

**Department of  
Electrical & Electronics Engineering**  
KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE  
WARANGAL-15



5-Sep-2015

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**CHIEF EDITOR MESSAGE**

With great pleasure and honor I write this foreword. Indeed this newsletter is a testament to the department commitment in imparting quality education in academia. This encompasses a right balance between teaching & learning and very much inline with the mission and vision of the dept. This news letter will provide a glimpse of student achievement in academic year 2015-16

- P. VENUGOPAL RAO.

**Vision & Mission of the Department :**

**Vision :**

- To fulfill the needs of the Industry and society through excellence in education and research in electrical engineering.

**MISSION :**

- To produce globally competent engineers in Electrical and Electronics Engineering.

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- To promote scientific inclination and cultivate professional ethics.
- To serve organization and society as adaptable engineers, entrepreneurs or leaders.

**Program Educational Objectives (PEOs) in B.Tech in Electrical & Electronics Engg. course::**

**PEO1 :** Choose their careers as practicing engineers ready for modern electrical power and energy industry.

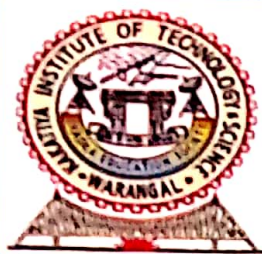
**PEO2 :** Engage in lifelong learning, career enhancement and adapt to changing professional and societal needs

**PEO3 :** To produce graduates with perspective for environmental issues by building the awareness of green and sustainable energy technologies.

**PEO4 :** To produce graduates with problem solving culture through familiarization with the state-of-art facilities in Electrical and Electronics engineering laboratories.

**Program Outcomes (POs) in B.Tech in Electrical & Electronics Engg. course:**

Program Outcomes	Engineering Graduates will be able to
PO1 Engineering knowledge	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2 Problem analysis	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, an engineering sciences.
PO3 Design/development of solutions	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4 Conduct investigations of complex problems	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5 Modern tool usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling complex engineering activities with an understanding of the limitations.



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- PO6** The engineer and society  
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7** Environment and sustainability  
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8** Ethics  
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
- PO9** Individual and team work  
Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10** Communication  
Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11** Project management and finance  
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12** Life-long learning  
Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

**PROGRAM SPECIFIC OUTCOMES (PSOs) OF B.TECH IN ELECTRICAL & ELECTRONICS ENGG. COURSE:**

- PSO1** The Electrical and Electronics Engineering graduates are capable of applying the knowledge of mathematics and sciences in modern power industry.
- PSO2** Analyze and design efficient systems to generate, transmit, distribute and utilize electrical energy to meet social needs using power electronic systems.
- PSO3** Electrical Engineers are capable to apply principles of management and economics for providing better services to the society with the technical advancements in renewable and sustainable energy integration
- PSO4** Practice professional ethics and work in a team and communicate to keep abreast of latest developments to achieve project objectives for the betterment of the society.

**Student Activities :**

1. Inauguration
2. Debate on Current Affairs and Social Issues
3. Quiz
4. Singing Competition

5. Dancing Competition
6. Seminar on "Modeling and simulation using MATLAB
7. Singing Competition
8. Dancing Competition
9. Teachers Day Celebrations
10. Project and Poster Presentation
11. PPT presentation
12. Mock Interview

**Association Details :**

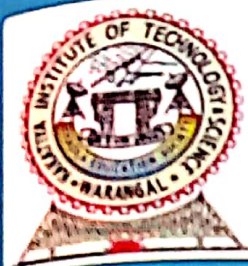
1. Mohd. Muqtada hussian (IV/IV) - Student president
2. V.Deepika(IV/IV) - General secretary
3. K.S.P.Balaji (III/IV) - Joint secretary
4. C.Akshitha(III/IV)-Joint secretary
5. S.Bharath Kumar(III/IV)-Executive Member
6. Ch.Rohith (III/IV)-Executive Member
7. N.Dileep Rao (III/IV)-Executive member
8. M.Priyanka (III/IV)-Executive member
9. A.Hemalatha (III/IV)-Executive member

**Faculty Publications :**

S. No.	Details	National / International	Total
1	Publications in Conference proceedings	23	23
2	Publications in refereed Journals	27	27
<b>Total</b>			<b>50</b>

**Some of the Publications of faculty :**

1. Namani Rakesh, VenkataMadhavaram.T, K. Ajith, G. RajendraNaik and P. Nagarjun Reddy; "A New Technique to Enhance Output Power from Solar PV Array under Different Partial Shaded Conditions";IEEE International Conference on ElectronDevices and Solid State Circuits 2015, Singapore.
2. Namani Rakesh, VenkataMadhavaram.T, K. Ajith, G. RajendraNaik and P. Nagarjun Reddy; "A New Technique to Enhance Output Power from Solar PV Array under Different Partial Shaded Conditions";IEEE International Conference on Electron Devices and Solid State Circuits 2015, Singapore.
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4. K. Ajith "Improved Power Quality Control Strategy for Distributed Generation" in International Conference on Smart Electric Grid (ISEG), 2014 (IEEE Xplore) ISBN: 978-1-4799-4104-9 KL University, Guntur, A.P. 19th & 20th September 2015.

