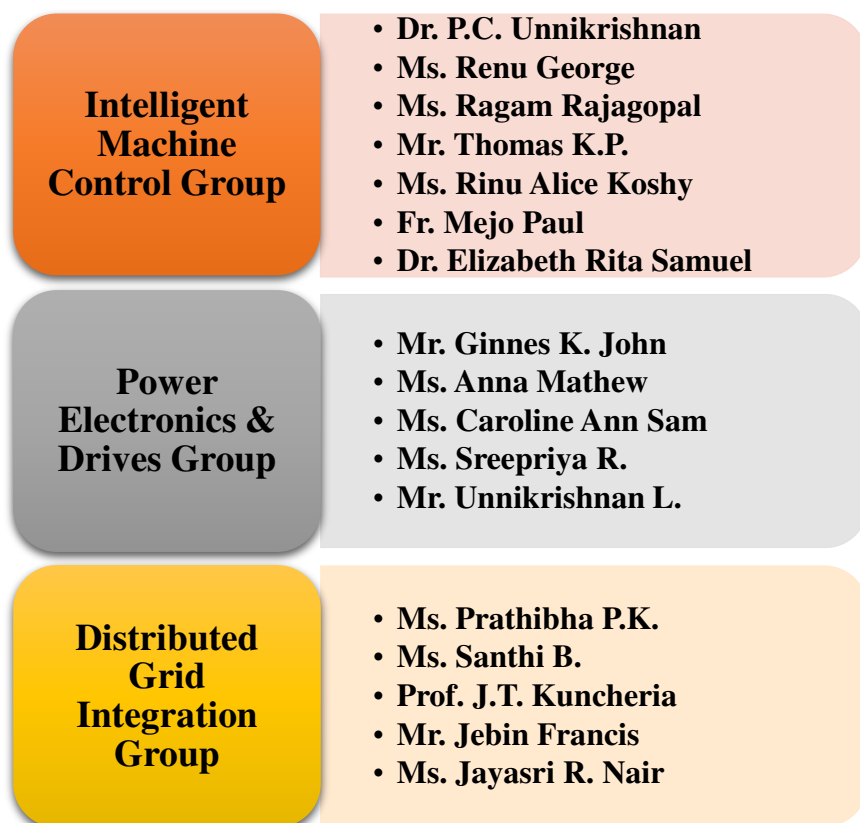


Figure 27: Department research groups

Sl. No	Name of The Research Group	B.Tech Main Projects	Remarks
1	Intelligent Machine Control Group	1. Object Tracking Using Autonomous Quad copter	Project Hardware support from NEST
		2.Robot For Detection Of Live Human Under Earthquake Debris	Project Hardware support from NEST
		3.Voice Operated Intelligent Fire Extinguishing Robot	Project Hardware support from NEST
		4.Automated Solar Panel Robot	Project Hardware support from NEST
		5.EEG Based Brain Controlled Wheelchair	
2	Power Electronics & Drives Group	1.Soft Starters For Motors	
		2. Waste Energy Utilization In Automobiles	
		3. Agricultural Moisture Meter Single Input Dc To AC/DC Converter	Project considered for funding from KSCSTE for Rs 2,12,000/-
3	Distributed Grid Integration Group	1. Solar Powered Hover Board With IOT	Project Hardware support from NEST
		2.Solar Based Advanced Water Quality Monitoring System Using Wireless Sensor	Project Hardware support from NEST
		3.Solar Based Smart Irrigation System	Project Hardware support from NEST KTU-CERD Student Funding of Rs 24000/-
		4.Household Power System Based DC Microgrid	
		5.Power Kites For Wind Energy Generation	
		6.Modelling Of Grid Connected PV System Using MATLAB/PSIM	

Table 14: Activities of research group during academic year 2016-17

PHOTO GALLERY



FELICITATION FOR THE PARTICIPANTS AND PRIZE WINNERS OF NAVA 2014 HELD AT MA ENGG. COLLEGE

Felicitation for the participants and prize winners of NAVA 2014 held at MA college was conducted on 31-03-2014 at Gallery hall in the presence of Rev Fr Dr. Antony Kariyil and Dr Unnikrishnan A, Principal, RSET



ONE DAY WORKSHOP ON INTRODUCTION TO VFD AND ITS APPLICATIONS

One day workshop on introduction to VFD and its application was conducted by Mr. Ajith Nair on 16-11-2013 at conference hall.



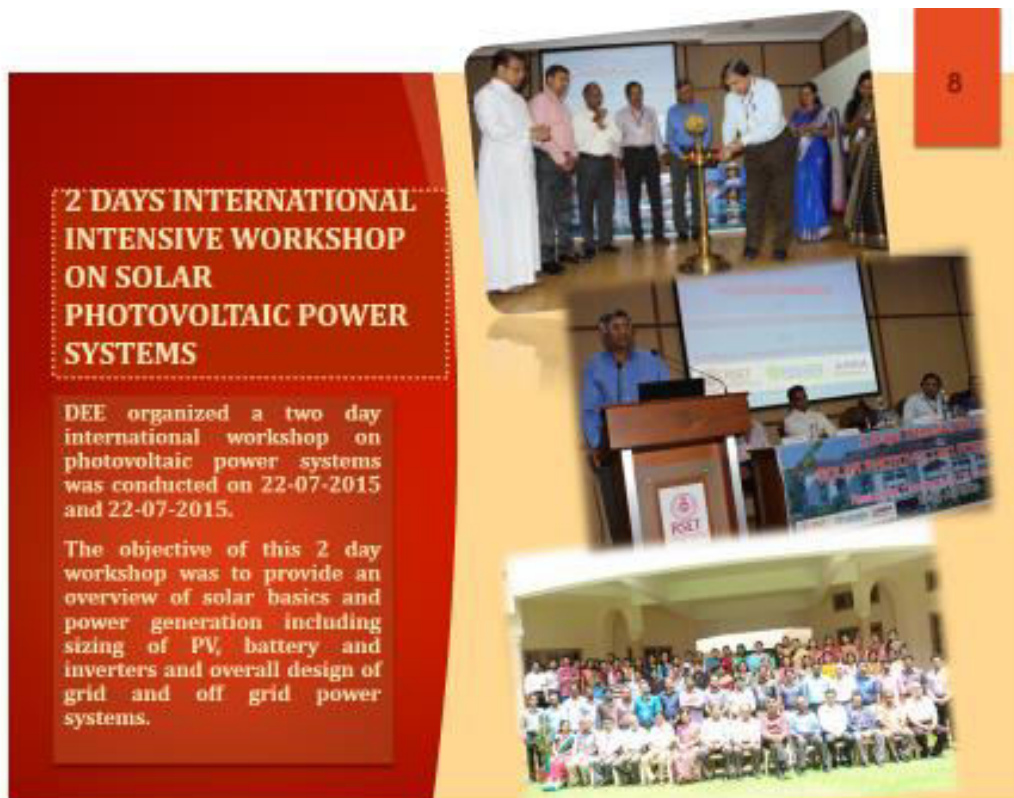
FELICITATION OF MALAYALA MANORAMA- YUVA MASTER MIND 2014 CONTEST WINNERS

Felicitations of the Malayala Manorama Yuva master mind 2014 contest winners was conducted on 13-02-2014 at Gallery hall



ELECTRICAL LABS BLESSING





9

B.TECH PROJECT EXPO

B.Tech project expo was conducted on 28-04-2016 at machines lab.



10

ELECTRO WAR

Technical Event Organized by S7 EEE Students



ELUXTRA INAUGURATION

ELUXTRA activities for the academic year 2015-16 was inaugurated on 4th April 2016 at Gallery hall



11

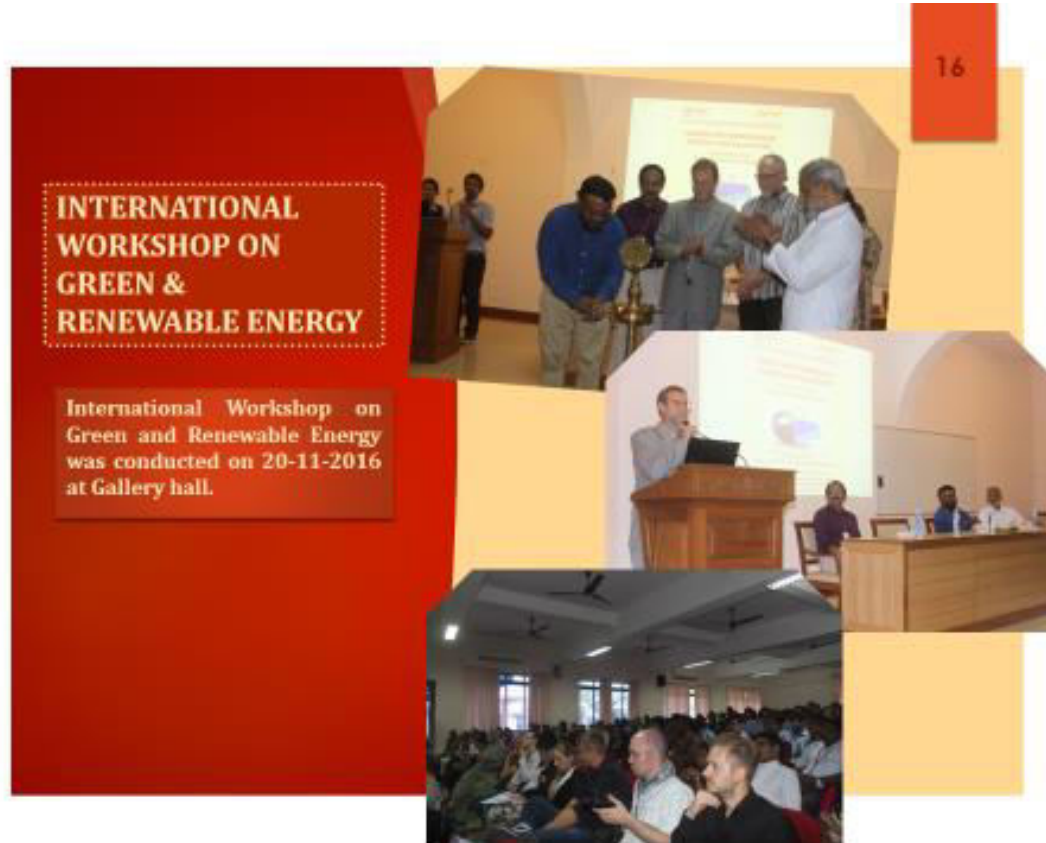
DISTRICT LEVEL SEMINAR ON ENERGY EFFICIENCY & DEVELOPMENT AND PRESENTATION OF NATIONAL ENERGY AUDITING COMPETITION AWARDS (NEAC) 2015

Eluxtra hosted District level seminar on energy efficiency & development and presentation of national energy auditing competition awards (NEAC) 2015 organized by Energy Conservation Society on 03-05-2016



12





SAAVISHKAR 2016

A project exhibition for Plus 2 students conducted at RSET on 26 July 2016. Around 1700 plus 2 students from 30 schools participated in the program. The EEE department actively participated in the program along with other departments by exhibiting the EEE student's projects and labs to the Plus 2 students. The highlight of EEE department was the Robotics World where Robotics based projects were exhibited.



17

CLASS TOUR



18

ANNEXURE 1 – CURRICULUM**1.1 B.TECH-MAHATMA GANDHI UNIVERSITY****5th Semester**

Code	Subject	Hours/week			Marks		End-sem duration- hours	Credits
		L	T	P/D	Inter- nal	End- sem		
EN010 501A	Engineering Mathematics IV	2	2	-	50	100	3	4
EN 010 502(ME)	Principles of Management	3	1		50	100	3	4
EE 010 503	Signals and Systems	2	2	-	50	100	3	4
EE010 504	Power Electronics	3	1	-	50	100	3	4
EE 010 505	Linear Integrated Circuits	3	1	-	50	100	3	4
EE 010 506	Microprocessors and Applications	3	1	-	50	100	3	4
EE010 507	Electrical Machines Lab I	-	-	3	50	100	3	2
EE010 508	Integrated Circuits Lab	-	-	3	50	100	3	2
	Total	16	8	6				28

6th Semester

Code	Subject	Hours/week			Marks		End-sem duration- hours	Credits
		L	T	P/D	Inter- nal	End- sem		
EE010 601	Power Generation and Distribution	2	2	-	50	100	3	4
EE 010 602	Induction Machines	3	1	-	50	100	3	4
EE 010 603	Control System Engineering	2	2	-	50	100	3	4
EE010 604	Digital Signal Processing	3	1	-	50	100	3	4
EE 010 605	Microcontrollers and Embedded Systems	3	1	-	50	100	3	4
EE 010 606Lxx	Elective I	2	2	-	50	100	3	4
EE010 607	Power Electronics Lab	-	-	3	50	100	3	2
EE010 608	Mini project/ Microprocessor and Microcontroller Lab	-	-	3	50	100	3	2
	Total	15	9	6				28

Elective I

EE 010 606L01	H V Engineering
EE 010 606L02	VLSI systems
EE 010 606L03	Artificial Neural Networks
EE 010 606L04	Object Oriented Programming
EE 010 606L05	Bio - medical engineering
EE 010 606L06	Renewable energy Sources

7th Semester

Code	Subject	Hours/week			Marks		End-sem duration- hours	Credits
		L	T	P/D	Inter- nal	End- sem		
EN010 701	Electrical Power Transmission	2	2	-	50	100	3	4
EE 010 702	Synchronous Machines	2	1	-	50	100	3	4
EE010 703	Drives and Control	2	2	-	50	100	3	3
EE010 704	Modern Control Theory	2	1	-	50	100	3	3
EE010 705	Communication Engineering	2	1	-	50	100	3	3
EE 010 706Lxx	Elective II	2	2	-	50	100	3	4
EE010 707	Electrical CAD	-	-	3	50	100	3	2
EE 010 708	Control and Simulation Lab	-	-	3	100			2
EE010 709	Seminar	-	-	2	50	-	-	2
EE 010 710	Project	-	-	-	50	-	-	1
	Total	12	9	9				28

Elective II

EE010 706L01	H V D C Transmission
EE010 706L02	Industrial Instrumentation
EE010 706L03	Power Quality
EE010 706L04	PLC Based system
EE010 706L05	MEMS
EE010 706L06	Special Electrical Machines

8th Semester

Code	Subject	Hours/week			Marks		End-sem duration- hours	Credits
		L	T	P/D	Inte- rnal	End- sem		
EE010 801	Power System Analysis	2	2	2	50	100	3	4
EE010 802	Switch Gear and Protection	2	2	-	50	100	3	4
EE 010 803	Electrical System Design	3	2	-	50	100	3	4
EE010 804Lxx	Elective III	2	2	-	50	100	3	4
EE 010 805Gxx	Elective IV	2	2	-	50	100	3	4
EE 010 806	Project	-	-	6	50	100	3	4
EE010 807	Electrical Machines Lab II	-	-	3	50	100	3	2
EE 010 808	Viva Voce	-	-	-	-	50	-	2
	Total	11	10	9				28

Electives III

EE010 804L01	Advanced Power System
EE010 804L02	Computer Networks
EE010 804L03	Generalized Machine Theory
EE010 804L04	Finite Element applications in Electrical Engineering.
EE010 804L05	Digital Signal Processors
EE010 804L06	Opto Electronics

Electives IV

EE010 805G01	Soft Computing Techniques
EE010 805G02	Intellectual property rights
EE010 805G03	Advanced Mathematics
EE010 805G04	Virtual Instrumentation
EE010 805G05	Digital Image Processing
EE010 805G06	Distributed Power Systems

1.2 B.TECH-APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**SEMESTER I**

Slot	Course No.	Subject	L-T-P	Hours	Credits
A	MA101	Calculus	3-1-0	4	4
B (1/2)	PH100	Engineering Physics	3-1-0	4	4
	CY100	Engineering Chemistry	3-1-0	4	4
C (1/2)	BE100	Engineering Mechanics	3-1-0	4	4
	BE110	Engineering Graphics	1-1-3	5	3
D	BE101-0X	Introduction to_____Engineering	2-1-0	3	3
E	BE103	Introduction to Sustainable Engineering	2-0-1	3	3
F (1/4)	CE100	Basics of Civil Engineering	2-1-0	3	3
	ME100	Basics of Mechanical Engineering	2-1-0	3	3
	EE100	Basics of Electrical Engineering	2-1-0	3	3
	EC100	Basics of Electronics Engineering	2-1-0	3	3
S (1/2)	PH110	Engineering Physics Lab	0-0-2	2	1
	CY110	Engineering Chemistry Lab	0-0-2	2	1
T (2/4)	CE110/ME110/EE110/EC110/CS110/CH110	Basic Engineering Workshops	0-0-2	2	1
		(CS110 for CS and related branches and CH110 for CH and related branches only)	+ 0-0-2	2	1
U		U100 Language lab / CAD Practice/Bridge courses/Micro Projects etc	0-0-(2/3)	(2/3)	
				30	24/23
V		V100Entrepreneurship/TBI/NC C/NSS/PhysicalEdn.etc	0-0-2	2	Activity points

Notes:

1. Basic Engineering course of the parent branch included as Introduction to [Electrical Engineering](#). (3 credits)

List of Courses offered under BE 101-0X and Branches associated with each course

1. BE101-01 Introduction to Civil Engineering

Civil Engineering

2. BE101-02 Introduction to Mechanical Engineering Sciences

Aeronautical Engineering, Automobile Engineering, Food Technology, Industrial Engineering, Mechanical Engineering, Mechanical Engineering (Automobile), Mechanical Engineering (Production), Mechatronics, Metallurgy, Naval Architecture & Ship Building, Production Engineering

3. BE101-03 Introduction to Electrical Engineering

Electrical & Electronics Engineering

4. BE101-04 Introduction to Electronics Engineering

Applied Electronics & Instrumentation Engineering, Biomedical Engineering, Electronics & Biomedical Engineering, Electronics & Communication Engineering, Electronics & Instrumentation Engineering, Instrumentation & Control Engineering.

5. BE101-05 Introduction to Computing and Problem Solving

Computer Science & Engineering, Information Technology.

