



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



**VOLUME - IV
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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: **D.Varun**
2. Vice president: **M.Abhilash**
3. General secretary: **S.Saicharan**
4. General secretary: **R.Sriphani**
5. Joint secretary: **V.Ratnamani**
6. Joint secretary: **V.Naveen**
7. Executive members: **V.Vineethreddy**
8. Executive members: **M.Sairatna**

No. of students placed on campus:

S. No	Name of the Student	Roll No.	Name of the Company
1	Nithin Vasalamari	B14EE007	Pole to Win, DXC Technology
2	Farhath Banu	B14EE014	ICICI Bank
3	Somajohassula Salkashyap	B14EE021	Ospiders, Pole to Win
4	Chowdam Gopi	B14EE022	Bibox
5	Pettam Venkat Sai Arjun	B14EE023	ASG Technologies
6	Samula Tarun Venkatesh	B14EE068	Vem Technologies
7	Aitha Tejaswi	B14EE074	Ospiders
8	Kuthuru Sharvani	B14EE075	Infosys
9	Ajay Polusani	B14EE076	Infosys
10	Narsingoju Vijay Krishna	B14EE082	Cyient Limited
11	Deva Akhil	B14EE087	RAMTech Corp
12	Md Althamash Tamjeed	B14EE090	RAMTech Corp.
13	Mahadevuni Harshavardhan	B14EE094	RAMTech Corp.
14	Madarapu Akhil	B14EE097	Infosys
15	Gopu Meghanath Reddy	B14EE102	Infosys
16	U.Rohith Sharma	B14EE105	MuSigma
17	Muniganti Abhilash	B14EE116	Just Dial
18	V. Vineeth Reddy	B15EE122L	ZenQ
19	P. Sudeshna	B15EE123L	Medha Servo Drives
20	D. Varun	B15EE127L	Vem Technologies
21	A.Srija	B14EE031	Dxc Technology
22	S.Sai Kiran	B14EE017	Infosys
23	Kaleem Pasha	B14EE064	Sonata
24	A.Shivani Reddy	B14EE093	Mahendra & Mahendra
25	A.Tejaswini	B14EE074	Capgemini

No. of students placed off campus:

S. No.	Name of the student	Roll Number	Name of the company
1.	Farhath Banu	B14EE014	ICICI Bank
2.	A.Shivani Reddy	B14EE093	Mahindra & Mahindra

No. of students opted/enrolled for Higher Studies:

(i) GATE Ranks:

S.No.	Name of the student	Roll Number	GATE Percentile/rank	Appeared in the Year
1.	L.Sai Chander Reddy	B14EE010	946	2018
2.	P.Venkata Sai Arjun	B14EE023	8936	2018
3.	V.Nikhitha	B14EE073	15607	2018
4.	Aitha Tejaswi	B14EE074	15607	2018
5.	D.Deekshith Kumar	B14EE080	19124	2018
6.	N.Vijay Krishna	B14EE082	10109	2018
7.	D.Vamshi Krishna	B14EE108	12373	2018



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(ii) GRE / IELTS/TOEFL score:

S.No.	Name of the student	Roll Number	GRE / IELTS/ TOEFL
1.	M.Jayanth	B14EE003	IELTS
2.	P.Siri	B14EE058	IELTS
3.	M.Sandeep Reddy	B14EE069	GRE

Students visits to Industries during 2017-18:

S.No.	Name of the Class	Visited Industry & Location	Dates	Purpose#
1.	IV/IV B.Tech. EEE - I & II	Srisailem Left Bank Power House, Telangana	16.03.2018 to 19.03.2018	Industrial Visit

Significant events of the year, if any (write in brief):

(i) Student Workshop:

As part of Sumshodhini'17 (Version 2.0), Department of Electrical & Electronics Engineering has organized various technical events like Techtrix, Paper, Poster & Project Presentation, Electronics Hobbyist Workshop, Witricity, Techquiz, Techzibits.

(ii) Guest Lectures:

The department has organized awareness programme on Career Opportunities

One day visit to 400/220KV Substation, Power Grid Corporation of India Ltd (PGCIL), Ogulapur, Warangal on 23.03.2018:

Tour organised for B.Tech III/IV EEE-I and II

EEE-I	40 Students
EEE-II	50 Students

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
4.	Dr. A. Rajashekar	Asst. Professor
5.	Sri. V. Srinivas	Asst. Professor



Dr.Y.Manohar, Director,KITSW addressing Workshop participants and organizers



Workshop participants during inauguration



Group Photo with HOD of EEE, Faculty Coordinators and Student coordinators along with workshop team



The HoD of EEE, presenting a Bouquet to the PGCIL Personnel accompanied the Faculty



Transformer at the Substation



Students of EEE during the demo session by PGCIL Personnel



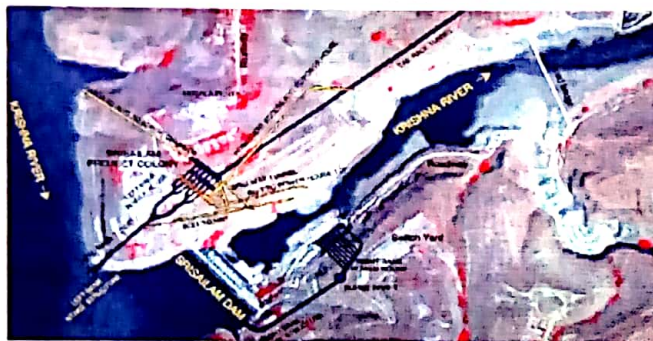
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The Group Photo of IITV B.TechEEE(I & II) at 400KV Power Grid Corporation of India Ltd. Substation at Ogulapur, Warangal