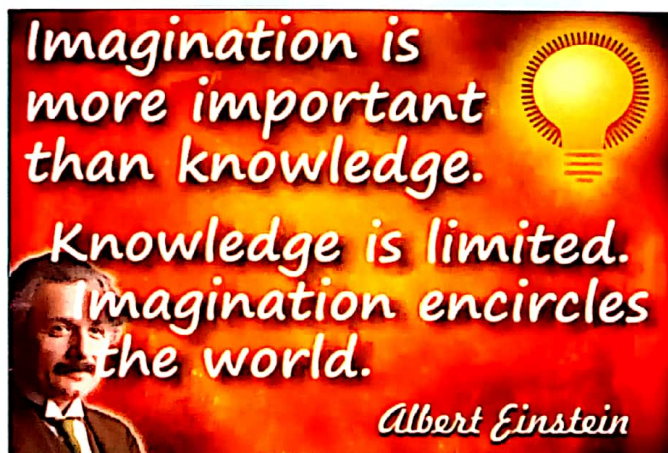
**Details of STTPs/ FDPs/ Workshops attended by the faculty conducted outside the Institute**

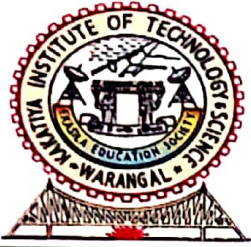
S.No	Name of the Faculty	STTP/FDP/ workshop # /others	Details@	Venue
1	Prof. V. Ramaiah	FDP	Entrepreneurship Development	Organization DST, Govt. of India, Ministry of MSME, Govt. of India
2	Sri N. Rakesh	FDP	Entrepreneurship Development	Organization DST, Govt. of India, Ministry of MSME, Govt. of India
3	Sri N. Rakesh	FDP	Control Systems	ISTE-MHRD, Govt. of India, IIT, Kharagpur, India
4	Sri G. Sunil Kumar	STTP	Power Quality Issues and Its Mitigation in Smart/Micro Grid Systems (PQIMSMG)	Coimbatore Institute of Technology, Coimbatore, Warangal



**Details of STTPs/ FDPs/ Workshops attended by the faculty conducted outside the Institute**

S. No.	Roll No.	Sur Name	Name of the student	Company 1
1	12016T1209	Sruthi Baskara	EEE	CTS
2	12016T1213	Gajulapati Rajesh khanna	EEE	TCS
3	12016T1216	Mettu Sharath	EEE	TCS
4	12016T1220	Sri Harsha Vadde	EEE	TCS
5	12016T1221	Mythri Achha	EEE	TCS
6	12016T1222	Deepika Veldi	EEE	TCS
7	12016T1228	Tejaswini Pingili	EEE	TCS
8	12016T1230	Musthyala Harish	EEE	TCS
9	12016T1231	Jani Shaik	EEE	TCS
10	12016T1232	Nadipally Dileep Rao	EEE	TCS
11	12016T1236	Juveria Tarannum	EEE	Global Edge
12	12016T1242	Pradeep Kumar T	EEE	TCS
13	12016T1249	Pavan Kondidala	EEE	TCS
14	12016T1253	Soumya Oruganti	EEE	TCS
15	12016T1255	Nikhitha Addagarla	EEE	TCS
16	12016T1257	Sravani Kandibanba	EEE	Value Lab
17	12016T1260	T. Shashikanth Reddy	EEE	TCS
18	12016T1263	Mohammed Muzalle Biyabani	EEE	TCS
19	12016T1266	Vikas Nimmagadda	EEE	TCS
20	12016T1271	Kammisetty Vyshnavi Saisree	EEE	TCS
21	12016T1277	Anoohya Kuchanapalli	EEE	TCS
22	12016T1278	Mani Shankar Kulkarni	EEE	TCS
23	12016T1294	Chiliveri Aditya Kumar Srinivas	EEE	Mu Sigma
24	12016T1296	M. Tulasi	EEE	TCS
25	12016T1298	Divya Bhavya	EEE	TCS
26	12016T1303	Kavya Padma	EEE	Mind Tree
27	12016T1305	Areddy Akhil Reddy	EEE	Value Lab
28	12016T1307	Nellutla Sindhu	EEE	TCS
29	12016T1310	Shanthan Kandula	EEE	TCS
30	12016T1312	Kumar Kamalla	EEE	TCS
31	12016T1315	Penumuchu Mamatha	EEE	TCS
32	13016T1322L	Mohammed Hussain	EEE	TCS





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