6. BE101-06 Introduction to Chemical Engineering

Biotechnology/ Biotechnology & Biochemical Engineering, Chemical Engineering,

2. Institutions can recommend **one of four** other Basic Engineering courses offered during this semester for every branch. However, the basic course selected should exclude the one corresponding to their branch of specialization. eg. Student who took Introduction to Civil Engineering should not take Basics of Civil Engineering; student who took Introduction to Electrical Engineering should not take Basics of Electrical Engineering.

3. The six basic engineering workshops will be connected with the Introductory or Basics of Engineering courses offered. The students should attend **two workshops in Semester 1 and two in Semester 2**. For example, students opting *Introduction to Civil Engineering* or Basics of Civil Engineering should attend the *Civil Engineering Workshop*, students opting *Introduction to Mechanical Engineering* or Basics of Mechanical Engineering should attend the *Mechanical Engineering Workshop*, students opting *Introduction to Chemical Engineering* should attend the *Chemical Engineering Workshop* and students opting *Introduction to Computing and Problem Solving* should attend the *Computer Science Workshop* etc. In addition, the students should attend one more workshop course in Semester 1, corresponding to the other Basic Engineering course they had been assigned by the institution. The workshop courses corresponding to both introductory and basic courses are same. However, the institutions may allot exercises or experiments listed in the syllabus based on the contents of corresponding theory course.

4. Engineering Physics and Engineering Chemistry shall be offered in both semesters. Institutions can advise students belonging to about 50% of the number of branches in the institution to opt for Engineering Physics in S1 and Engineering Chemistry in S2 and vice versa. Students opting for Engineering Physics in S1 should attend Engineering Physics Lab in S1 and students opting for Engineering Chemistry in S1 should opt for Engineering Chemistry Lab in S1.

5. Engineering Mechanics and Engineering Graphics shall be offered in both semesters. Institutions can advise students belonging to about 50% of number of branches in the institution to opt for Engineering Mechanics in Semester 1 and Engineering Graphics in Semester 2 and vice versa.
6. It may be noted that for items 4 and 5 above, all students belonging to a particular branch of study must be assigned the same course during one semester. For example, all students belonging to Electrical and Electronics Engineering in an institution may be assigned Engineering Physics and Engineering Physics lab, while all students in Electronics and Communication may be assigned Engineering Chemistry and Chemistry lab. Likewise, all students in Civil Engineering branch may be assigned Engineering Graphics, while all students in Mechanical Engineering branch may be allotted the Engineering Mechanics in Semester 1 and vice versa in Semester 2.
7. For **Course U**, the Institutions should conduct **diagnostic tests** to identify the training requirements of each student and advise them to attend the suitable programme. The students who excel in all diagnostic tests can be assigned **Micro projects** under the guidance of faculty members. The classes for which BE110 Engineering Graphics is offered under slot C may be divided into two batches and these batches shall attend CAD Practice lab & Language Lab in alternate weeks.
8. **Course V** is for earning activity points outside academic hours, the details are covered in rules and regulations of KTU.

ELECTRICAL & ELECTRONICS ENGINEERING

SEMESTER II

Slot	Course No.	Subject	L-T-P	Hours	Credits
A	MA102	Differential Equations	3-1-0	4	4
B (1/2)	PH100	Engineering Physics	3-1-0	4	4
	CY100	Engineering Chemistry	3-1-0	4	4
C	BE100	Engineering Mechanics	3-1-0	4	4
	BE110	Engineering Graphics	1-1-3	5	3
D	BE102	Design & Engineering	2-0-2	4	3
E, F (2/4)	CE 100	Basics of Civil Engineering	2-1-0	3	3
	ME 100	Basics of Mechanical Engineering	2-1-0	3	3
	EE 100	Basics of Electrical Engineering	2-1-0	3	3
	EC 100	Basics of Electronics Engineering	2-1-0	3	3
	CS 100	Computer Programming (Only for CSE & IT branches)	2-1-0	3	3
S	PH110	Engineering Physics Lab	0-0-2	2	1
	CY110	Engineering Chemistry Lab	0-0-2	2	1
T	CE110/ME110/ EE110/EC110	Basic Engineering Workshops	0-0-2 +	2	1
	CS 120	Computer Programming Lab (only for CSE & IT	0-0-2	2	1
U		U100 Language lab / CAD Practice/ Bridge courses/ Micro Projects etc	0-0-(1/2)	(1/2)	
				30	24/23
V		V100 Entrepreneurship /TBI/NCC/NSS/ Physical Edn. etc	0-0-2	2	Activity points

Note 1: Institutions can assign **two of four** of Basics of Engineering courses not already taken by the student in the previous semester and the corresponding Workshop courses in Semester 2. CS 100 Basics of Computer Programming & CS120 Computer Programming Lab are mandatory for Computer Science & Engineering and Information Technology branches. Other branches are not allowed to opt these courses.

Note 2: **For Course U**, the classes for which BE110 Engineering Graphics is offered under slot C may be divided into two batches and these batches shall attend CAD Practice lab & Language Lab in alternate weeks.

SEMESTER III

Course Code	Course Name	L-T-P	Credits	Exam Slot
MA201	Linear Algebra & Complex Analysis	3-1-0	4	A
EE201	Circuits and Networks	3-1-0	4	B
EE203	Analog Electronic Circuits	3-1-0	4	C
EE205	DC Machines and Transformers	3-1-0	4	D
EE207	Computer Programming	2-1-0	3	E
HS200/ HS210	Business Economics/Life Skills	3-0-0/ 2-0-2	3	F
EE231	Electronic Circuits Lab	0-0-3	1	S
EE233	Programming Lab	0-0-3	1	T

Total Credits = 24

Hours: 28/29

Cumulative Credits= 71

SEMESTER IV

Total Credits = 23 Hours 28/27

Cumulative Credits= 9

ELECTRICAL & ELECTRONICS ENGINEERING

Course Code	Course Name	L-T-P	Credits	Exam Slot
MA202	Probability Distributions, Transforms and Numerical Methods	3-1-0	4	A
EE202	Synchronous and Induction Machines	3-1-0	4	B
EE204	Digital Electronics and Logic Design	2-1-0	3	C
EE206	Material Science	3-0-0	3	D
EE208	Measurements and Instrumentation	3-1-0	4	E
HS210/200	Life Skills/Business Economics	2-0-2/ 2-0-0	3	F
EE232	Electrical Machines Lab I	0-0-3	1	S
EE234	Circuits and Measurements Lab	0-0-3	1	T

SEMESTER V

Course Code	Course Name	L-T-P	Credits	Exam Slot
EE301	Power Generation, Transmission and Protection	3-1-0	4	A
EE303	Linear Control Systems	2-1-0	3	B
EE305	Power Electronics	3-0-0	3	C
EE307	Signals and Systems	3-0-0	3	D
EE309	Microprocessor and Embedded Systems	2-1-0	3	E
	Elective 1	3-0-0	3	F
EE341	Design Project	0-1-2	2	S
EE331	Digital Circuits and Embedded Systems Lab	0-0-3	1	T
EE333	Electrical Machines Lab II	0-0-3	1	U

Total Credits = 23 Hours: 28

Cumulative Credits= 117

- Elective 1:-**
1. EE361 Object Oriented Programming
 2. EE363 Computer Organization and Architecture
 3. EE365 Digital System Design
 4. EE367 New and Renewable Energy Systems
 5. EE369 High Voltage Engineering

SEMESTER VI

Course Code	Course Name	L-T-P	Credits	Exam Slot
EE302	Electromagnetics	2-1-0	3	A
EE304	Advanced Control Theory	3-1-0	4	B
EE306	Power System Analysis	3-0-0	3	C
EE308	Electric Drives	3-0-0	3	D
HS300	Principles of Management	3-0-0	3	E
	Elective 2	3-0-0	3	F
EE332	Systems and Control Lab	0-0-3	1	S
EE334	Power Electronics & Drives Lab	0-0-3	1	T
EE352	Comprehensive Exam	0-1-1	2	U

Total Credits = 23 Hours: 27

Cumulative Credits= 140

Elective 2:-

1. EE362 Data Structures and Algorithms
2. EE364 Switched Mode Power Converters
3. EE366 Illumination Technology
4. EE368 Soft Computing
5. EE372 Biomedical Instrumentation

SEMESTER VII

Course Code	Course Name	L-T-P	Credits	Exam Slot
EE401	Electronic Communication	2-1-0	3	A
EE403	Distributed Generation and Smart Grids	3-0-0	3	B
EE405	Electrical System Design	3-1-0	4	C
EE407	Digital Signal Processing	3-0-0	3	D
EE409	Electrical Machine Design	3-0-0	3	E
	Elective 3	3-0-0	3	F
EE451	Seminar & Project Preliminary	0-1-4	2	S
EE431	Power System Lab	0-0-3	1	T

Total Credits = 22 Hours: 27**Cumulative Credits= 162**

Elective 3:-

1. EE461 Modern Operating Systems
2. EE463 Computer Aided Power Systems Analysis
3. EE465 Power Quality
4. EE467 Nonlinear Control Systems
5. EE469 Electric and Hybrid Vehicles

SEMESTER VIII

Course Code	Course Name	L-T-P	Credits	Exam Slot
EE402	Special Electric Machines	3-0-0	3	A
EE404	Industrial Instrumentation & Automation	3-0-0	3	B
	Elective 4	3-0-0	3	C
	Elective 5 (Non Departmental)	3-0-0	3	D
EE492	Project		6	

Total Credits = 18 Hours: 30**Cumulative Credits= 180****Elective 4:-**

1. EE462 Design of Digital Control Systems
2. EE464 FACTS
3. EE466 Digital Image Processing
4. EE468 Computer Networks
5. EE472 Internet of Things
6. EE474 Energy Management and Auditing

Elective 5 (NON DEPARTMENTAL ELECTIVE COURSES):

1. AO482 AUTOMOTIVE AERODYNAMICS
2. AE482 INDUSTRIAL INSTRUMENTATION
3. AE484 INSTRUMENTATION SYSTEM DESIGN
4. AU484 MICROPROCESSOR AND EMBEDDED SYSTEMS
5. AU486 NOISE, VIBRATION AND HARSHNESS
6. BM482 BIOMEDICAL INSTRUMENTATION
7. BM484 MEDICAL IMAGING & IMAGE PROCESSING TECHNIQUES
8. BT482 DESIGN OF BIOLOGICAL WASTEWATER SYSTEMS
9. BT484 SUSTAINABLE ENERGY PROCESSES
10. CH482 PROCESS UTILITIES AND PIPE LINE DESIGN
11. CH484 FUEL CELL TECHNOLOGY
12. CE482 ENVIRONMENTAL IMPACT ASSESSMENT
13. CE484 APPLIED EARTH SYSTEMS
14. CE486 GEO INFORMATICS FOR INFRASTRUCTURE MANAGEMENT
15. CE488 DISASTER MANAGEMENT
16. CE492 ENVIRONMENT HEALTH AND SAFETY
17. CS482 DATA STRUCTURES
18. CS484 COMPUTER GRAPHICS
19. CS486 OBJECT ORIENTED PROGRAMMING
20. CS488 C # AND .NET PROGRAMMING
21. EE482 ENERGY MANAGEMENT AND AUDITING
22. EE484 CONTROL SYSTEMS
23. EE486 INDUSTRIAL AUTOMATION
24. EE488 INSTRUMENTATION SYSTEMS
25. EE492 SOFT COMPUTING
26. EC482 BIOMEDICAL ENGINEERING
27. FT482 FOOD PROCESS ENGINEERING
28. FT484 FOOD STORAGE ENGINEERING
29. FT486 FOOD ADDITIVES AND FLAVOURING

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30. IE482	FINANCIAL MANAGEMENT
31. IE484	INTRODUCTION TO BUSINESS ANALYTICS
32. IE486	DESIGN AND ANALYSIS OF EXPERIMENTS
33. IE488	TOTAL QUALITY MANAGEMENT
34. IC482	BIOMEDICAL SIGNAL PROCESSING
35. IT482	INFORMATION SYSTEM MANAGEMENT
36. MA482	APPLIED LINEAR ALGEBRA
37. MA484	OPERATIONS RESEARCH
38. MA486	ADVANCED NUMERICAL COMPUTATIONS
39. MA488	CRYPTOGRAPHY (Not for IT branch)
40. ME469	FINITE ELEMENT ANALYSIS
41. ME482	ENERGY CONSERVATION AND MANAGEMENT
42. ME471	OPTIMIZATION TECHNIQUES
43. MP482	PRODUCT DEVELOPMENT AND DESIGN
44. MP469	INDUSTRIAL PSYCHOLOGY & ORGANIZATIONAL BEHAVIOUR
45. MP484	PROJECT MANAGEMENT
46. MT482	INDUSTRIAL SAFETY
47. MR482	MECHATRONICS
48. FS482	RESPONSIBLE ENGINEERING
49. SB482	DREDGERS AND HARBOUR CRAFTS
50. HS482	PROFESSIONAL ETHICS

1.3 M. TECH DEGREE PROGRAMME IN INDUSTRIAL DRIVES AND CONTROL**SEMESTER-1**

Exam Slot	Course No:	Name	L- T – P	Internal Marks	End Semester Exam Marks	Duration (hrs)	Credits
A	06EE 6 01 1 **	Advanced Mathematics	4-0-0	40	60	3	4
B	06EE 6 02 1 *	Analysis of Power Electronic Systems I	4-0-0	40	60	3	4
C	06EE 6 03 1	Electric Drives	4-0-0	40	60	3	4
D	06EE 6 04 1	Modeling & Analysis of Electrical Machines	3-0-0	40	60	3	3
E	06EE 6 X5 1	Elective I	3-0-0	40	60	3	3
	06EE 6 06 1	Research methodology	0-2-0	100	0	0	2
	06EE 6 07 1	Seminar I	0-0-2	100	0	0	2
	06EE 6 08 1	Power Electronics Lab	0-0-3	100	0	0	1

Credits: 23

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Elective I (06 EE 6 X5 1)	
06EE 6 15 1**	Systems Theory
06EE 6 25 1	Power Semiconductor Devices
06EE 6 35 1*	Digital Simulation of Power Electronic Systems
06EE 6 45 1***	Energy Management in Electrical Systems

* Common to IDAC/PE/PEPS

** Common to IDAC/PEPS

*** Common to IDAC/PE

SEMESTER-2

Exam Slot	Course No:	Name	L- T – P	Internal Marks	End Semester Exam Marks (hrs)	Duration	Credits
A	06EE 6 01 2*	Analysis of Power Electronic Systems II	4-0-0	40	60	3	4
B	06EE 6 02 2	Advanced Control of AC drives	3-0-0	40	60	3	3
C	06EE 6 03 2	Special Electrical Machines and Drives	3-0-0	40	60	3	3
D	06EE 6 X4 2	Elective II	3-0-0	40	60	3	3
E	06EE 6 X5 2	Elective III	3-0-0	40	60	3	3
	06EE 6 06 2	Mini Project	0-0-4	100	0	0	2
	06EE 6 07 2	Electric Drives Lab	0-0-3	100	0	0	1

Credits:19

ELECTRICAL & ELECTRONICS ENGINEERING

Elective II - (06EE 6 X4 2)		Elective III- (06 EE 6 X5 2)	
06EE 6 14 2*	Power Quality	06EE 6 15 2	FACTS Technology
06EE 6 24 2	Adaptive Control	06EE 6 25 2	Optimal Control Theory
06EE 6 34 2	Advanced Digital Signal Processing	06EE 6 35 2*	Smart Grid Technology and applications
06EE 6 44 2*	Robotics and automation	06EE 6 45 2	Electric Vehicle Technology

* Common to IDAC/PE/PEPS

SEMESTER-III

Exam Slot	Course No:	Name	L- T – P	Internal Marks	End Semester Exam Marks	Duration (hrs)	Credits
A	06EE7 X1 1	Elective IV	3-0-0	40	60	3	3
B	06EE7 X2 1	Elective V	3-0-0	40	60	3	3
	06EE 7 03 1	Seminar II	0-0-2	100	0	0	2
	06EE 7 04 1	Project(Phase 1)	0-0-12	50	0	0	6

Credits: 14

Elective-IV(06 EE 7 X1 3)		Elective-V(06 EE 7 X2 3)	
06EE 7 11 1*	Power Electronic control of special electrical machines	06EE 7 12 1*	Soft Computing Techniques
06EE 7 21 1*	Power Electronics for Renewable Energy Systems	06EE 7 22 1*	Distributed Generation and control
06EE 7 31 1*	Embedded Controllers	06EE 7 32 1*	High voltage DC Transmission
06EE 7 41 1	Digital Control Systems	06EE 7 42 1	Bio inspired algorithm and its applications

* Common to IDAC/PE/PEPS

SEMESTER-IV

Exam Slot	Course No:	Name	L- T – P	Internal Marks	End Semester Exam Marks	Duration (hrs)	Credits
A	06EE 7 01 2	Project (Phase 2)	0-0-21	70	30		12

Credits: 12

Total Credits for all semesters: 68

L – Lecture T - Tutorial P - Practials

ANNEXURE 2 - PLACEMENT STATISTICS**Academic Year 2016-17****2013-17 batch [Placements Ongoing]**

Company	No. Of Students Placed
WIPRO IT	7
WIPRO VLSI	2
INFOSYS	20
CTS	21
MYTRAH	3
IVTL INFOVIEW	1
SPERIDIAN	1

CLASS STRENGTH	62
ELIGIBLE STUDENTS (CGPA 6 + NO BACK LOG)	42
% OF ELIGIBLE STUDENTS	67.74
ELIGIBLE STUDENTS PLACED	32
% OF ELIGIBLE STUDENTS PLACED	76.2
NO OF ELIGIBLE STUDENTS NOT YET PLACED	11
NO OF STUDENTS NOT ELIGIBLE BUT PLACED	0
BRANCH TOTAL OFFER	55
TOTAL NO OF STUDENTS PLACED	32
TOTAL OPTOUT	0
ELIGIBLE STUDENTS OPT OUT	0
% OF PLACEMENT (Considering Class Strength)	51.6

Academic Year 2015-16**2012-2016 BATCH**

Company	No. Of Students Placed
WIPRO	23
INFOSYS	23
CTS	24
MYTRAH	3
IBM	1
BOSCH	1
HINDUJA	1
SUTHERLAND	6
HDFC BANK	1
ROBOSOFTECHNOLOGIES	1
TELENOVA	1

