

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



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**CHIEF EDITOR MESSAGE**

With great pleasure and honour I write this foreword. Indeed, this newsletter has lot to look forward. I would like to offer a word of thanks to our readers, our contributors, and our editorial board for their support of the journal and its mission: to improve the quality of technical education to the students This newsletter will provide a glimpse of student achievement in academic year 2016-2017.

**-V. RAMAIAH.**

**VISION & MISSION OF THE DEPARTMENT:**

**VISION**

- To fulfil the needs of the industry and society through excellence in education and research in electrical engineering.

**MISSION:**

1. To produce globally competent engineers in Electrical and Electronics Engineering.
2. To promote scientific inclination and cultivate professional ethics
3. To serve organization and society as adaptable engineers, entrepreneurs or leaders.

**Program Educational Objectives (PEOs):**

- 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): 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 analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and 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 modelling to complex engineering activities with an understanding of the limitations.
- 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.



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- 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):

- PSO1** The Electrical and Electronics Engineering graduates are capable of applying the knowledge of mathematics and sciences in modern power industry.
- PSO2** Analyse 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. QSeminar on "Modelling 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. President: M. Sai Ratna
2. Vice president: V. Naveen
3. General Secretary: V. Ratnamani
4. General Secretary: Vemula Akhil
5. Joint secretary: Mohd Nehaz Hussain
6. Joint secretary: S. Shravya Reddy
7. Treasurers: D. Sai Chetan & B. Sarika
8. Event Managers: D. Gayathri, G. Akhil, G. Shiva Krishna, K. Sai Charan

### Conducted Events:

Name of the Event	Interaction with placed seniors
Date	10.04.2019
No of Students present	68
Description (250 - 500 words)	This was an interaction session with the placed seniors to get inputs from them and to know their experiences while they were trying to get themselves placed in prestigious firms. The students asked their doubts and got tips from the seniors on how to ace the placement opportunities. Seniors have shared their valuable experiences which inspired and made the juniors to follow their mantra of success.
Response of students	The response from the students was impressive and a total of 68 members which included students from III year and II year from both EEE-I and EEE-II section have attended the association, took active participation and the main objective of organising the activity of spreading the awareness about the placements was satisfactorily fulfilled.
Organizing team	<ol style="list-style-type: none"> <li>1. Sai Ratna (President)</li> <li>2. V. Naveen (Vice President)</li> <li>3. V. Ratnamani (General Secretary)</li> <li>4. V. Akhil (General Secretary)</li> </ol>



IV/IV B.Tech EEE-I students with Faculty members of EEE Department



IV/IV B.Tech EEE-II students with Faculty members of EEE Department



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### No. of students placed On campus/Govt. sector:

S. No.	Name of the Student	Roll No.	Name of the Company
1	Pochana Manoj Kumar	B15EE120	Red Carpet, TOPPR COMPANY
2	P Venkatesh Prasad Yadav	B15EE005	Red Carpet
3	Devasani Srilekha	B15EE104	Wipro
4	Devasani Srilekha	B15EE104	Attrra Infotech Pvt.Ltd
5	Jadi Naveen Kumar	B16EE138L	Sirpur Paper Mill
6	Ankam Sairam	B15EE016	Sirpur Paper Mill
7	K Aravind Rao	B15EE027	LORVEN Organization
8	Purushotham Venkatesh	B15EE071	TOPPR COMPANY
9	Afreeda Shirren	B15EE085	Value Momentum
10	Shiva Sai Siddharatha	B15EE090	Value Momentum
<b>Government Sector</b>			
11	Mohmed Amjad	B16EE137L	NPDCCL
12	Konda Vamsi	B16EE142L	NPDCCL
13	Kommu Sravani	B16EE121L	NPDCCL
14	Gaddam Gangaraju	M18PE011	NPDCCL

### Higher Education details:

Sl. No	Roll.No	Name of the student	H.E details	Rank
1	B15EE064	R. Srikanth	GATE	19898
2	B15EE104	D Srilekha	GATE	19898
3	B15EE034	B.Mangilal	GATE	29304
4	B15EE021	J Punnam chander	GATE	27986
5	B15EE045	G.Sai kishore	GATE	11577
6	B15EE001	V.Ratnamani	MS(University of Houston)	--