ELECTRICAL & ELECTRONICS ENGINEERING

CLASS STRENGTH	60
ELIGIBLE STUDENTS (CGPA 6 + NO BACK LOG)	41
% OF ELIGIBLE STUDENTS	68.33
ELIGIBLE STUDENTS PLACED	35
% OF ELIGIBLE STUDENTS PLACED	92.68
NO OF ELIGIBLE STUDENTS NOT YET PLACED	7
NO OF STUDENTS NOT ELIGIBLE BUT PLACED	7
BRANCH TOTAL OFFER	85
TOTAL NO OF STUDENTS PLACED	49
TOTAL OPTOUT	7
ELIGIBLE STUDENTS OPT OUT	3
% OF PLACEMENT (Considering Class Strength)	92.45

Academic Year 2014-15

2011 -2015 BATCH

Company	No. of Students Placed
CTS	32
INFOSYS	26
WIPRO	29
IBS	1
SC BANK	2
IBM	1
MUSIGMA	2
SUTHERLAND	4
TEMENOS	4
WISILICA	1

CLASS STRENGTH	63
ELIGIBLE STUDENTS (CGPA 6+ NO BACK LOG)	45
% OF ELIGIBLE STUDENTS	71.43
ELIGIBLE STUDENTS PLACED	38
% OF ELIGIBLE STUDENTS PLACED	84.44
NO OF STUDENTS NOT ELIGIBLE BUT PLACED	3
BRANCH TOTAL OFFER	102
TOTAL NO OF STUDENTS PLACED	48
HIGHER STUDIES	0
TOTAL OPTOUT	4
ELIGIBLE STUDENTS OPT OUT	0
% OF PLACEMENT (Considering Class Strength)	81.36

ELECTRICAL & ELECTRONICS ENGINEERING**ANNEXURE 3 – STUDENT ACHIEVEMENTS IN EXTRA-CURRICULAR ACTIVITIES**

Sl . No	Name	Event	Organization	Date	Position
Academic Year 2014-2015					
1	Arushi Unni	Eastern Group Song	RSET	14-08-2014	first
2	Alan Alexander	Movie Scene Dubbing	RSET	14-08-2014	second
3	Alen Alex	Tablaeu	RSET	14-08-2014	second
4	Elezabeth Paul	Nostalgia	RSET	14-08-2014	first
5	Amarnath S	Mimicry	RSET	14-08-2014	second
6	Madonna Raphael	Bharatanatyam	RSET	14-08-2014	second
7	Madonna Raphael	Fancy Dress	RSET	14-08-2014	first
8	Febin s Wilson	Brandwars	RSET	14-08-2014	Third
9	Elezabeth Paul	Thiruvathira	RSET	14-08-2014	second
10	Richu Jose	Beauty and Beast	FISAT	07-02-2015	second
11	Madonna Raphael	Beauty and Beast	FISAT	07-02-2015	second
Academic Year 2015-2016					
1	Elezabeth Paul	Thiruvathira	RSET	05-08-2015	Third
2	Seethu Mary S	Poetry writing Malayalam	RSET	05-08-2015	Third
3	Amarnath S	Movie Scene Dubbing	RSET	05-08-2015	first
4	Ann Sara	Nostalgia	RSET	05-08-2015	first
5	Richu Jose	Nostalgia	RSET	05-08-2015	Third
6	Mohammed Ihsan	Manglish	RSET	05-08-2015	second
7	Arushi Unni	Eastern Group Song	RSET	05-08-2015	second
8	Seethu Mary S	Eastern Group Song	RSET	05-08-2015	Third
9	Seethu Mary S	Thiruvathira	RSET	05-08-2015	first

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10	Jishitha Joseph	Nostalgia	RSET	05-08-2015	second
11	Elezabeth Paul	Nostalgia	RSET	05-08-2015	second
12	Alan Philip	Movie Scene Dubbing	RSET	05-08-2015	first
13	Alan Philip	Tablaeu	RSET	05-08-2015	Third
14	Pawell Tony	Kadhaprasangam	RSET	05-08-2015	Third
15	Pawell Tony	Recitation	RSET	05-08-2015	Third
16	Rad hika N	Thiruvathira	RSET	05-08-2015	second
17	Amarnath S	Mimicry	RSET	05-08-2015	Third
18	Madonna Raphael	Folk dance	RSET	05-08-2015	Third
19	Madonna Raphael	Bharatanatyam	RSET	05-08-2015	second
20	Madonna Raphael	Fancy Dress	RSET	05-08-2015	first
21	Seethu Mary S	Thiruvathira	RSET	05-08-2015	first
22	Seethu Mary S	Eastern Group Song	RSET	05-08-2015	Third
Academic Year 2016-2017					
1	Joseph Paul	Movie Scene Dubbing	RSET	19-08-2014	Second
2	Joseph Paul	drama	RSET	19-08-2014	Second
3	Anajli Biju	Folk dance	RSET	19-08-2015	Second
4	Anajli Biju	Light Music		19-08-2016	First
5	Anajli Biju	MonoAct	RSET	19-08-2016	Second
6	Joseph Varghese	Turn Around	RSET	19-08-2017	Third
7	Joseph Varghese	Brandwars	RSET	19-08-2018	Third
8	Rahul Joshi	Brandwars	RSET	19-08-2019	Second

ANNEXURE 4**4.1 COURSE FEEDBACK**

Sl No	How do you rate your ability to learn about the various transmission line constants?	Will you be able to do the electrical performance analysis of transmission lines ?	Can you explain the mechanical designing of overhead lines and underground cables?	How do you rate your ability to reproduce the classification of different types of substation, neutral grounding methods and corona concept?	How do you rate your ability to write about the HVDC transmission and FACTS controllers ?
1	Excellent	Excellent	Excellent	Excellent	Good
2	Very Good	Good	Very Good	Good	Excellent
3	Excellent	Excellent	Excellent	Excellent	Excellent
4	Excellent	Excellent	Excellent	Excellent	Excellent
5	Very Good	Good	Good	Good	Good
6	Excellent	Very Good	Very Good	Very Good	Good
7	Very Good	Good	Good	Very Good	Excellent
8	Poor	Good	Good	Good	Good
9	Very Good	Very Good	Very Good	Very Good	Very Good
10	Excellent	Excellent	Excellent	Excellent	Excellent
11	Very Good	Very Good	Very Good	Very Good	Very Good
12	Excellent	Excellent	Excellent	Excellent	Excellent
13	Very Good	Very Good	Very Good	Good	Good
14	Very Good	Very Good	Very Good	Excellent	Excellent
15	Very Good	Very Good	Very Good	Very Good	Good
16	Excellent	Excellent	Excellent	Excellent	Very Good
17	Very Good	Very Good	Good	Good	Good
18	Excellent	Excellent	Very Good	Very Good	Good
19	Very Good	Very Good	Very Good	Very Good	Very Good
20	Very Good	Very Good	Very Good	Very Good	Very Good
21	Very Good	Excellent	Good	Very Good	Very Good
22	Very Good	Very Good	Very Good	Very Good	Very Good
23	Excellent	Excellent	Excellent	Excellent	Excellent
24	Good	Very Good	Good	Satisfactory	Satisfactory
25	Good	Very Good	Very Good	Very Good	Very Good
26	Excellent	Excellent	Excellent	Excellent	Excellent

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27	Good	Good	Good	Good	Good
28	Good	Very Good	Very Good	Good	Good
29	Excellent	Excellent	Very Good	Good	Good
30	Good	Good	Good	Good	Good
31	Very Good	Very Good	Very Good	Very Good	Very Good
32	Poor	Poor	Poor	Poor	Good
33	Excellent	Very Good	Very Good	Very Good	Very Good
34	Good	Good	Good	Good	Good
35	Very Good	Very Good	Very Good	Very Good	Very Good
36	Very Good	Good	Good	Good	Good
37	Excellent	Very Good	Very Good	Very Good	Good
38	Good	Satisfactory	Good	Satisfactory	Poor
39	Good	Good	Good	Good	Good
40	Good	Good	Good	Good	Good
41	Satisfactory	Good	Satisfactory	Satisfactory	Satisfactory
42	Excellent	Excellent	Excellent	Excellent	Excellent
43	Very Good	Very Good	Good	Good	Satisfactory
44	Excellent	Excellent	Excellent	Excellent	Excellent
45	Very Good	Very Good	Excellent	Excellent	Very Good
46	Very Good	Very Good	Very Good	Very Good	Very Good
47	Good	Good	Good	Good	Good
48	Excellent	Excellent	Excellent	Excellent	Excellent
49	Excellent	Very Good	Very Good	Very Good	Good

ELECTRICAL & ELECTRONICS ENGINEERING

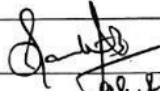
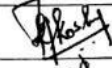



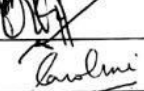
4.2 CLASS COMMITTEE MEETING

RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY

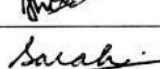
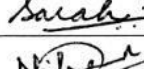

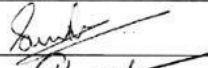
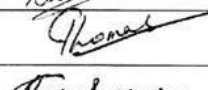
DEPARTMENT OF ELECTRICAL & ELECTRONICS

CLASS COMMITTEE MEETING (S5 EEE)

Teachers participated

Ms. Santhi B	
Ms. Rinu Alice Koshy	
Mr. Jebin Francis	
Mr. Mejo Paul	
Mr. Ginnes K John	
Ms. Caroline Ann Sam	

Students Participated:

Mr. Prince Thomas	
Ms. Sarah	
Mr. Nihal Ashraf	
Ms. Sumisha	
Mr. Thomas	
Ms. Greeshma Rajeev	

Date: 10 October 2016

Room: HoD Room

Time :12:50 pm

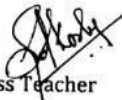
RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL & ELECTRONICS

CLASS COMMITTEE MEETING (S5 EEE)

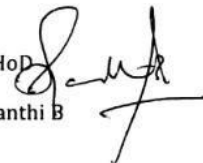
Minutes

The class committee discussed on various subjects in S5 EEE. The committee found the satisfactory completion of the modules in all the subjects with adequate tutorials given. Assignments are given and submitted on time. The subjects like Microprocessor & Application, Power Electronics are identified a little tough. Hence remedial is decided to be given for the subjects.



Class Teacher

Ms. Rinu Alice Koshy



HoD

Ms. Santhi B

4.3 COURSE COMMITTEE MEETING

Course Committee Meeting MINUTES OF THE MEETING

Date of the meeting: - 05th Aug 2016

Time: 12:45 pm – 1:05 pm

Venue: KE322

A Course Committee meeting for EE100 Basics of Electrical Engineering and EE110 Electrical Workshop was held on 05th July 2016 from 12:45 pm – 1:05 pm in class room KE322

Faculty Members present: Dr Unnikrishnan P.C.

Ms. Rinu Alice Koshy

Ms. Ragam Rajagopal

Ms. Renu George

Ms. Sreepriya R

Student Members present: Ms. Rosemary Reggie

Mr. Kevin Aniyachan Abraham

Ms. Teresa Benny

Mr. Joseph Mathew

Mr. Anand Antony

Ms. Sraya

Res. Pong. } - (SICE)

} (S1 AEI)

(S1 MEX)

(S1 MEP)

Apologies:

Nil

1. The student members were informed about the need for such a committee.
2. Coverage of syllabus discussed with staff members.
3. Students were asked to get a general feedback from the class and report it to the concerned teacher teaching the subject.
4. As per KTU regulations, printed manuals will not be issued to students. They should use a two hundred page unruled notebook for recording observations.
5. Next meeting will be convened after the mid-term evaluations.

Prepared by: Dr. Unnikrishnan P.C.

ANNEXURE 5- REMEDIAL CLASSES

Academic Year (14-15)					
Name of Subject	Batch/Year	Scheduled	Time	Faculty in charge	No: of Students Attended.
Control System	2013-2017	April- 11 th 2015	11.30 a.m to 4.30 p.m	Ms. Renu George	30
Basic Electrical Engg.	2014-2018	May 15 th 2015	1:30 p.m to 4:30 p.m	Ms.Prathibha.P.K	05
Electro Magnetic Theory	2013-2017	March 20 th 2015	4.30 p.m to 6.30 p.m	Ms. Anna Mathew	05
Electro Magnetic Theory	2013-2017	March 23 rd 2015	4.30 p.m to 6.30 p.m	Ms. Anna Mathew	05
Electro Magnetic Theory	2013-2017	March 25 th 2015	4.30 p.m to 6.30 p.m	Ms. Anna Mathew	03
Electro Magnetic Theory	2013-2017	March 27 th 2015	4.30 p.m to 6.30 p.m	Ms. Anna Mathew	01
Electro Magnetic Theory	2013-2017	April 1 st 2015	4.30 p.m to 6.30 p.m	Ms. Anna Mathew	05

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Academic Year (15-16)					
Name of Subject	Batch/ Year	Schedule	Time	Faculty in charge	No: of Students Attended.
Basic Electrical Engg.	2015-2019	Oct- 9 th 2015	9:00 a.m to 12:30 p.m	Ms.Caroline Ann Sam	10
Basic Electrical Engg.	2015-2019	Dec- 16 th 2015	9:00 a.m to 12:30 p.m	Ms.Anna Mathew Ms. Salitha.K	07
Electro Magnetic Theory	2014-2018	March 21 st 2016	4.30 p.m to 5.30 p.m	Ms. Anna Mathew	16
Electro Magnetic Theory	2014-2018	April 6 th 2016	4.30 p.m to 5.30 p.m	Ms. Anna Mathew	15
Basic Electrical Engg.	2015-2019	May 16 th 2016	1:30 p.m to 4:30 p.m	Ms.Prathibha.P.K	04
DC Machines &Transformers	2014-2018	May 20 th 2016	4.30 p.m to 5.30 p.m	Ms. Jayasri R.Nair	04
DC Machines &Transformers	2014-2018	May 23 rd 2016	4.30 p.m to 5.30 p.m	Ms. Jayasri R.Nair	01

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Academic Year (15-16)					
Summer Camp					
Name of Subject	Batch/ Year	Schedule	Time	Faculty in charge	No: of Students Attended.
Introduction to Electrical Engineering	2015-2019	June- 9 th 2016	09.30 a.m to 11.30 a.m	Ms. Jayasri R. Nair	02
Basics of Electrical Engg.	2015-2019		1:30 p.m to 4:30 p.m	Ms.Prathibha.P.K	04
Basics of Electrical Engg.	2015-2019		1:30 p.m to 4:30 p.m	Ms.Salitha.K	04
Basics of Electrical Engg.	2015-2019		1:30 p.m to 4:30 p.m	Ms. Caroline Ann Sam	04
Basics of Electrical Engg.	2015-2019		1:30 p.m to 4:30 p.m	Ms.Salitha.K	04
Basics of Electrical Engg.	2015-2019		1:30 p.m to 4:30 p.m	Ms.Prathibha.P.K	04

ANNEXURE 6-FACULTY COMPETENCY

Sl. No:	Faculty	Competency
1.	Dr. P.C. Unnikrishnan	Non Linear System, Neural Network, Reinforced Learning
2.	Prof. J.T. Kuncheria	Power Systems, Electric Drives
3.	Ms. Santhi B.	Power Systems
4.	Ms. Anna Mathew	Power Electronics and Drives
5.	Ms. Caroline Ann Sam	Electric Drives and Control
6.	Dr. Elizabeth Rita Samuel	Parameterised Modeling, Model Order Reduction, Adaptive Sampling, Control Systems
7.	Mr. Ginnes K. John	Power Electronics, Renewable Energy
8.	Ms. Jayasri R. Nair	Electrical Machines, Embedded Systems
9.	Mr. Jebin Francis	Embedded Systems
10.	Fr. Mejo Paul	Electrical Machines
11.	Ms. Prathibha P.K.	Power Systems, Renewable Energy
12.	Ms. Ragam Rajagopal	Control Systems, Renewable Energy Systems
13.	Ms. Renu George	Control Systems
14.	Ms. Rinu Alice Koshy	Control Systems, Electrical Machines
15.	Ms. Sreepriya R.	Circuit Theory, Dynamics of Machines
16.	Mr. Thomas K.P.	Control Systems
17.	Mr. Unnikrishnan L.	Power Electronics and Drives

ANNEXURE 7**7.1 INDUSTRIAL VISIT**

Academic Year- 2015-16			
Batch	Month & Year of visit	Organisation	Visit Summary
2013-17	16-04-2016	Poringalkuthu Power House	2016 S6 EEE students-62 students- Faculty Accompanied: Renu George Ginnes K. John Thomas K.P. Santhi B. Unnikrishnan L.
		CIAL Solar Power Plant	
2014-2018	16-04-2016	TELK,Angamaly	2016 S4 EEE students- 47 students- Faculty Accompanied: Jayasri R. Nair Sreepriya R.
2015-2019	30-01-2016	Mithradam, Aluva	2016 S2 EEE students-58 students
Academic Year - (2014-15)			
BATCH	Month & Year of Visit	Organization	Visit Summary
2012-16	February , 2015	Idukki Hydroelectric Power plant	2015 (s6 EEE) students - 59 Students Faculty Accompanied: Mr.Ginness K John , Ms. Prathibha
2013-17	February, 2015	Idamalayar Hydroelectric Power Station	2015 (S4 EEE) students – 62 Students Faculty Accompanied: Renu George, Mr. Jebin Francis
Academic Year - (2013-14)			
BATCH	Month & Year of Visit	Organization	Visit Summary
2011-15	19-01-2013	KSEB , Nallalam Power Plant , Kozhikode	48 Students & 3 Faculty

7.2 INDUSTRIAL TRAINING

Academic Year 2014 -2015			
Sl. NO	INDUSTRY	NAME	DATE
1	220 KV SUBSTATION , KALAMASSERY	ABISHEK C DASAN	05 -01-2015 to 09-01-2015
		AKASH RAJAN	
		ANAND AN	
		GEORGE YELDHO	29-12-2014 to 02-01-2015
		JOHN EALIAS	
		MOHAMMED IHSAN CA	
		PAWELL TONY	
2	IDAMALAYAR POWER HOUSE,GENERATION DIVISION,KSEB LTD	VISHNU RAJ RAJAGOPALAN	05 -01-2015 to 09-01-2015
		ABISHEK C DASAN	29-12-2014 to 02-01-2015
		GEORGE YELDHO	05 -01-2015 to 09-01-2015
		HARITHA BABU	18-12-2014 to 23-12-2014
		JOHN EALIAS	05 -01-2015 to 09-01-2015
		MOHAMMED IHSAN CA	
		MRIDULA JOSE	18-12-2014 to 23-12-2014
		PAWELL TONY	05 -01-2015 to 09-01-2015
		REEMA MOIDEEN	18-12-2014 to 23-12-2014
3	AL -SANEAL ELECTRICAL CONTRACTING CO. W.L.L	VISHNU RAJ RAJAGOPALAN	29-12-2014 to 02-01-2015
		AJAY GEORGE ABRAHAM	20-12-2014 to 30-12-2014
4	M/S GENERAL SWITCHGEAR AND ELECTRICAL METERIALS FACTORY	CHARLES VARGHEESE	
5	FACT	AJIN GEORGE VARGHEESE	
6	V- GUARD INDUSTRIES LIMITED	AKASH RAJAN	18-6-2015 to 23-6-2015
		ALAN PHILIP ALEXANDER	20-12-2014 to 30-12-2014

ELECTRICAL & ELECTRONICS ENGINEERING

		JISHITA JOSEPH	
		NEETHU ANN PHILIP	
7	HMT MACHINE TOOLS LIMITED , KALAMASERRY	SAETU GIGI PHILIP	
		AMARNATH S	
8	ITRONIX INFOSOLUTIONS , INDIAN TELECOM INNOVATION HUB , KINFRA HI TECH PARK , KALAMESSERY	JERRY JACOB	3-12-2014 to 18-12-2014
		ANAND AN	16-12-2015 to 21-12-2015
		ANEETHA SUSAN JOHNSON	18-12-2014 to 23-12-2014
		ANTONY KJ	
		BASIL CHERIAN	
9	SOUTHERN RAILWAY / ELECTRIC LOCO SHED	EMMANUEL CYRIAC	9-9-2014 to 13-9-2014
		JANCE JOSEPH	
		JERIN SUNNY	
		MERLIN MATHEWS	
		NIVEDITA AUGUSTINE MATHEW	18-12-2014 to 23-12-2014
		SABAREESH OV	9-9-2014 to 13-9-2014
10	220 KV SUBSTATION , BRAHMAPURAM	SEETHU MARY SEBASTIAN	18-12-2014 to 23-12-2014
		ANEETHA SUSAN JOHNSON	
		MERLIN MATHEWS	26-12-2014 to 31-12-2014
11	AREA : TELECOM TECHNOLOGY , BSNL , KOZHIKKODE	NIVEDITA AUGUSTINE MATHEW	
12	APPOLO	ANJANA A	18-12-2014 to 31-12-2014
		ANN SARA AJITH	18-12-2014 to 27-12-2014
		MARGARET FRANCIS	
13	KELTRON CONTROLS DIVISION , AROOR	GEO PJ	16-12-2014 to 31-12-2014
		ANTONY KJ	
		BASIL CHERIAN	
		ELEZABETH PAUL	29-12-2014 to 5-1-2015
		EMMANUEL CYRIAC	
		JANCE JOSEPH	

ELECTRICAL & ELECTRONICS ENGINEERING

		JERIN JAMES	22-6-2015 to 29-6-2015
		JERIN SUNNY	29-12-2014 to 5-1-2015
		JOEMON RANJAN	7-1-2015 to 14-1-2015
		JOHN SCARIA	
		LAKSHMY RAJENDRAN	9-6-2015 to 16-6-2015
		NITHIN SAJU	7-1-2015 to 14-1-2015
		SABAREESH OV	29-12-2014 to 5-1-2015
		SACHIN PERUMAL VARGHEESE	22-6-2015 to 29-6-2015
		SARAN G	
14	FCI OEN CONNECTORS LTD. MULANTHURUTHY	SEETHU MARY SEBASTIAN	9-6-2015 to 16-6-2015
15	KSEB LTD. - 110KV SUBSTATION , KALOOR	ARUSHI UNNI	10-12-2014 to 20-12-2014
		CELINE JOE VITHAYATHIL	18-12-2014 to 22-12-2014
		MINU CHINNA MANI	
16	KELTRON KNOWLEDGE CENTRE , CALICUT	RADHIKA N	18-12-2014 to 23-12-2014
		CELINE JOE VITHAYATHIL	8-6-2015 to 24-6-2015
17	110 KV SUBSTATION ,AROOR , KSEB LTD.	MINU CHINNA MANI	8-6-2015 to 24-6-2015
		ELEZABETH PAUL	18-12-2014 to 23-12-2014
		LAKSHMY RAJENDRAN	18-12-2014 to 23-12-2014
18	NTPC , SINGRAULI	MADONA RAPHEL V	18-12-2014 to 23-12-2014
		FEBIN S WILSON	15-6-2015 to 25-6-2015
19	NTPC LTD., KAYAMKULAM	FEBIN S WILSON	29-12-2014 to 2-1-2015
		HIBA ASHARAF	2-6-2014 to 7-6-2014
		JERIN JAMES	29-12-2014 to 2-1-2015
		JOEMON RANJAN	
		NITHIN SAJU	
		SACHIN PERUMAL VARGHEESE	
		JOHNS SCARIA	
20	DISTRIBUTION TRANSFORMERS AND ENEGY METER TESTING , TMR	SARAN G	29-12-2014 to 2-1-2015
		HARITHA BABU	26-12-2014 to 31-12-2014
		MRIDULA JOSE	

ELECTRICAL & ELECTRONICS ENGINEERING

	DIVISION , AMGAMALY , ,KSEB		
21	ELECTRICAL POWER SYNCRHONIZATION - PLANET ENGINEERING DIVISION , DOHA , QATAR	REEMA MOIDEEN	26-12-2014 to 31-12- 2014
22	110 KV SUBSTATION KAYAMKULAM , KSEB LTD.	HEBA ABDUL MAJEED	17-12-2015 to 3-1-2016
23	KSEB LTD.- 110KV SUBSTATION , ARIMBOOR , THRISSUR	HIBA ASHARAF	18-12-2014 to 23-12- 2014
24	NTPC LTD. BADARPUR.	MADONA RAPHEL V	16-6-2015 to 26-6-2015
25	KSEB LTD. - 110KV SUBSTATION ,GURUVAYOOR ROAD ,THRISSUR	NIMMY THOMAS	24-6-2014 to 5-7-2014
26	KSEB LTD. - 110KV SUBSTATION , KANDASSANKADAVU , THRISSUR	PARVATHY BALANCHANDRAN	16-6-2015 to 19-6-2015
		PARVATHY BALANCHANDRAN	18-12-2014 to 23-12- 2014
27	KELTRON KNOWLEDGE CITY	RICHU JOSE	18-12-2014 to 23-12- 2014
28	KSEB - 110KV SUBSTATION , KANNIMANGALAM , THRISUR	RADHIKA N	8-6-2015 to 21-6-2015
29	KOCHI REFINERIES LIMITED	RICHU JOSE	16-6-2015 to 19-6-2015
30	J M ENGINEERING & INSTRUMENTS , MITTAL INDUSTRIAL ESTATE , MUMBAI	SHEJO JACOB CJ	15-12-2014 to 29-12- 2014
31	NORTH CHENNAI THERMAL POWER STATION , TAMILNADU GENERATION & DISTRIBUTION COORPORTAION LTD.	SIBIN MATHEW	18-12-2015to 31-12- 2015
		GEO JOVIN VINISTER	
		SREERAM SM	29-12-2014 to 3-1-2015

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32	FACT	ANNETTE VARGHESE	23-06-2015 to 29-06-2015
		ARBITE JOHN	
		ASWIN P. KRISHNAN	
		ATHIRA MOHANAN	
		C.NIKHILA	
		H RAVI SANKAR MENON	
		KADAVILL SABU HAZEM	
		KEVIN JOSHY	
		LOUIS PAULOSE	
		RESHMA S	
		RITHWIK UDAYAKUMAR	
		SIDHARTH M	
		THANVI ALI	
		TOM CHACKO JAMES	
		VISHNU PRADEEP	06-01-15 to 17-01-2015 & 23-06-2015 to 29-06-2015
33	FCI - OEN CONNECTORS	KIRAN MARIA ABRAHAM	29-12-2014 to 09-01-2015
34	KELTRON COMPONENT COMPLEX LTD., KALLIASSERI	AKSHAY M NAIR	22-06-2015 to 01-07-2015
35	KERALA ELECTRICAL & ALLIED ENGINEERING CO.LTD, MAMALA UNIT	GEOFFRY THARAKAN PARAYIL	22-06-2015 to 01-07-2015
		JOHN E KURIAN	
		VYSAKH M	
		JOICE THOMAS	23-06-2015 to 29-06-2015
		JUSTIN JOSE	
		ANEETA JOHNSON	
		KIRAN MARIA ABRAHAM	
		KRISHNA KUNJUMON	
		RESHMA SUSAN R PULINAT	
36	KELTRON CONTROLS, AROOR	ADARSH A P	03-07-2015 to 07-07-2015
		ARUN S	
		MADHAV T N	

ELECTRICAL & ELECTRONICS ENGINEERING

		MANAS S	
37	KELTRON EQUIPMENT COMPLEX, KARAKULAM	ATHIRA ANIL	18-06-2015 to 24-06-2015
		JENIT GERALD	
		RIYA RAMU	
38	KSEB - 110KV SUBSTATION, VADAKKANCHERRY	A N ADARSH	22-06-2015 to 26-06-2015
		JIBIN GEORGE	
39	KSEB - 110KV SUBSTATION, KAVANADU	ASHISH GEO DANIEL	
40	KSEB - KUTTIADI HYDRO ELECTRIC PROJECT	NAEEM AKTHAR P	
41	M.P.P.K.V.V.CO.LTD	ABHINAV JOHNSON	15-06-2015 to 25-06-2015
42	RESITECH ELECTRICALS	ALWIN JOSE	30-06-2015 to 10-07-2015
		MANUEL TONY	
		ARJUN SONNY	
		ARUN C. BERNARD	
		DAVID CHRISTY ANTO	
		SIDHARTH R S	
		SURYADEV S	
43	YASTRONICS	RONY JOSEPH	21-06-2015 to 06-07-2015
		TONY JOSEPH	

Academic Year 2015 -2016			
Sl. No	Industry	Name	Date
1	DATA VISION , CABLING AND NETWORKING , KOZHIKODE	ANTO FRANCIS	16-12-2015 to 31-12-2015
		GEO P.J.	
		SREERAM S.M	
2	COCHIN SHIPYARD LIMITED	GEO JOVIN VINISTER	2-2-2016 to 6-2-2016
		SHINEJITH U.S	
3	ADVANCED TECHNICAL SERVICES WLL	MITHUN JOY	6-07-2015 to 12-07-2015
4	FACT	RAYIS MOOPPAN	21-06-2016 to 02-07-2016
5		AMALA SHIBU	04-01-2016 to 18-01-2016
		ANJALI REJI ISAC	

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	KERALA ELECTRICAL & ALLIED ENGINEERING CO.LTD, MAMALA UNIT	OSHIN PETER	22-06-2016 to 28-06-2016
		PRIYA PAUL	
		ASWIN P. KRISHNAN	
		BOB MATHEW SYJI	
		H RAVI SANKAR MENON	
		JIBIN GEORGE	
		KADAVILL SABU HAZEM	
		A N ADARSH	
		ASHISH GEO DANIEL	
		KEVIN JOSHY	
6	KSEB - IDAMALAYAR POWER HOUSE	ANEETA JOHNSON	11-01-2016 to 15-01-2016
		KIRAN MARIA ABRAHAM	
		KRISHNA KUNJUMON	
		RESHMA SUSAN R PULINAT	
7	NASS ELECTRICAL CONTRACTING COMPANY WLL	EVELIN KURIAN	05-01-2016 to 18-01-2016
8	RESITECH ELECTRICALS	ANN CHERIACHEN THOPPIL	04-08-2015 to 09-08-2015 & 23-08-2015 to 31-08-2015
		EVELIN KURIAN	23-08-2015 to 31-08-2015
		KEERTHANA RAMESH	04-08-2015 to 09-08-2015 & 23-08-2015 to 31-08-2015
9	SEED ENGINEERING CONSULTANTS	ANN CHERIACHEN THOPPIL	10-01-2016 to 17-01-2016
10	110 KV SUBSTATION,ALUVA	ANUPRIYA K	22-6-2016 to 26-6-2016
		ANU JOHNSON	22-6-2016 to 26-6-2016
		GOPIKA VINOD	22-6-2016 to 26-6-2016
		GAYATHRI S MENON	22-6-2016 to 26-6-2016
		FABI AZEEZ	22-6-2016 to 26-6-2016

ELECTRICAL & ELECTRONICS ENGINEERING

11	COCHIN SHIPYARD	ANUPAMA ANILKUMAR	20-6-2016 to 30-6-2016
12	VERGER ET DELPORTE,UAE	GREESHMA RANJEEV	15-6-2016 to 26-6-2016
13	KELTRON,TRIVANDRUM,K ARAKULAM	AMRITHA M	20-6-2016 to 26-6-2016
		ALINA JOSE	20-6-2016 to 26-6-2016
14	TELK	RONIYA K J	25-6-2016 to 27-6-2016
		MALAVIKA GEIGY	25-6-2016 to 27-6-2016
		LIYA GEORGE	25-6-2016 to 27-6-2016
		SARAH MARY THOMAS	25-6-2016 to 27-6-2016
		AMRITA DEV	25-6-2016 to 27-6-2016
15	KELTRON,TRIVANDRUM,K ARAKULAM	JACOB CYRIAC NIRAPPEL	21-6-2016 to 30-6-2016
		NAVIN JOHN	21-6-2016 to 30-6-2016
		JAIS JOSEPH	21-6-2016 to 30-6-2016
		DENNIS JOSE	21-6-2016 to 30-6-2016
		MELVIN P BABY	21-6-2016 to 30-6-2016
16	HAVELLS	ANN MARY JOHNY	13-6-2016 to 20-6-2016
17	KEL,MAMALA	ANN MARY JOHNY	13-6-2016 to 20-6-2016
		ANJALI BIJU	22-6-2016 to 2-7-2016
		ATHIRA MANOSH KUMAR	22-6-2016 to 2-7-2016
		AROMA ROSE REJI	22-6-2016 to 2-7-2016
18	KOMALAPURAM SPINNING MILLS, ALAPPUZHA	LAKSHMI R MENON	23rd Jun - 04th Jul 2016
19	COMPRESSOR CONTROLS CORPORATION, UAE	PRITTI PAUL JOSEPH KUNNAMPILLY	Jun26-Jul 26th 2016
20	TELK, ANGAMALY	SABARINATH R	27-29th june 2016

ELECTRICAL & ELECTRONICS ENGINEERING

21	KELTRON,TRIVANDRUM,K ARAKULAM	JACOB CYRIAC NIRAPPEL	15-6-2016 TO 25- 6-2016
		NAVIN JOHN	15-6-2016 TO 25- 6-2016
		JAIS JOSEPH	15-6-2016 TO 25- 6-2016
		SUHAIB P	14-06-2016 TO 27- 06-2016
		DENNIS JOSE	15-6-2016 TO 25- 6-2016
		MELVIN P BABY	15-6-2016 TO 25- 6-2016
		AMRITHA M	20-6-2016 TO 26- 6-2016
		ALINA JOSE	20-6-2016 TO 26- 6-2016
22	110 KV SUBSTATION,ALUVA	ANUPRIYA K	22-6-2016 TO 26- 6-2016
		ANU JOHNSON	22-6-2016 TO 26- 6-2016
		GOPIKA VINOD	22-6-2016 TO 26- 6-2016
		GAYATHRI S MENON	22-6-2016 TO 26- 6-2016
		FABI AZEEZ	22-6-2016 TO 26- 6-2016
23	COCHIN SHIPYARD	ANUPAMA ANILKUMAR	20-6-2016 TO 30- 6-2016
24	VERGER ET DELPORTE,UAE	GREESHMA RANJEEV	15-6-2016 TO 26- 6-2016

ACADEMIC YEAR-16-17			
Sl. No	INDUSTRY	NAME	DATE
1	KEL,MAMALA	ANN MARY JOHNY	27-6-2016 TO 04- 7-2016
		ANJALI BIJU	22-6-2016 TO 2-7- 2016
		ATHIRA MANOSH KUMAR	22-6-2016 TO 2-7- 2016
		AROMA ROSE REJI	22-6-2016 TO 2-7- 2016
		AKSSA MOL SABU	1-7-2016 TO 8-7- 2016

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2	66 KV SUBSTATION, KOTHAMANG ALAM	ANIKA TOMICHEN	1-7-2016 TO 8-7-2016
		THOMAS JACOB	1-7-2016 TO 8-7-2016
		ANJU MARIA ALEX	1-7-2016 TO 8-7-2016
		AMALA GEORGE	1-7-2016 TO 8-7-2016
		CAROLIN MATHEWS	1-7-2016 TO 8-7-2016
3	KELTRON	ANTONY THOMAS	18-7-2016 TO 28-7-2016
		BASITH ALI V.K	20-7-2016 TO 30-7-2016
		SACHIN ANTONY	18-7-2016 TO 28-7-2016
		JOHN JOSEPH	20-7-2016 TO 30-7-2016
		NAVEEN JAMES	20-7-2016 TO 30-7-2016
		RAHUL V P	20-7-2016 TO 30-7-2016
		RICHIE REJI VARGHESE	18-7-2016 TO 28-7-2016
		ANTONY MANAS MICHAEL	20-7-2016 TO 30-7-2016
		SACHIN V A	20-7-2016 TO 30-7-2016
4	KSEB	TOM VARGHESE	1-7-2016 TO 8-7-2016
		NAVANEETH KRISHNAN	1-7-2016 TO 8-7-2016
		NIHAL ASHRAF	1-7-2016 TO 8-7-2016
		PRINCE THOMAS	1-7-2016 TO 8-7-2016
		AUGUSTINE MAJOI	1-7-2016 TO 8-7-2016
5	BPCL - KOCHI REFINERY	ARCHITA S SHENOY	11-7-2016 TO 20-11-2016
6	KELTRON CONTROLS, AROOR	ARBITE JOHN	1-7-2016 TO 8-7-2016
		ATHIRA MOHANAN	1-7-2016 TO 8-7-2016
		ATHIRA ANIL	1-7-2016 TO 8-7-2016
		ARCHITA S SHENOY	1-7-2016 TO 8-7-2016