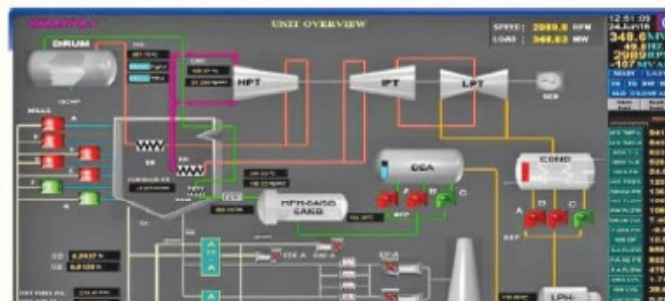
**Two Weeks Intensive Training Programme at Centre of Excellence for Training and Development, Kothagudem Thermal Power Station (KTPS), Paloncha during 10th June, 2019 to 22nd June, 2019:**

### Faculty Coordinators of the Programme:

Sl.No.	Name of the Faculty	Designation
1.	Dr. K. ASHOKA REDDY	Principal, KITSW
2.	Prof. V. RAMAIAH	Professor & Head, EEED and Professor, In-charge, IIIC
3.	Sri G. SUNIL KUMAR	Asst.Prof., Dept. of EEE
4.	Sri K . AJITH	Asst.Prof., Dept. of EEE

The Two Weeks Intensive Training Programme is initiated as part of the MoU between Industry Institute Interaction Cell (IIIC) of Kakatiya Institute of Technology & Science, Warangal and Centre of Excellence for Training and Development (CETD), TSGENCO, Paloncha for the purpose of enriching the technical education process and for continuous interaction between Industry and Institution during 10th June, 2019 to 22nd June, 2019.

In order to expose the students to the real time industrial practices to develop the skills in the area of Power Generation Sector to reduce the gap between Academic knowledge and real time industrial expertise and comply as per the regulations of AICTE mandatory internship regulations 2018, Two weeks Intensive Training Programme is planned for Electrical and Electronics Engineering Students from 10.06.2019 to 22.06.2019 at Kothagudem Thermal Power Station (KTPS), Paloncha. The 57 students were selected from B.Tech. II/IV Year Department of Electrical & Electronics Engineering to attend Two Weeks Intensive Training Programme.



Over view of THERMAL POWER PLANT



400 KV SWITCH YARD



UNIT CONTROL BOARD



Bichanna Garu, CE,CETD addressing the Valedictory session



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**Students and Engineers during the Valedictory session**



**Feedback by the students in the Valedictory session**



**UNIT CONTROL BOARD**



**Certificate Ceremony to the winners during the competitions during the Intensive programme**



**Group Photograph with the students along with EEE faculty members and Engineers**

**One day visit to Kothagudem Thermal Power Station (KTPS), Paloncha on 23.03.2019:**

**Tour accompanied by:**

S.No	Name of the Faculty	Designation
1.	Prof. V. Ramaiah	Professor & Head
2.	Smt. Y. Manjusree	Asst. Professor
3.	Sri. K. Harish	Asst. Professor

As a part of Industry Institute interaction one day Industrial Visit was planned for the Students of III/IV B.Tech, II-semester EEE to Kothagudem Thermal Power Station (KTPS). The Department of Electrical and Electronics Engineering, arranged Industrial visit on 23/03/2019, 55 students of Electrical and Electronics Engineering department from Kakatiya Institute of Technology and Science, Warangal visited KTPS in Paloncha.

The students were accompanied by two faculty members Sri. K. Harish, Asst. Prof, EEE dept. and Smt. Y. Manjusree, Asst Prof, EEE dept. under the guidance of Prof. V. Ramaiah, HOD, EEE dept. The students visited Kothagudem Thermal Power Station stage VI (1 X 500 MW) unit. Kothagudem Thermal Power Station is located at Paloncha in Telangana, India. The power plant has an installed capacity of 1,720 MW with 11 units in operation. It is one of the coal-based power plants of Telangana Power Generation Corporation Limited (TSGENCO).



**Group Photograph at Entrance of Stage V & Stage VI of the plant**

**RESEARCH PUBLICATIONS DURING 2018-2019:**

S. No.	Details	National / International	Total
1	Publications in Conference proceedings	08	08
2	Publications in refereed Journals	16	16
3.	Publication of Books/Book Chapters	03	03
		<b>Total</b>	<b>27</b>