ELECTRICAL & ELECTRONICS ENGINEERING

		ANNETTE VARGHESE	1-7-2016 TO 8-7-2016
		THANVI ALI	1-7-2016 TO 8-7-2016
		RESHMA S	1-7-2016 TO 8-7-2016
		C NIKHILA	1-7-2016 TO 8-7-2016
7	TELK, ANGAMALY	AKHILA T BASTIAN	14-16th July 2016
		ANFIN ANTONY	
		ARUN SABU	
		BEN WATSON JOSEPH	
		DEV KRISHNA V	
		DINIYA FRANCIS	
		EDWIN LAWRENCE P	
		JEES JOHN	
		ROSEMARY KURIAN	
		SURYA S	
		VISMAYA S	
		ASIF M SALIL	18th- 20th July 2016
		SIVAPRASAD MANI	
		ANN GEORGE	7th - 9th July 2016
		ASWANI SIVAN	
8	ALL INDIA RADIO	ADHITHIYAN J PRAKASH	4- 8th July 2016
		AISWARYA KRISHNA R	
9	BSNL	GAYATHRI SREEKUMAR KAIMAL	15 DAYS IN JULY 2016
10	BEL, GHAZIABAD	JUSTIN JOY	12-23 rd Jul 2016
11	RELIANCE REFINERY, GUJARAT	VANDANA NAIR	7-18th Jul 2016
12	KSEB - KANJIKODE WIND FARM	ARUN C. BERNARD	04-07-2016 to 11-07-2016
		SURYADEV S	
		TOM CHACKO JAMES	
		VISHNU PRADEEP	
13	HOCL	ANEETA JOHNSON	05-07-2016 to 12-07-2016
		KRISHNA KUNJUMON	
		RESHMA SUSAN R PULINAT	

**ANNEXURE 8- SEMINAR/WORKSHOP/TRAINING PROGRAM
ORGANISED**

Academic Year 2014-2015					
Sl. No	Name of the program	Date	Name of Resource Person	Targeted Audience	No of Attendees
1.	Emerging trends in industrial drives and its Applications	13/08/2014	Mr Ajith Nair. PACE Systems Coimbatore	PG Students (First and Second Year IDAC)	17
2.	One day workshop on 'An introduction to Matlab simulations in Power Electronic triggering circuits'	14/08/2014	Mr. Ginnes K John, Asst Prof . Dept of EEE	First year PG students(IDAC)	11
3.	International Workshop on Solar Energy Applications	29/10/2014	Mr Martin Merkle, Study Director Friedrich Schiller Gymnasium, Germany Dr K P Vijayakumar, Rtd Prof, Dept. of Physics CUSAT, Dr.Ludwig Von Sterl, Chancellor Amberg-Weiden University, Germany	Faculty/ PG students of DME & DEE	50

Academic Year 2016-2017					
Sl. No.	Name of the programme	Date	Name of the Resource Person	Targeted Audience	No of Attendees
1.	Role of Robotics in Engg. Education on initiation of IEEE-IAS chapter	01/09/16	Mr.Sunil Paul,Director,Techjeeva Technologies Pvt. Ltd.	PG/UG EEE students and faculty	100
2.	Workshop on Electronic circuit design and PCB fabrication	31/09/16-01/10/16	Mr.Antu Dominic,TrueTek World,Angamaly	S5 EEE students	50
3.	Energy Efficient Dream Home	01/10/16	Mr. Unnikrishnan L. in association with IEEE-PES society	Students from RSET and other colleges	60
4.	International Workshop on Green and Renewable Energy Applications	02/11/16	Prof. Frank Spate Amberg-Weiden University, Germany	PG/UG EEE students ,S3 ME students and faculty of EEE and ME	150
5.	FDP on dsPIC with Power Electronics using MATLAB	25/11/16-26/11/16	Mr.Gokul Kumar, Pantech ProEd Pvt Ltd,Chennai	EEE faculty,EEE PG students and faculty from other colleges	60

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Academic Year 2015-2016					
Sl. No.	Name of the programme	Date	Name of the Resource Person	Targeted Audience	No of Attendees
1.	International Workshop on Solar-photovoltaic Power Systems for residential, Commercial& off Grid applications	22/07/2015-23/07/2015	Dr. Chem Nayar,MD, Regen Group Pty Ltd, Australia Dr,Shaji Mathews, Technical Director Regen Power & AICA India Mr.Srini Lakshmanan	RSET EEE PG/UG faculty and students, Faculty & PG students from other colleges and Industrialists	125
2.	Auto CAD training program	27/07/2015-28//07/15	Mr Rohith & Mr Joseph H Pindis Learning Centre	Final year students of EEE	60
3.	Hands on training on Power Electronic converters-	21/01/16-27/01/16	Anna Mathew Ms.Carolina Ann Sam Mr.Ginnes K John Ms .Sreepriya.R	S6 EEE S2 IDAC	45
4.	Workshop on Microprocessor and Microcontroller	28/01/16-30/01/16	Mr.Jebin Francis Fr. Mejo Paul Ms. Ragam Rajagopal	S6 EEE	35
5.	Arcing Hazards	04/04/16	Ms. Husna Mumtaz, Assistant Executive Engineer,Kaloor Substation	PG/UG EEE students and faculty	150
6.	Workshop on Robotics	07/04/16-09/04/16	Mr.Manoj & Team, Global Design Engineering	S2EEE	49
7.	One day on workshop on “IOT & Creativity”	27/04/16	Mr.Unnikrishnan.L	S2 EEE	60

ANNEXURE 9- INVITED TALKS BY EXPERTS

Academic Year- 2016-17			
Sl No.	Date	Name of Academician/Expert	Title of Talk
1.	01/09/16	Mr.Sunil Paul,Director,Techjeeva Technologies Pvt. Ltd.	Role of Robotics in Engg. Education organised as a part of initiation of IEEE-IAS chapter
2.	02/11/16	Mr. Ajith Gopi Program Officer,Solar PV Projects, ANERT	Challenges in Renewable energy project implementation
3.	02/11/16	Prof. Frank Spate Amberg-Weiden University, Germany	International Workshop on Green and Renewable Energy Applications
Academic Year- 2015-16			
1.	04/04/16	Ms. Husna Mumtaz, Assistant Executive Engineer, Kaloor Substation	Arcing Hazards
2.	03/05/2016	Er. C Jayaraman, General Secretary, Society of Energy Engineers and Managers, Kochi	Energy Environment and Development
3.	22/07/2015-23/07/15	Dr. Chem Nayar,MD, Regen Group Pty Ltd, Australia, Dr,Shaji Mathews, Technical Director Regen Power & AICA India, Mr.Srini Lakshmanan	International Workshop on Solar Photovoltaic Power Systems for Residential, Commercial and Off-Grid Applications
Academic Year- 2014-15			
1.	13/08/2014	Mr. Ajith Nair Managing Director PACE Systems Coimbatore	Fundamentals of Variable Frequency drives
2.	29/10/2014	Mr. George Varkey MD GRA Systems (Pvt) Ltd	Solar Cell/Panel Technology, Power

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		Cochin	Conditioning & DC/AC Power Conversion
3.	29/10/2014	Dr.Ludwig Von Sterl, Chancellor Amberg-Weiden University, Germany	University Curriculum in Renewable Energy
4.	29/10/2014	Mr Martin Merkle, Study Director Friedrich Schiller Gymnasium, Germany	Renewable Energy Education in Schools through Practical Projects
5.	29/10/2014	Dr K P Vijayakumar, Rtd Prof, Dept. of Physics CUSAT	Thin Film Solar Cells using Earth Abundant and Eco-friendly Materials
6.	15/12/2014	Dr. Chem V Nayar Adjunt Prof Curtian University Australia – MD Regen Power Australia	Hybrid Microgrid

ANNEXURE 10- FDP/WORKSHOPS/SEMINARS ATTENDED BY FACULTY

Academic Year 2016-2017					
Sl.No	Faculty Name	FDP/Workshop/STTP	Dates		Organized by
			From	to	
1	Ms. Rinu Alice Koshy	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/2016	22	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Fundamentals of LabVIEW& Data Acquisition Systems,	21/07/2016	21/07/2016	Department of Applied Electronics, RSET
		Internship program in Android Robotics and HVAC	July 2016	July 2016	Department of Electrical & Electronics, RSET
		Role of Accreditation & Audit in higher Education Institutions by	01/07/2016	01/07/2016	IQAC, Rajagiri
		National Faculty Development Programme	05/12/2016	17/12/2016	Entrepreneurship Development Institute of INDIA,at RSET
2	Mr. Jebin Francis	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/2016	22	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical

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					& Electronics, RSET
		Engineering Education & Research Seminar conducted	30/09/2016	30/09/2016	by National Instruments India
		Application of Power Electronics in Modern Power Systems	03/01/17	07/01/17	VJCET, Muvattupuzha
3	Ms. Ragam Rajagopal	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/2016	22/2016	Pantech in association with department of Electrical & Electronics, RSET
		Fundamentals of LabVIEW & Data Acquisition Systems	21/07/2016	21/07/2016	Department of Applied Electronics, RSET
4	Mr. Ginnes K John	Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Pulse width Modulation Techniques for Voltage Source Inverters	21/11/2016	22/2016	under the quality improvement program of AICTE, New Delhi.
		Engineering Education & Research Seminar	30 Sep 2016	30 Sep 2016	National Instruments India
		Role of Accreditation & Audit in Higher Education Institutions	01/07/2016	01/07/2016	IQAC, Rajagiri
		DsPIC WITH POWER ELECTRONICS(Using Matlab),	25/11/2016	22/2016	Pantech in association with department of Electrical & Electronics, RSET
5		DsPIC WITH POWER ELECTRONICS(Using Matlab),	25/11/2016	22/2016	Pantech in association with the Department

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	Ms. Prathibha P.K				of Electrical & Electronics, RSET
		Green and Renewable Energy Applications,),	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Role of Accreditation & Audit in Higher Education Institutions	01/07/2016	01/07/2016	IQAC, Rajagiri
		Essential Mathematics for Engineering	29/11/16	03/12/16	KTU
		National Faculty Development Programme	05/12/2016	17/12/2106	Entrepreneurship Development Institute of INDIA, at RSET
		Application of Power Electronics in Modern Power Systems	03/01/17	07/01/17	VJCET, Muvattupuzha
6	Ms. Renu George	DsPIC WITH POWER ELECTRONICS(Using Matlab),	25/11/20	/2016	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
7	Ms. Anna Mathew	DsPIC WITH POWER ELECTRONICSUsing Matlab	25/11/20	/2016	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Pulse width Modulation Techniques for Voltage Source Inverters	21/11/20	/2016	under the quality improveme

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					nt program of AICTE, New Delhi.
		Essential Mathematics for Engineering	29/11/16	03/12/16	KTU
8	Ms. Caroline Ann Sam	DsPIC WITH POWER ELECTRONICS(Using Matlab),	21/11/20	/2016	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications,	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Pulse width Modulation Techniques for Voltage Source Inverters	25/11/20	/2016	under the quality improvement program of AICTE, New Delhi.
		Essential Mathematics for Engineering	29/11/16	03/12/16	KTU
9	Fr.Mejo Paul	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/20	/2016	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications,	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
10	Mr. Unnikrishnan L	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/20	/2016	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET

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		Faculty Development Program in Entrepreneurship 2016	07/07/2016	20/07/2016	National Science and Technology Entrepreneurship board ,Govt of India ,New Delhi at NITC.
		Introduction to Robotics	24/11/2016	25/11/2016	FISAT, Kerala
		I2P Makers Workshop	05/10/2016	22/10/2016	FISAT, Kerala
		Role of Accreditation & Audit in higher Education Institutions by	01/07/2016	01/07/2016	IQAC, Rajagiri
		Fundamentals of LabVIEW& Data Acquisition Systems	21/07/2016	21/07/2016	Department of Applied Electronics, RSET
		National Faculty Development Programme	05/12/2016	17/12/2016	Entrepreneurship Development Institute of INDIA,at RSET
11	Dr.P.C. Unnikrishnan	DsPIC WITH POWER ELECTRONICS(Using Matlab),	25/11/2016	/2016	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications,	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Analog,Power,Embedded Systems and Wireless(IoT)	03/11/2016	06/11/2016	Dr.N.G.P Institute of Technology, Coimbatore
		Fundamentals of LabVIEW& Data Acquisition Systems,	21/07/2016	21/07/2016	Department of Applied Electronics, RSET

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		Faculty Induction programme	04/07/2016	08/07/2016	RSET
12	Ms.Jayasri R Nair	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/2016	/2016	Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Fundamentals of LabVIEW& Data Acquisition Systems,	21/07/2016	21/07/2016	Department of Applied Electronics, RSET
		Role of Accreditation & Audit in HIGHER Education Institutions	01/07/2016	01/07/2016	IQAC, Rajagiri
		Essential Mathematics for Engineering	29/11/16	03/12/16	KTU
13	Ms. Sreepriya R	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/2016	/2016	organized by Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Fundamentals of LabVIEW& Data Acquisition Systems,	21/07/2016	21/07/2016	Department of Applied Electronics, RSET
14	Prof. J.T.Kuncheria	Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET

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15	Mr. Thomas K.P	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/20	/2016	organized by Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
16	Ms. Santhi B.	DsPIC WITH POWER ELECTRONICS(Using Matlab)	25/11/20	/2016	organized by Pantech in association with the Department of Electrical & Electronics, RSET
		Green and Renewable Energy Applications	02/11/2016	02/11/2016	Department of Electrical & Electronics, RSET
		Fundamentals of LabVIEW& Data Acquisition Systems,	21/07/2016	21/07/2016	Department of Applied Electronics, RSET
		Role of Accreditation & Audit in HIGHER Education Institutions	01/07/2016	01/07/2016	IQAC, Rajagiri

Academic Year 2015-16

Sl. No	Faculty Name	Workshop/ Seminar/ FDP/STTP	Dates		Organized by
			From	To	
1.	Ms. Anna Mathew	Solar Photovoltaic Power Systems For Residential, Commercial	22-07-2015	23-07-2015	RSET

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		And Off- Grid Applications			
		Nanotechnology Application In Engineering	08-07-2015	14-07-2015	MA College , Kothamangalam
		Claude Shannon:National Seminar on Information Theory and Communication	30/04/2016	30/04/2016	RSET
		Short term training program on Grid Connected Renewable Systems	21/01/2016	27/01/2016	VJCET,Kothamangalam
		IOT using Arduino and Raspberry pi	11/05/16	12/05/16	RSET
		One day Session on Latest feature sof MATLAB 2016a	20/06/16	20/06/16	RSET
2.	Ms.Caroline Ann Sam	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
		Claude Shannon:National Seminar on Information Theory and Communication	30/04/2016	30/04/2016	RSET

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		IOT using Arduino and Raspberry pi	11/05/16	12/05/16	RSET
		One day Session on Latest feature sof MATLAB 2016a	20/06/16	20/06/16	RSET
		Short term training program on Power electronics for smart grid	10/12/2015	15/12/2015	ASIET,Kalady
3.	Ms.Jayasri R.Nair	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
		Advancement in metal joining	09/10/15	09/10/15	RSET
4.	Mr.Jebin Francis	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
5.	Prof.J.T.Kuncheria	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
6.	Mr.Ginnes K.John	Solar Photovoltaic Power Systems For Residential,	22-07-2015	23-07-2015	RSET

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		Commercial And Off- Grid Applications			
		Claude Shannon: National Seminar on Information Theory and Communication	30/04/2016	30/04/2016	RSET
		Power Electronic Applications and control of modern electric drives II	06/04/16	07/04/16	Amrita, Coimbatore
7.	Ms. Prathibha P.K.	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
		Development Of Smart Power Grid	27-07-2015	31-07-2015	GEC Thrissur
		IOT using Arduino and Raspberry pi	11/05/16	12/05/16	RSET
		One day Session on Latest features of MATLAB 2016a	20/06/16	20/06/16	RSET
		Youth Entrepreneur's development	28/09/15	03/10/15	RSET
8.	Ms. Ragam Rajagopal	Solar Photovoltaic Power Systems For Residential, Commercial	22-07-2015	23-07-2015	RSET

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		And Off- Grid Applications			
		IOT using Arduino and Raspberry pi	11/05/16	12/05/16	RSET
		Claude Shannon: National Seminar on Information Theory and Communication	30/04/2016	30/04/2016	RSET
		Short term training program on Grid Connected Renewable Systems	21/01/2016	27/01/2016	VJCET, Kothamangalam
9.	Ms. Renu George	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
		Short term training program on Grid Connected Renewable Systems	21/01/2016	27/01/2016	VJCET, Kothamangalam
		IOT using Arduino and Raspberry pi	11/05/16	12/05/16	RSET
		Tutorial day of ICACC 2015	03/09/15	05/09/15	RSET
10.	Ms. Salitha K.	Solar Photovoltaic Power Systems For Residential, Commercial	22-07-2015	23-07-2015	RSET

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		And Off- Grid Applications			
11.	Ms.Santhi B.	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
		IOT using Arduino and Raspberry pi	11/05/16	12/05/16	RSET
		Claude Shannon:National Seminar on Information Theory and Communication	30/04/2016	30/04/2016	RSET
		Short term training program on Power electronics for smart grid	10/12/2015	15/12/2015	ASIET,Kalady
12.	Ms.Sreepriya R.	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
		IOT using Arduino and Raspberry pi	11/05/16	12/05/16	RSET
		Claude Shannon:National Seminar on Information Theory and Communication	30/04/2016	30/04/2016	RSET

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		Short term training program on Power electronics for smart grid	10/12/2015	15/12/2015	ASIET, Kalady
		One day Session on Latest features of MATLAB 2016a	20/06/16	20/06/16	RSET
13.	Mr. Thomas K.P.	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
		Claude Shannon: National Seminar on Information Theory and Communication	30/04/2016	30/04/2016	RSET
		IEEE AP-S Region 10 Distinguished Speaker Program	05/08/16	05/08/16	RSET
14.	Mr. Unnikrishnan L.	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET
		Control of drives for robots and automobiles	23-11-2015	27-11-2015	CET, Trivandrum

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		Claude Shannon: National Seminar on Information Theory and Communication	30/04/2016	30/04/2016	RSET
		IOT using Arduino and Raspberry pi	11/05/16	12/05/16	RSET
		One day Session on Latest features of MATLAB 2016a	20/06/16	20/06/16	RSET
		Youth Entrepreneur's development	28/09/15	03/10/15	RSET
		Entrepreneurship-A national Imperative	11/06/16	11/06/16	FISAT
		Entrepreneurship 2016	08/03/16	18/03/16	NIT, Calicut
15	Fr. Mejo Paul	Solar Photovoltaic Power Systems For Residential, Commercial And Off- Grid Applications	22-07-2015	23-07-2015	RSET

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Academic Year 2014-15

Sl. No:	Faculty Name	Workshop/ Seminar/ FDP/STTP	Date		Organized by
			From	To	
1	Mr. Unnikrishnan L.	Short term training programme on Adaptive & De-centralized control	25-05-2015	29-05-2015	IIT Mumbai
2		National Level Youth Entrepreneurship development Programme	20-04-2015	24-04-2015	Amal Jyothi Engineering College, Kanjirappally
3		One day workshop on Energy Audit	30-01-2015	30-01-2015	Organized by SEEM/ hosted by AISAT, Kalamasserry
4		One week workshop on “Power Quality Issues and its mitigation in Smart / Microgrid Systems”	17-11-2014	22-11-2014	Coimbatore Institute of Technology, Coimbatore.
5		FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
6		Seminar on “Capturing 3D world and Thoughts for Future Technology	10-02-2015	10-02-2015	RSET

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7		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
8		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
9		FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
10		Seminar on “Capturing 3D world and Future Technology World”.	10-02-2015	10-02-2015	RSET
11	Mr. Thomas K.P.	One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
12		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
13		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET

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14	Ms. Santhi B.	FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
15		Seminar on “Capturing 3D world and Thoughts for Future Technology World”.	10-02-2015	10-02-2015	RSET
16		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
17		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
18		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET
19		National Seminar on Energy Conservation & on-Grid Solar PV System	13-12-2014	13-12-2014	KSEB, Ernakulam
20	Ms. Salitha K.	FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
21		Seminar on “Capturing 3D world and Thoughts for Future Technology World”.	10-02-2015	10-02-2015	RSET

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22		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
23		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
24		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET
25		“Short term training programme on Advancements, Applications and Analysis of Electrical Machines”	08-12-2014	13-12-2014	Government Engineering College, Barton Hill Trivandrum.
26		FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
27	Ms. Sreepriya R.	Seminar on “Capturing 3D world and Future Technology World”.	10-02-2015	10-02-2015	RSET
28		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET

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29		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
30		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET
31		“Short term training programme on Advancements, Applications and Analysis of Electrical Machines”	08-12-2014	13-12-2014	Government Engineering College, Barton Hill Trivandrum.
32		3 day Faculty Induction Programme	29-12-2014	31-12-2014	RSET
33		FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
34	Ms. Rinu Alice Koshy	Seminar on “Capturing 3D world and Future Technology World”.	10-02-2015	10-02-2015	RSET
35		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET

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36		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
37		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET
38	Ms. Renu George	FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
39		Seminar on “Capturing 3D world Thoughts and for Future Technology World”.	10-02-2015	10-02-2015	RSET
40		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
41		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
42		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET

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43		3 day Faculty Induction Programme	29-12-2014	31-12-2014	RSET
44	Ms. Ragam Rajagopal	FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
45		Seminar on “Capturing 3D world and Future Technology World”.	10-02-2015	10-02-2015	RSET
46		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
47		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
48		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET
49	Ms. Prathibha P.K.	FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET

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50		Seminar on “Capturing 3D world and Thoughts for Future Technology World”.	10-02- 2015	10-02- 2015	RSET
51		One day workshop on “Micro Teaching”	31-12- 2014	31-12- 2014	RSET
52		“One day International workshop on Solar Energy Applications”	29-10- 2014	29-10- 2014	RSET
53		STTP on Research trends in Informatics Computing & Communication	16-04- 2015	25-04- 2015	RSET
54		National Seminar on Energy Conservation & on-Grid Solar PV System	13-12- 2014	13-12- 2014	KSEB, Ernakulam
55		Two day seminar on “Impact of Power Quality issues in Energy Conservation”	27-02- 2015	28-02- 2015	AISAT, Kalamasserry
56	Mr. Jebin Francis	FDP on “Teaching, Learning and Feedback”	29-06- 2015	29-06- 2015	RSET

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57		Seminar on “Capturing 3D world and Thoughts for Future Technology World”.	10-02- 2015	10-02- 2015	RSET
58		One day workshop on “Micro Teaching”	31-12- 2014	31-12- 2014	RSET
59		“One day International workshop on Solar Energy Applications”	29-10- 2014	29-10- 2014	RSET
60		STTP on Research trends in Informatics Computing & Communication	16-04- 2015	25-04- 2015	RSET
61		2 week main workshop on “Control Systems”	02-12- 2014	12-12- 2014	Organized by IIT Kharagpur, hosted by KMEA, Edathala
62	Ms. Jayasri R. Nair	FDP on “Teaching, Learning and Feedback”	29-06- 2015	29-06- 2015	RSET
63		Seminar on “Capturing 3D world and Thoughts for Future Technology World”.	10-02- 2015	10-02- 2015	RSET

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64		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
65		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
66		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET
67	Prof. J.T. Kuncheria	FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
68		Seminar on “Capturing 3D world Thoughts and for Future Technology World”.	10-02-2015	10-02-2015	RSET
69		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
70		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET

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71		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET
72		Three day seminar on Emerging Smart Grid Technologies and Research Directions	16-04-2015	18-04-2015	Amritha Vidyapeetham, Coimbatore
73		FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
74		Seminar on “Capturing 3D world and Future Technology World”.	10-02-2015	10-02-2015	RSET
75	Mr. Ginnes K. John	One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
76		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
77		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET

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78		Three day seminar on Emerging Smart Grid Technologies and Research Directions	16-04-2015	18-04-2015	AmrithaVidyapeetham, Coimbatore
79		Two day seminar on “Impact of Power Quality issues in Energy Conservation”	27-02-2015	28-02-2015	AISAT, Kalamasserry
80	Ms. Caroline Ann Sam	FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
81		Seminar on “Capturing 3D world and Thoughts for Future Technology World”.	10-02-2015	10-02-2015	RSET
82		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
83		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
84		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET

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85		2 week main workshop on “Control Systems”	02-12-2014	12-12-2014	Organized by IIT Kharagpur, hosted by KMEA, Edathala
86		Three day National Workshop on innovations in curriculum, teaching and instruction for teachers of professional and technical institutions	04-03-2015	06-03-2015	Christ University, Bangalore
87	Ms. Anna Mathew	FDP on “Teaching, Learning and Feedback”	29-06-2015	29-06-2015	RSET
88		Seminar on “Capturing 3D world Thoughts and for Future Technology World”.	10-02-2015	10-02-2015	RSET
89		One day workshop on “Micro Teaching”	31-12-2014	31-12-2014	RSET
90		“One day International workshop on Solar Energy Applications”	29-10-2014	29-10-2014	RSET
91		STTP on Research trends in Informatics Computing & Communication	16-04-2015	25-04-2015	RSET

ANNEXURE 11**11.1 CONFERENCES PUBLICATIONS OF FACULTY**

Academic Year 16-17			
Sl.No	Name	Title of the paper	Organised by (Conference)
1.	Jebin Francis	Field oriented sensorless position control of a hybrid stepper motor using extended Kalman filter	IEEE conference proceedings-10th International Conference on Intelligent Systems and Control (ISCO), Nov 2016 ,pp 1-5.

Academic Year 15-16			
Sl.No	Name	Title of the paper	Organised by (Conference)
1.	J.T Kuncheria	FPGA based BLDC Hub Motor Powered Fuzzy Controlled Foldable E-Bike	International Conference on Communication, Signal Processing, Computing and Information Technology, 2015, ISBN: 978-93-83038-41-1
2.	GINNES K.John	Design,Modelling And Simulation Of a New Single Input Dual Output DC-DC-AC Converter Technique For Photovoltaic Systems	International Conference On Alternate Energy Technologies (ICAET) 2015, Government College of Technology, Coimbatore, India, November 2015.

Academic Year 14-15			
Sl.No	Name	Title of the paper	Organised by (Conference)
1.	J T Kuncheria	Modelling and Design of Cost Efficient Novel Digital Controller for Brushless DC Motor Drive	International Conference On Magnetics, Machines & Drives, ISBN:978-1-4799-52038, AICERA-2014

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2.	Jayasri R Nair	Position Sensorless Control Of BLDCM Using Direct Torque Control	International Conference on Emerging Trends in Electrical Systems 2014, Dec 2014
3.	Jayasri R Nair	A Novel Speed Control Strategy For Sensorless Brushless DC Motor	3rd National Conference On Emerging Technologies
4.	Jani Das	PV Powered Soft Switched Boost Converter Using MPPT Control	International Conference on Magnetism, Machines and Drives ISBN:978-1-4799-5203-8 Aug 2014 ,AICERA -2014
5.	Rinu Alice Koshy	PV Powered Zeta Converter Fed BLDC Drive	International Conference On Magnetism, Machines & Drives ISBN:978-1-4799-5203-8 Aug 2014, AICERA-2014
6.	Rinu Alice Koshy	Battery Super - Capacitor Combination In PV Powered Zeta Converter Fed BLDC Drive	The International Conference On Energy ,Environment, Materials And Safety ISBN:978-93-80095-58-5 Dec 2014, CUSAT
7.	Ginnes K John	Simulation Of Closed Loop Control Of BLDC Motor Drive Fed By Canonical Switching Cell Converter With Improved Power Quality	International Conference On Energy, Environment, Materials And Safety ISBN:978-93-80095-58-5, Dec 2014, CUSAT
8.	Salitha K	Off Line Real Time Simulation Of Electric Vehicle Power Train In SEQUEL	International Conference On Power Electronics & Drive Systems ISBN: 978-1-4799-6373-3, Dec 2014
9.	B Santhi	Off Line and Real Time Simulation Of Electric Vehicle	2nd National Conference On Emerging Trends In Engineering Aug 2014
10.	Caroline Ann Sam	An Efficient ZVT ZVC Boost Converter Fed BLDC Motor Drive	2nd National Conference On Emerging Trends In Engineering

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11.	Anna Mathew	Implementation Of A Novel PFC Cuk Rectifier Fed BLDC Motor Drive	International Conference on Magnetics,Machines & Drives ISBN:978-1-4799-5203-8 Aug2014 , AICERA-2014
12.	Anna Mathew	Off-Line And Real Time Simulation Modeling Of Electric Vehicle Power Train	International Conference on Magnetics,Machines & Drives ISBN:978-1-4799-5203-8 Aug 2014
13.	Prathibha.P. K	Universal Power Electronic Interface For EV, HEV And PHEV Applications	3rd National Conference On Emerging Technologies,Aug 2014
14.	Ragam Rajagopal	Direct AC-AC Z-Source Matrix Converter For Single Phase Induction Motor	2nd National Conference On Emerging Trends In Engineering Aug 2014
15.	Renu George	An Advanced Speed Control Technique For Solar Powered Induction Motor Drive Using SVPWM	National Conference On Emerging Electrical Trends Oct 2014
16.	Thomas K P	A Novel BLDC Motor Drive For Electric Power Steering Application	3rd National Conference On Emerging Technologies Aug 2014
17.	L.Unnikrishnan	A Novel Method To Achieve Harmonic Reductions In Micro Grid	3rd National Conference On Emerging Technologies, Ncet Aug2014
18	L.Unnikrishnan ,	DTC - SVM Scheme For A FSTPI Fed Induction Motor Drive	International Conference On Computing Communication And Energy System July2014
19	L.Unnikrishnan	DTC-SVM Scheme For A Three Phase Induction Motor Drive With Power Factor Correction	International Conference On Computing Communication And Energy Systems-July2014
20	L.Unnikrishnan	Adaptive Fuzzy Based Controller In Electric Standing Wheel Chairs For Physically Disabled	International Conference On Computing Communication And Energy Systems- July2014
21	Sreepriya.R	Field Oriented Control Of Induction Motor With Improved Z Source Inverter	2nd National Conference On Emerging Trends In Engineering Oct 2014
22	Sreepriya.R	Single Source Seven Level Inverter Induction Motor Drive	National Conference On Emerging Electrical Trends Oct 2014

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23	Jebin Francis	Design and Simulation of Two Phase Interleaved Buck Converter	National conference on Recent Advances in Electrical and Electronics Engineering, MBITS, March 2015
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11.2 JOURNAL PUBLICATIONS OF FACULTY

Academic Year 2016-2017			
Sl.No	Name	Title of the paper	Journals
1	Anna Mathew	Simulation Of Bridgeless Buckboost Converter Fed BLDC Motor Drive	International Journal For Research & Development In Technology, Vol. 6, Issue 3, 2016, ISSN:2349-3585
2	Caroline Ann Sam	An improved Power Quality Based Sensor less Control of BLDC Motor	International Journal of Advanced Research in Electrical, Electronics and Instrumentation(IJAREEIE) Vol.5,Issue 9, September 2016,ISSN:2320-3765
3	Fr. Mejo Paul	Simulation of an Improved Non Isolated Fuzzy Based DC-DC Boost Converter for High Voltage Applications	International Journal For Scientific Research And Management (IJERM),Vol.3,Issue 07,July 2016, ISSN:2349-2058
4	Jayasri R Nair	Simulation study of a Fuzzy Based Bridgeless CSC Converter Fed Sensor less BLDC Motor Drive	International Journal For Scientific Research And Management (IJERM),Vol.3,Issue 08,August 2016, ISSN:2349-2058
5	Prof. J. T. Kuncheria	Implementation of Improved Three Phase Variable Frequency Drive Operating on Single Phase Grid	International Journal For Research & Development In Technology, Vol. 6, Issue 4, November 2016, ISSN:2349-3585
		Single Phase Interleaved Bridgeless Boost Front End Converter for Three Phase Induction Motor Drive	International Journal for Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 8, August 2016, ISSN:2320-3765
6	Prathibha P. K.	An Analysis of Simulation of Neural	International Journal of Scientific Research in Science, Engineering and

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		Network controlled BLDC Drive	Technology (IJSRSET) Vol.2, Issue 6, August 2016, ISSN:2395-1990
7	Ragam Rajagopal	A Multilevel Inverter Fed Electric Traction Drive With Modified Direct Torque Control	International Journal For Research & Development In Technology, Vol. 6, Issue 2, September 2016, ISSN:2349-3585
		A review on control of ac microgrid	Renewable and Sustainable Energy Reviews, Elsevier, http://dx.doi.org/10.1016/j.rser.2016.12.106 [IMPACT FACTOR: 6.798]
8	Renu George	A Fault Tolerant Three Phase Adjustable Speed Drive Topology	International Journal For Research & Development In Technology, Vol. 6, Issue 1, August 2016, ISSN:2349-3585
9	B. Santhi,	Simulation Of Single-Switch Buckboost Dc/Dc Converter Fed Dc Motor For Servo Application	International Journal For Research & Development In Technology, Vol. 6, Issue 2, September 2016, ISSN:2349-3585
10	Thomas KP	Energy Efficient DC Traction System Through Regenerative Braking	International Journal For Scientific Research And Management (IJERM), Vol.3, Issue 8, August 2016, ISSN:2349-2058
		Design of a High Performance Three Phase Induction Motor Drive System With Current Limit Strategy	International Journal For Scientific Research And Management (IJERM), Vol.3, Issue 8, August 2016, ISSN:2349-2058
11	Unnikrishnan L	Hardware of FPGA Based Control of BLDC Drive for Minimum Torque Ripple	International Journal Of engineering Sciences and Management Research, Vol.3, Issue 09, September 2016, ISSN:2349-6193
		FPGA Based Control Of BLDC Drive For Minimum Torque Ripple	International Journal For Research & Development In Technology, Vol. 5, Issue 7, July 2016, ISSN:2349-3585
		FPGA based electric drive system	International Journal For Research & Development In Technology, Vol. 5, Issue 7, July 2016, ISSN:2349-3585

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12	Anna Mathew	High Step Up dc-dc Converter fed DC Motor Drive for Rural Irrigation Application	International Journal For Research & Development In Technology, Vol. 6, Issue 2, September 2016, ISSN:2349-3585.
13	Sreepriya R	A Flyback Converter Fed Multilevel Inverter for AC Drives	International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET) Vol.2, Issue 4, August 2016, ISSN:2395-1990
		Fuzzy Based Bridgeless Sepic Rectifier Fed Four Switch Three Phase BLDC Motor Drive	International Journal For Scientific Research And Management (IJERM), Vol.3, Issue 7, July 2016, ISSN:2349-2058
14	Jebin Francis	Simulation of a Regenerative Braking Method for Brushless DC drives with ultracapacitor based energy recovery system	International Journal For Research & Development In Technology, Vol. 6, Issue 1, August 2016, ISSN:2349-3585
		Simulation of Hybrid Switching Technique for driving High-Speed BLDC Motor	International Journal For Research & Development In Technology, Vol. 6, Issue 1, August 2016, ISSN:2349-3585
		Development of Three Phase BLDC Motor Drive System for Diesel Engine Emission Reductions	International Journal For Scientific Research And Management (IJERM), Vol.3, Issue 10, October 2016, ISSN:2349-2058

Academic Year-15-16			
Sl.No	Name	Title of the paper	Organised by (Journals)
1.	J.T Kuncheria,	Simulation Study Of FPGA Based Energy Efficient BLDC Hub Motor Driven Fuzzy Controlled Foldable E-Bike	International Journal For Scientific Research And Development (IJSRD), Vol.3, Issue 07, 2015, ISSN:2321-0613
		FPGA based BLDC Hub Motor Powered Fuzzy	International Journal on Computing Communications and Systems, 2015, ISSN 2277-6699.

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		Controlled Foldable E-Bike	
		Performance Improvement Of BLDC Motor Using Interleaved Buck Converter	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015, ISSN:2278-0181
		Simulation and Hardware Improvement on Performance Improvement Of BLDC Motor Using Interleaved Buck Converter	International Journal of Engineering Research & Technology ISSN:2278-0181,VOL.4,Issue.12,December 2015.
2.	Santhi B	Simulation Of Three Phase Induction Motor With Reonant Switched Boost Converter	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015, ISSN:2278-0181
		Simulation Of Pulse Amplitude Modulation Based Voltage Control Technique For The Speed Control Of BLDC Motor Using Class-E Load Resonant Converter	International Journal Of Engineering Research And Technology(IJERT) Vol.04,Issue 09,2015, ISSN:2278-0181
3.	Ginnes K John	Genetic Algorithm Based PID Tuning For a DTC Controlled Induction Motor	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 10,2015, ISSN:2278-0181
		Design, Modelling And Simulation Of a New Single Input Dual Output DC-DC-AC Converter Technique For Photovoltaic Systems	International Journal of Applied Engineering Research, Vol. 10, No. 88, 2015, ISSN 0973-4562
4.	Thomas K.P.	Implementation Of Indirect Vector Control Of Induction Motor Speed Using Fuzzy Control	International Journal Of Science And Technology Issue 9,2013, ISSN:2321-919X
5.	Salitha K	Simulation Of Non Inverting Buck Boost Converter Fed BLDC Motor Drive With Four Quadrant Operation	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 07,2015, ISSN:2278-0181
		Four quadrant operation of BLDC motor drive	Indian Journal of Engineering, 2016, 13(31), 89-97.

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		using a non-inverting buck boost converter"	
		Four quadrant operation of BLDC motor drive using a non-inverting buck boost converter	Discovery Engineering, 2016, 4(11), 144-152.
6.	Prathibha P.K	Fuzzy Controlled DTC Fed By a Four Switch Inverter Fed Induction Motor	International Journal Of Research In Engineering And Technology, Vol.4,Issue 09,2015, ISSN:2321-7308
7.	Jayasri R.Nair	Simulation Of Model Predictive Control Space Vector Modulation Fed PMSM Drive	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015, ISSN:2278-0181
8.	Ragam Rajagopal	Simulation Of Reduced Component Count Quasi Z-Source Inverter Fed BLDC Motor For Renewable Energy Application	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015, ISSN:2278-0181
		Fused Converter Based Hybrid System Using Three State Switching Cell for High Power Applications	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 6, June 2016 ISSN: 2320 – 3765
9.	Jebin Francis	Modelling And Simulation Of a Hybrid Stepper Motor In Microstepping Mode	International Journal Of Advanced Technology In Engineering And Science, Vol.3,Issue 09,2015, ISSN:2348-7550
		Simulation of sensorless position control of a stepper motor with field oriented control using extended Kalman filter	International Journal of Innovative Research in Science, Engineering and Technology, vol. 4, issue. 11, Nov 2015 , pp.10705-10710.
10.	Renu George	Simulation Of SVM Based Three Phase Induction Motor Drive With An Improved Charge Pump Circuit	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015 ISSN:2278-0181
11.	Sreepriya R	Speed Control Of Vector Controlled Induction Motor Using Sliding Mode Controller And Zeta Converter	International Journal For Scientific Research And Development (IJSRD),Vol.3,Issue 07,2015, ISSN:2321-0613
		BLDC motor drive with zeta converter based npc inverter	International Journal for Scientific Research and Development,Vol.3,Issue 09,2015.

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12.	Caroline Ann Sam	Simulation Of Fuzzy Controller Based Isolated Zeta Converter Fed BLDC Motor Drive”	International Journal Of Engineering Development And Research, Vol.3,Issue 03,2015,ISSN:2321-9939
		Hardware implementation of fuzzy controlled isolated Zeta converter fed BLDC motor drive	Indian Journal of Engineering,13(31), 82-88,2016.
		Hardware implementation of fuzzy controlled isolated Zeta converter fed BLDC motor	Discovery Engineering,2016,4(11),88-93.
		Simulation Of Buck Type Current Source Inverter Fed BLDC Motor	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 08,2015, ISSN:2278-0181
13.	Anna Mathew	Speed Control Of Induction Motor Using Model Reference Adaptive System And SVPWM With Zeta Converter	International Journal Of Engineering Research And Technology(IJERT) Vol.03,Issue 07,2015, ISSN:2321-0613
14.	Unnikrishnan L	Power Factor and Harmonic Issues in BLDC Motor Drive System	International Journal of Research and Management, Vol. 2, Issue 8, August 2015, ISSN 2349-2058.
		Multilevel Inverter Induction Motor Drives	International Journal Of Research In Engineering And Technology , Vol.4,Issue 09,2015, ISSN:2321-7308
		A BLDC Motor Ceiling Fan With Reduced Inverter Switches And An Improved DTC Method	International Journal Of Advanced Research In Electrical ,Electronics And Instrumentation Engineering, Vol.4,Issue 09,2015, ISSN:2320-3765

Academic Year-2014-15

Sl.No	Name	Title of the paper	Journals
1.	Jayasri R Nair	Digital Control of Permanent Magnet Synchronous Motor	International Journal of Advanced Research in Electrical, Electronics & Instrumentation Engineering

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			ISSN(Print):2320-3765,Aug 2014
2.	Jebin Francis	A Novel Fuzzy Vector Control Scheme for Three Phase Induction Motor	International Journal of Scientific and Engineering Research. ISSN:2229-5518 Aug 2014
		Design and Simulation of Two Phase Interleaved Buck Converter	International Journal of Advanced Research in electrical, Electronics and Instrumentation, Vol. 4, Issue 1, March 2015, ISSN : 2320-3765
3.	Karthikeyan K B	Energy Efficient Multipurpose Robotic Manipulator Using Induction Motor	International Journal of Advanced Research in Electrical, Electronics & Instrumentation Engineering ISSN(Print):2320-3765 Aug 2014
4.	Caroline Ann Sam	Hardware Implementation of Single Phase AC to DC Matrix Converter as a DC Motor Drive	International Journal of Emerging Engineering Research and Technology, Vol 3, Issue 4, January 2015. ISSN(print):2349-4395
5.	Unnikrishnan L.	Speed Control Methods for BLDC Motor	International Journal of Research and Management”, Vol. 2, Issue 1, January 2015., ISSN 2349-2058.
		An Overview on Energy Efficient Electric Drives	International Journal of Research and Management, Vol. 2, Issue 1, January 2015, ISSN 2349-2058
		Effect of Temperature and losses in semiconductor devices used in automotive applications	International Journal of Engineering, research and technology, ISSN: 2278-0181, vol.3, Issue 10,Oct 2014.
		An Overview of DC to DC converters in PV applications	International Journal of Scientific and Engineering research, ISSN: 2229-5518, vol.5, Issue 10,Oct 2014

ANNEXURE 12**12.1 CONFERENCE PUBLICATIONS OF STUDENTS**

Academic Year-2016-17				
Sl.No	Name	Title of the paper	Organised by (Conference)	Achievement
1.	Nilu Mary Tomy, Jebin Francis,	Field oriented sensorless position control of a hybrid stepper motor using extended Kalman filter	IEEE conference proceedings-10th International Conference on Intelligent Systems and Control (ISCO), Nov 2016 ,pp 1-5.	Participation

Academic Year-2015-16				
Sl.No	Name	Title of the paper	Organised by (Conference)	Achievement
1.	Abdul Hadi K, J.T Kuncheria,	FPGA based BLDC Hub Motor Powered Fuzzy Controlled Foldable E-Bike	International Conference on Communication, Signal Processing, Computing and Information Technology, 2015, ISBN: 978-93-83038-41-1	Participation
2.	Tonsy Tony ,Ginnes K.John	Design,Modelling And Simulation Of a New Single Input Dual Output DC-DC-AC Converter Technique For Photovoltaic Systems	International Conference On Alternate Energy Technologies (ICAET) 2015, Government College of Technology, Coimbatore, India, November 2015.	Participation

Academic Year-2014-15				
Sl.No	Name	Title of the paper	Organised by (Conference)	Achievement
1.	Libin Varghese	Modelling and Design of Cost Efficient Novel	International Conference On	Participation

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	J T Kuncheria	Digital Controller for Brushless DC Motor Drive	Magnetics, Machines & Drives ISBN:978-1-4799-5203-8 ,AICERA-2014	
2.	Dolly Nelson Jayasri R Nair	Position Sensorless Control Of BLDCM Using Direct Torque Control	International Conference on Emerging Trends in Electrical Systems 2014,Dec2014	Participation
3.	Dolly Nelson Jayasri R Nair	A Novel Speed Control Strategy For Sensorless Brushless DC Motor	3rd National Conference On Emerging Technologies	Participation
4.	Soumya Simon Jani Das	PV Powered Soft Switched Boost Converter Using MPPT Control	International Conference on Magnetics, Machines and Drives ISBN:978-1-4799-5203-8 Aug 2014 ,AICERA -2014	Participation
5.	Rosemin Parackal Rinu Alice Koshy	PV Powered Zeta Converter Fed BLDC Drive	International Conference On Magnetics, Machines & Drives ISBN:978-1-4799-5203-8 Aug2014,AICERA-2014	Participation
6.	Rosemin Parackal Rinu Alice Koshy	Battery Super - Capacitor Combination In PV Powered Zeta Converter Fed BLDC Drive	The International Conference On Energy ,Environment, Materials And Safety ISBN:978-93-80095-58-5Dec2014,CUSAT	Participation
7.	Anu Narayanan Ginnes K John	Simulation Of Closed Loop Control Of BLDC Motor Drive Fed By Canonical Switching Cell Converter With	International Conference On Energy, Environment, Materials And Safety ISBN:978-93-80095-58-5,Dec 2014,CUSAT	Participation

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		Improved Power Quality		
8.	Shelma George Salitha K	Off Line Real Time Simulation Of Electric Vehicle Power Train In SEQUEL	International Conference On Power Electronics & Drive Systems ISBN: 978-1-4799-6373-3, Dec 2014	Participation
9.	Geethu Thomas B Santhi	Off Line and Real Time Simulation Of Electric Vehicle	2nd National Conference On Emerging Trends In Engineering Aug 2014	Participation
10.	Deepa Philip Caroline Ann Sam	An Efficient ZVT ZVC Boost Converter Fed BLDC Motor Drive	2nd National Conference On Emerging Trends In Engineering	Participation
11.	Anju Abraham Anna Mathew	Implementation Of A Novel PFC Cuk Rectifier Fed BLDC Motor Drive	International Conference on Magnetism, Machines & Drives ISBN:978-1-4799-5203-8 Aug 2014 , AICERA-2014	Participation
12.	Shelma George Anna Mathew	Off-Line And Real Time Simulation Modeling Of Electric Vehicle Power Train	International Conference on Magnetism, Machines & Drives ISBN:978-1-4799-5203-8 Aug 2014	Participation
13.	Kokila George Prathibha.P.K	Universal Power Electronic Interface For EV, HEV And PHEV Applications	3rd National Conference On Emerging Technologies, Aug 2014	Participation
14.	Hridhya Mereena George Ragam Rajagopal	Direct AC-AC Z-Source Matrix Converter For Single Phase Induction Motor	2nd National Conference On Emerging Trends In Engineering Aug 2014	Participation

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15.	Aby George Renu George	An Advanced Speed Control Technique For Solar Powered Induction Motor Drive Using SVPWM	National Conference On Emerging Electrical Trends Oct 2014	Participation
16.	Asif E.P. Thomas K P	A Novel BLDC Motor Drive For Electric Power Steering Application	3rd National Conference On Emerging Technologies Aug 2014	Participation
17.	Mebin Joseph, L.Unnikrishnan	A Novel Method To Achieve Harmonic Reductions In Micro Grid	3rd National Conference On Emerging Technologies, Ncet Aug2014	Participation
18	Eldho Joy, L.Unnikrishnan ,	DTC - SVM Scheme For A FSTPI Fed Induction Motor Drive	International Conference On Computing Communication And Energy System July2014	Participation
19	Eldho Joy, L.Unnikrishnan	DTC-SVM Scheme For A Three Phase Induction Motor Drive With Power Factor Correction	International Conference On Computing Communication And Energy Systems-July2014	Participation
20	Mebin Joseph, L.Unnikrishnan	Adaptive Fuzzy Based Controller In Electric Standing Wheel Chairs For Physically Disabled	International Conference On Computing Communication And Energy Systems-July2014	Participation
21	Layana K A, Sreepriya.R	Field Oriented Control Of Induction Motor With Improved Z Source Inverter	2nd National Conference On Emerging Trends In Engineering Oct 2014	Participation
22	Sabitha C M, Sreepriya.R	Single Source Seven Level Inverter Induction Motor Drive	National Conference On Emerging Electrical Trends Oct 2014	Participation

12.2 JOURNAL PUBLICATIONS OF STUDENTS

Academic Year-16-17			
Sl.No	Name	Title of the paper	Organised by (Journals)
1	Alphonsa Johny, Anna Mathew	Simulation Of Bridgeless Buckboost Converter Fed BLDC Motor Drive	International Journal For Research & Development In Technology, Vol. 6, Issue 3, 2016, ISSN:2349-3585
2	Antony Dominic, Caroline Ann Sam	An improved Power Quality Based Sensor less Control of BLDC Motor	International Journal of Advanced Research in Electrical, Electronics and Instrumentation(IJAREEIE) Vol.5,Issue 9, September 2016,ISSN:2320-3765
3	Archana Murali, Fr. Mejo Gracevilla CMI	Simulation of an Improved Non Isolated Fuzzy Based DC-DC Boost Converter for High Voltage Applications	International Journal For Scientific Research And Management (IJERM),Vol.3,Issue 07,July 2016, ISSN:2349-2058
4	Ashitha Baby, Jayasri R Nair	Simulation study of a Fuzzy Based Bridgeless CSC Converter Fed Sensor less BLDC Motor Drive	International Journal For Scientific Research And Management (IJERM),Vol.3,Issue 08,August 2016, ISSN:2349-2058
5	Aswathy C J, Jebin Francis	Simulation of Hybrid Switching Technique for driving High-Speed BLDC Motor	International Journal For Research & Development In Technology, Vol. 6, Issue 1, August 2016, ISSN:2349-3585
6	Aswathy C J, Jebin Francis	Development of Three Phase BLDC Motor Drive System for Diesel Engine Emission Reductions	International Journal For Scientific Research And Management (IJERM),Vol.3,Issue 10,October 2016, ISSN:2349-2058
7	Binoj Thomas, Prof. J. T. Kuncheria	Implementation of Improved Three Phase Variable Frequency Drive Operating on Single Phase Grid	International Journal For Research & Development In Technology, Vol. 6, Issue 4, November 2016, ISSN:2349-3585

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8	Binoj Thomas , Prof. J. T. Kuncheria	Single Phase Interleaved Bridgeless Boost Front End Converter for Three Phase Induction Motor Drive	International Journal for Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 8, August 2016, ISSN:2320-3765
9	Fefi Pinhiero , Prathibha P. K.	An Analysis of Simulation of Neural Network controlled BLDC Drive	International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET) Vol.2, Issue 6, August 2016, ISSN:2395-1990
10	Josnie Ann Thomas , Ragam Rajagopal	A Multilevel Inverter Fed Electric Traction Drive With Modified Direct Torque Control	International Journal For Research & Development In Technology, Vol. 6, Issue 2, September 2016, ISSN:2349-3585
11	Lakshmipriya Asokan , Renu George	A Fault Tolerant Three Phase Adjustable Speed Drive Topology	International Journal For Research & Development In Technology, Vol. 6, Issue 1, August 2016, ISSN:2349-3585
12	Litty Tresa Jose A. , Thomas KP	Design of a High Performance Three Phase Induction Motor Drive System With Current Limit Strategy	International Journal For Scientific Research And Management (IJERM), Vol.3, Issue 8, August 2016, ISSN:2349-2058
13	Loyed Lawrence Frank , B. Santhi,	Simulation Of Single-Switch Buckboost Dc/Dc Converter Fed Dc Motor For Servo Application	International Journal For Research & Development In Technology, Vol. 6, Issue 2, September 2016, ISSN:2349-3585
14	Manisha Emmanuel , Sreepriya R	Fuzzy Based Bridgeless Sepic Rectifier Fed Four Switch Three Phase BLDC Motor Drive	International Journal For Scientific Research And Management (IJERM), Vol.3, Issue 7, July 2016, ISSN:2349-2058
15	Mitha Thampi , Thomas KP	Energy Efficient DC Traction System Through Regenerative Braking	International Journal For Scientific Research And Management (IJERM), Vol.3, Issue 8, August 2016, ISSN:2349-2058
16	Neethu Alexander , Unnikrishnan L	Hardware of FPGA Based Control of BLDC Drive for Minimum Torque Ripple	International Journal Of engineering Sciences and Management Research, Vol.3, Issue 09, September 2016, ISSN:2349-6193

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17	Nirmal Joseph , Anna Mathew	High Step Up dc-dc Converter fed DC Motor Drive for Rural Irrigation Application	International Journal For Research & Development In Technology, Vol. 6, Issue 2, September 2016, ISSN:2349-3585.
18	Reshmy M , Jebin Francis	Simulation of a Regenerative Braking Method for Brushless DC drives with ultra-capacitor based energy recovery system	International Journal For Research & Development In Technology, Vol. 6, Issue 1, August 2016, ISSN:2349-3585
19	Teenu Jose , Sreepriya R	A Flyback Converter Fed Multilevel Inverter for AC Drives	International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET) Vol.2, Issue 4, August 2016, ISSN:2395-1990
20	Neethu Alexander , Unnikrishnan L	FPGA Based Control Of BLDC Drive For Minimum Torque Ripple	International Journal For Research & Development In Technology, Vol. 5, Issue 7, July 2016, ISSN:2349-3585
21	Neethu Alexander , Unnikrishnan L	FPGA based electric drive system	International Journal For Research & Development In Technology, Vol. 5, Issue 7, July 2016, ISSN:2349-3585

Academic Year-15-16			
Sl.No	Name	Title of the paper	Organised by (Journals)
1.	Abdul Hadi K. , J.T Kuncheria	Simulation Study Of FPGA Based Energy Efficient BLDC Hub Motor Driven Fuzzy Controlled Foldable E-Bike	International Journal For Scientific Research And Development (IJSRD), Vol.3, Issue 07, 2015, ISSN:2321-0613
2.	Abdul Hadi K , J.T Kuncheria,	FPGA based BLDC Hub Motor Powered Fuzzy Controlled Foldable E-Bike	International Journal on Computing Communications and Systems, 2015, ISSN 2277-6699.
3.	Ajith K.P , Santhi B	Simulation Of Three Phase Induction Motor With Reonant Switched Boost Converter	International Journal Of Engineering Research And Technology(IJERT) Vol.4, Issue 09, 2015, ISSN:2278-0181

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4.	Alen Silven ,J.T Kuncheria	Performance Improvement Of BLDC Motor Using Interleaved Buck Converter	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015, ISSN:2278-0181
5.	Alen Silven ,J.T Kuncheria	Simulation and Hardware Improvement on Performance Improvement Of BLDC Motor Using Interleaved Buck Converter	International Journal of Engineering Research & Technology ISSN:2278-0181,VOL.4,Issue.12,December 2015.
6.	Amal K Paul ,Ginnes K John	Genetic Algorithm Based PID Tuning For a DTC Controlled Induction Motor	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 10,2015, ISSN:2278-0181
7.	Amritha Ann Mary ,Thomas K.P.	Implementation Of Indirect Vector Control Of Induction Motor Speed Using Fuzzy Control	International Journal Of Science And Technology Issue 9,2013, ISSN:2321-919X
8.	Annie Bincy C.A ,Salitha K.	Simulation Of Non Inverting Buck Boost Converter Fed BLDC Motor Drive With Four Quadrant Operation	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 07,2015, ISSN:2278-0181
9.	Annie Bincy C.A. , Salitha K	Four quadrant operation of BLDC motor drive using a non-inverting buck boost converter"	Indian Journal of Engineering, 2016, 13(31), 89-97.
10.	Annie Bincy C.A. , Salitha K	Four quadrant operation of BLDC motor drive using a non-inverting buck boost converter	Discovery Engineering, 2016, 4(11), 144-152.
11.	Keerthana Govind ,Caroline Ann Sam	Simulation Of Buck Type Current Source Inverter Fed BLDC Motor	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 08,2015, ISSN:2278-0181
12.	Meenu Mary Behanan ,Prathibha P.K	Fuzzy Controlled DTC Fed By a Four Switch Inverter Fed Induction Motor	International Journal Of Research In Engineering And Technology, Vol.4,Issue 09,2015, ISSN:2321-7308
13.	Megha Mohan ,Jayasri R.Nair	Simulation Of Model Predictive Control Space Vector Modulation Fed PMSM Drive	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015,

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			ISSN:2278-0181
14.	Milan Sebastian ,Ragam Rajagopal	Simulation Of Reduced Component Count Quasi Z-Source Inverter Fed BLDC Motor For Renewable Energy Application	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015, ISSN:2278-0181
15.	Nilu Mary Tomy ,Jebin Francis	Modelling And Simulation Of a Hybrid Stepper Motor In Microstepping Mode	International Journal Of Advanced Technology In Engineering And Science, Vol.3,Issue 09,2015, ISSN:2348-7550
16.	Nilu Mary Tomy , Jebin Francis	Simulation of sensorless position control of a stepper motor with field oriented control using extended Kalman filter	International Journal of Innovative Research in Science, Engineering and Technology, vol. 4, issue. 11, Nov 2015 , pp.10705-10710.
17.	Riczeena Jose ,Santhi B.	Simulation Of Pulse Amplitude Modulation Based Voltage Control Technique For The Speed Control Of BLDC Motor Using Class-E Load Resonant Converter	International Journal Of Engineering Research And Technology(IJERT) Vol.04,Issue 09,2015, ISSN:2278-0181
18.	S Krishnapriya , Unnikrishnan.L	Multilevel Inverter Induction Motor Drives	International Journal Of Research In Engineering And Technology , Vol.4,Issue 09,2015, ISSN:2321-7308
19.	Serin George ,Renu George	Simulation Of SVM Based Three Phase Induction Motor Drive With An Improved Charge Pump Circuit	International Journal Of Engineering Research And Technology(IJERT) Vol.4,Issue 09,2015 ISSN:2278-0181
20.	Sharika Raj C ,Sreepriya R	Speed Control Of Vector Controlled Induction Motor Using Sliding Mode Controller And Zeta Converter	International Journal For Scientific Research And Development (IJSRD),Vol.3,Issue 07,2015, ISSN:2321-0613
21.	Shikha Ashok Kumar ,Sreepriya R	BLDC motor drive with zeta converter based npc inverter	International Journal for Scientific Research and Development,Vol.3,Issue 09,2015.
22.	Sreelakshmi K ,Caroline Ann Sam,”	Simulation Of Fuzzy Controller Based Isolated Zeta Converter Fed BLDC Motor Drive”	International Journal Of Engineering Development And Research, Vol.3,Issue 03,2015,ISSN:2321-9939

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23.	Sreelakshmi K. ,Caroline Ann Sam	Hardware implementation of fuzzy controlled isolated Zeta converter fed BLDC motor drive	Indian Journal of Engineering,13(31), 82-88,2016.
24.	Sreelakshmi K. ,Caroline Ann Sam	Hardware implementation of fuzzy controlled isolated Zeta converter fed BLDC motor	Discovery Engineering,2016,4(11),88-93.
25.	Tijina Treasa Ignatious ,Unnikrishnan L	A BLDC Motor Ceiling Fan With Reduced Inverter Switches And An Improved DTC Method	International Journal Of Advanced Research In Electrical ,Electronics And Instrumentation Engineering, Vol.4,Issue 09,2015, ISSN:2320-3765
26.	Treena Paul ,Anna Mathew	Speed Control Of Induction Motor Using Model Reference Adaptive System And SVPWM With Zeta Converter	International Journal Of Engineering Research And Technology(IJERT) Vol.03,Issue 07,2015, ISSN:2321-0613
27.	Neethu Alexander, Roshan Noushad , Unnikrishnan L	Power Factor and Harmonic Issues in BLDC Motor Drive System	International Journal of Research and Management, Vol. 2, Issue 8, August 2015, ISSN 2349-2058.
28.	Shona Mathew , Ragam Rajagopal	Fused Converter Based Hybrid System Using Three State Switching Cell for High Power Applications	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 5, Issue 6, June 2016 ISSN: 2320 – 3765
29.	Tonsy Tony ,Ginnes K.John	Design, Modelling And Simulation Of a New Single Input Dual Output DC-DC-AC Converter Technique For Photovoltaic Systems	International Journal of Applied Engineering Research, Vol. 10, No. 88, 2015, ISSN 0973-4562

Academic Year-14-15

Sl.No	Name	Title of the paper	Organised by (Journals)
1.	Vijayalakshmi V. , Karthikeyan K B	Energy Efficient Multipurpose Robotic Manipulator Using Induction Motor	International Journal of Advanced Research in Electrical, Electronics & Instrumentation Engineering ISSN(Print):2320-3765 Aug 2014

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2.	Sunitha P. V., Caroline Ann Sam	Hardware Implementation of Single Phase AC to DC Matrix Converter as a DC Motor Drive	International Journal of Emerging Engineering Research and Technology, Vol 3, Issue 4, January 2015. ISSN(print):2349-4395
3.	Roshan Noushad, Shona Mathew, Unnikrishnan L	Speed Control Methods for BLDC Motor	International Journal of Research and Management”, Vol. 2, Issue 1, January 2015, ISSN 2349-2058.
4.	Shona Mathew, Roshan Noushad, Unnikrishnan L	An Overview on Energy Efficient Electric Drives	International Journal of Research and Management, Vol. 2, Issue 1, January 2015, ISSN 2349-2058
5.	Manu T .P., Jebin Francis	A Novel Fuzzy Vector Control Scheme for Three Phase Induction Motor	International Journal of Scientific and Engineering Research. ISSN:2229-5518 Aug 2014
6.	S. Krishnapriya, Tijina Treasa Ignatius, Unnikrishnan .L.	Effect of Temperature and losses in semiconductor devices used in automotive applications	International Journal of Engineering, research and technology, ISSN: 2278-0181, vol.3, Issue 10,Oct 2014.
7.	S. Krishnapriya, Tijina Treasa Ignatius, Unnikrishnan .L.	An Overview of DC to DC converters in PV applications	International Journal of Scientific and Engineering research, ISSN: 2229-5518, vol.5, Issue 10,Oct 2014

ANNEXURE 13**13.1 DEPARTMENT ASSOCIATION - ELUXTRA ACTIVITIES**

Academic Year (16-17)				
Sl.No	Date	Invitees	Topic	Purpose
1.	01/09/16	Mr.Sunil Paul,Director,Techjeeva Technologies Pvt. Ltd.	Role of Robotics in Engg. Education	On initiation of IEEE-IAS chapter
2.	31/09/16-01/10/16	Mr.Antu Dominic,TrueTek World,Angamaly	Electronic circuit design and PCB fabrication	One day Workshop
3.	25/11/16-26/11/16	Mr.Gokul Kumar, Pantech ProEd Pvt Ltd,Chennai	dsPIC with Power Electronics using MATLAB	FDP
4.	20/01/17	United NDT Training & Inspection Centre	Electrical Quality Control & Electrical Quality Assurance for Electrical Equipments	One Day Seminar

Academic Year (15-16)				
Sl. No.	Date	Invitees	Topic	Purpose
1	04-04-2016	Cdr. (Retd) K Shamsuddin Managing Director, Kerala Electrical and Allied Engineering Co. Ltd.	Inaugural Address	Talk
2	04-04-2016	Ms. Husna Mumtaz Asst. Executive Engineer,	Arc Flash Studies – Codes and Standards	Talk

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		Kaloor Substation.		
3	04-04-2016	Midhun Varghese, S4 EEE Sachin Johnson, S4 EEE	Robotic Arm with 6 Degrees of Freedom	Project Demo
4	04-04-2016	Jibin George, S6 EEE Midhun Joy, S6 EEE	Gravitational Waves, its Discovery and Future Prospects	Talk
5	28-04-2016	Principal, RSET & Mr. Balu Raveendran, Asst. Professor, AEI	Project Presentation & Poster Presentation	Project Demo
6	03-05-2016	Dr. K Soman General Secretary, Energy Conservation Society	Introduction to NEAC Programme	Talk
7	03-05-2016	Dr. B G Sreedevi President, Energy Conservation Society Director, NATPAC, Trivandrum	Presidential Address	Talk
8	03-05-2016	Er. C Jayaraman General Secretary, Society of Energy Engineers and Managers, Kochi	Energy Environment and Development	Seminar Presentation

Academic Year (14-15)				
Sl.No	Date	Invitees	Topic	Purpose
1.	12-02-15	Febin S Wilson, Jerry Jacob S6, EEE	Wireless Power Transmission	Talk
2.		Abdul Hadi, Justin Jose S3 IDAC, S4 EEE	A Novel Solar Powered Wheel Chair for Disabled	Talk and Demo

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3.		Adarsh A P S4 EEE	Control of Robotic Vehicle Using Android Application	Talk and Demo
4.		Vishnu Rajagopalan S6 EEE	Quiz Competiton	
5.	13-08-14	Mr. Ajith Nair MD-PACE Systems, Coimbatore, Tamilnadu	Emerging Trends in Industrial Drives and its Applications	Invited talk-Induction Programme for M.Tech Students
6.	14-08-14	Mr. Ginnes K John Asst. Professor, RSET	Design of Gate Triggering Circuits of the Thyristor	Technical talk-Induction Programme for M.Tech Students
7.		Mr. Ginnes K John, Ms Sreepriya R Asst. Professors, RSET	Simulation of Triggering Circuits	MATLAB Training-Induction Programme for M.Tech Students
8.	20-09-14	Principal –RSET Prof.Dominic Mathew Dept of AEI	Poster presentation and Project presentation	IEEE RSET Student branch & ELUXTRA-combined For M.tech-2014 Batch

OFFICE BEARERS OF ELUXTRA 2016-2017

Designation	Name of Student
President	Vysakh M (S7EEE)
Vice President	Kiran Maria Abraham (S7EEE)
Secretary	Joseph Paul (S5EEE)
Treasurer	Anupama Anilkumar (S5 EEE)
Members (Web Activity, Events, Hospitality)	Vibin Abraham Roy (S3 EEE) Lakshmi R Menon (S3 EEE)

Faculty Advisors: Ms. Renu George (Asst. Professor)

: Mr. Jebin Francis (Asst. Professor)

OFFICE BEARERS OF ELUXTRA 2015-2016

Designation	Name of Student
President	John Ealias, (S8 EEE)
Vice President	Madonna Raphael V, (S8 EEE)
Secretary	Vysakh M, (S6 EEE)
Treasurer	Kiran Maria Abraham, (S6 EEE)
Members (Web Activity, Events, Hospitality)	Joseph Paul, (S4 EEE) Anupama Anil Kumar, (S4 EEE)

Faculty Advisors: Ms. Renu George (Asst. Professor)

: Mr. Jebin Francis (Asst. Professor)

OFFICE BEARERS OF ELUXTRA 2014-2015

Designation	Name of Student
President	Vivek Shaji (S7 EEE)
Vice President	Anjana Sunilkumar (S7 EEE)
Secretary	Hiba Asharaf (S5 EEE)
Treasurer	Mohammed Ishan (S5 EEE)
Members (Web Activity, Events, Hospitality)	Manuel Tony (S3 EEE) Anjali Regi Isac (S3 EEE)

Faculty Advisors: Ms. Rinu Alice Koshy (Asst. Professor)

: Mr. Ginnes. K. John (Asst. Professor)

13.2 PROFESSIONAL SOCIETY ACTIVITIES

Academic Year 2016- 17					
Sl. No	Name	Event	Organization / Institution	Date	Position
1	IEEE PES Chapter (RSET)	Energy efficient dream home contest	EEE Dept , RSET with IEEE PES & Energy Management Centre (EMC)	1st October 2016	Contest
2	IEEE-IAS Students Chapter	Inauguration	RSET	1st September - 2016	Inauguration
3	Greeshma Rajeev	Paper Presentation	Kerala IEEE Technical Association IEEE SB LBS Institute for Women	21 st to 23 rd Oct 2016	second Prize
4	Anika Thomichen	Paper Presentation	Kerala IEEE Technical Association IEEE SB LBS Institute for Women	21 st to 23 rd Oct 2016	second Prize
5	Anika tomichan	Presentation	RoboRave India	5 th and 6 th Nov- 2016	Third
6	Greeshma Ranjeev	Presentation	RoboRave India	5th and 6 th Nov- 2016	Third
7	Greeshma Rajeev	WIE Star Volunteering Event	Govt. HSSS , Pallisery	6 th August 2016	Volunteer
8	Anika Thomichen	WIE Star Volunteering Event	Govt. HSSS , Pallisery	7 th August 2016	Volunteer

Academic Year 2015-2016					
Sl. No	Name	Event	Organisation / Institution	Date	Position
1	Libin Varghese	National Award for Best M.Tech Thesis	ISTE	27-29 November 2015	First
2	Greeshma Rajeev	International Women's day Celebrations	RSET	8 th March	Organized

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3	Aneeta Johnson	IEEE India Student and Young Professionals Congress 2015 , IEEE Kerala Section	RSET	7 th to 9 th august 2015	Volunteer
4	Riya Ramu	WIE Coordinator ,IEEE RSET Student Branch -STB 64831	RSET	21-Apr-16	Coordinator
5	Riya Ramu	IEEE Kerala Link Camp	St. Joseph College Pala	16 & 17 Jan 2016	Participated Camp
6	Vishnu Pradeep	IEEE Kerala Link Camp	RSET	27 th 28 th Feb 2016	participated
	Amarnath S	International Conference	IEEE Kerala Section , RSET	5 th September	participated
	Mohammed Ishan	International Conference	IEEE Kerala Section , RSET	5 th September	participated
7	Vishnu Pradeep	International Conference	IEEE Kerala Section , RSET	5 th September	participated
8	Riya Ramu	IEEE LINK FACE TO FACE	Toc H	21 st feb 2015	participated
9	Sidharth R S	Electrical System Design @ IEEE Technical Symposium 2015	Vimal Jyothi , kannoor	24 th to 25 th Aug 2015	Participated
10	Riya Ramu	Electrical System Design @ IEEE Technical Symposium 2016	Vimal Jyothi , Kannur	25 th to 25 th Aug 2015	Participated
11	Riya Ramu	Web maker , organized by IEEE Students branch	RSET	7 th feb 2015	Participated
12	Suryadev	Web maker , organized by IEEE Students branch	RSET	7 th feb 2015	Participated
13	Vishnu Pradeep	Web maker , organized by IEEE Students branch	RSET	7 th feb 2015	Participated

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14	Amarnath S	RENESAS NEONA RL 78 Design Contest	IEEE SB , RSET	April 26 th 2016	Participated
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Academic Year 2014-2015					
Sl. No	Name	Event	Organisation / Institution	Date	Position
1	Amarnath S	ISEE	Amrita Vishwa Vidyapeetham, Kollam	27 July, 2014	Participation
2	Sreelakshmi	ISEE	Amrita Vishwa Vidyapeetham, Kollam	27 July, 2014	Participation
3	Sigy varghese	ISEE	Amrita Vishwa Vidyapeetham, Kollam	27 July, 2014	Participation
4	Sreelakshmi A	Paper Presentation	Model Engineering College, Thrikkakara	25-09-2014	Participation
5	Sigy varghese	Paper Presentation	Model Engineering College, Thrikkakara	25-09-2014	Participation
6	Sigy varghese	Paper Presentation	Model Engineering College, Thrikkakara	25-09-2014	Third
7	John Alias	E Aventura	Model Engineering College, Thrikkakara	25-09-2014	First
8	Paul Saju	E Aventura	Model Engineering College, Thrikkakara	25-09-2014	First
9	Sankar M	E Aventura	Model Engineering College, Thrikkakara	25-09-2014	First
10	Sreelakshmi A	E Aventura	Model Engineering College, Thrikkakara	25-09-2014	First
11	Sreelakshmi A	Paper Presentation	Model Engineering College, Thrikkakara	25-09-2014	Third
12	Jomon Ranjan	Web maker workshop	RSET, Kakkanad	07-02-2015	Participation
13	Riya Ramu	Neona Design Contest	RSET, Kakkanad	26-04-2015	Participation
14	Amarnath S	Neona Design Contest	RSET, Kakkanad	26-04-2015	Participation