PHOTOGRAPHS DURING THE SRISHAILAM TOUR:



Facility Configuration of Srisailem Left Bank Pumped Hydropower Station



Group Photo at SRISAILAM LEFT BANK POWER HOUSE

STTP/Conferences/Workshop/seminar/ symposium Attended by the Faculty:

S. No.	Name of the Faculty	STTP/FDP/Workshop # /Others	Details	Venue	Duration & Dates
1	Prof. V.Ramaiah	Workshop	Workshop on Effective Teaching & Learning of Smartgrid and Microgrid Technologies	NIT Warangal	4 th Dec to 8 th Dec 2017
		FDP	FDP on Challenges and advances in Renewable Energy Sources	KITS, Huzurabad	6 th Nov, 2017 to 10 th Nov, 2017
2	Dr.C.Venkatesh	Workshop	Workshop on Effective Teaching & Learning of Smartgrid and Microgrid Technologies	NIT Warangal	4 th Dec to 8 th Dec 2017
3	Sri M.Narasimha Rao	FDP	FDP On High Voltage Gain soft Switching Advanced Current led Technologies for Microgrid and electric Transportation	OU, Hyd	18 th Dec to 23 rd Dec, 2017
			Resonant Converters and Applications	NIT Warangal	2 nd July 2018 to 6 th July 2018
4	G.Rajender	FDP	FDP on Challenges and advances in Renewable Energy Sources	KITS, Huzurabad	6 th Nov, 2017 to 10 th Nov, 2017
5	B.Jagadish Kumar	Workshop	Workshop on Effective Teaching & Learning of Smartgrid and Microgrid Technologies	NIT Warangal	4 th Dec to 8 th Dec 2017
		FDP	FDP on Challenges and advances in Renewable Energy Sources	KITS, Huzurabad	6 th Nov, 2017 to 10 th Nov, 2017
6	Sri P.Nagarajuna Reddy	FDP	FDP on Challenges and advances in Renewable Energy Sources	KITS, Huzurabad	6 th Nov, 2017 to 10 th Nov, 2017

7	Dr.G.Rajender Naik	FDP	FDP on Challenges and advances in Renewable Energy Sources	KITS, Huzurabad	6 th Nov, 2017 to 10 th Nov, 2017
8	Smt.T.Swetha	FDP	FDP On High Voltage Gain soft Switching Advanced Current led Technologies for Microgrid and electric Transportation	OU, Hyd	18 th Dec to 23 rd Dec, 2017
		FDP	FDP On Renewable energy Management and Advanced techniques for sustainable future	SREC, Warangal	27 th Nov to 9 th Dec 2017
9	Sri C.Pavan Kumar	FDP	FDP on Challenges and advances in Renewable Energy Sources	KITS, Huzurabad	6 th Nov, 2017 to 10 th Nov, 2017
		FDP	FDP On High Voltage Gain soft Switching Advanced Current led Technologies for Microgrid and electric Transportation	OU, Hyd	18 th Dec to 23 rd Dec, 2017
			Resonant Converters and Applications	NIT Warangal	2 nd July 2018 to 6 th July 2018
10	Sri K.Ajith	FDP	FDP on Quality Assurance in Higher Educational Institutions and Industries	KITS, Warangal	19 th July to 23 rd July, 2017
		Short Term Course	One Week Short Term Course on Power Electronic System Design and Applications	Coimbatore Institute of Technology, Coimbatore	4 th June, 2018 to 10 th June 2018
11	Sri T.Praveen Kumar	FDP	FDP on Quality Assurance in Higher Educational Institutions and Industries	KITS, Warangal	19 th July to 23 rd July, 2017
12	Sri K.Hansh	Workshop	Workshop on New Pedagogic Techniques in Technical education	NIT Warangal	23 rd Feb, 2018 to 3 rd March 2018
13	Dr.B.Vijay Kumar	Workshop	Workshop on Effective Teaching & Learning of Smart grid and Micro grid Technologies	NIT Warangal	4 th Dec to 8 th Dec, 2017
14	Smt.Y.Manju Sree	FDP	FDP On Renewable energy Management and Advanced techniques for sustainable future	SREC, Warangal	27 th Nov to 9 th Dec 2017
15	Dr.D.Rakesh Chandra	Workshop	Workshop on Effective Teaching & Learning of Smart grid and Micro grid Technologies	NIT Warangal	4 th Dec to 8 th Dec 2017
		Workshop	Workshop on New Pedagogic Techniques in Technical education	NIT Warangal	23 rd Feb, 2018 to 3 rd March 2018
16	Sri G.Sunil Kumar	Short Term Course	One Week Short Term Course on Power Electronic System Design and Applications	Coimbatore Institute of Technology, Coimbatore	4 th June, 2018 to 10 th June 2018
		FDP	Programme on Solar PV Systems	GVPC Vishakapatnam	25 th June, 2018 to 30 th June, 2018
17	Sri V.Prakash	Workshop	Workshop on New Pedagogic Techniques in Technical education	KITS, Wgl.	26 th Feb, 2018 to 3 rd March, 2018
18	Dr.A.Madhukar Rao	Workshop	Workshop on New Pedagogic Techniques in Technical education	KITS, Wgl.	26 th Feb, 2018 to 3 rd March, 2018
19	Dr.A.Rajasekhar	Workshop	Workshop on New Pedagogic Techniques in Technical education	KITS, Wgl.	26 th Feb, 2018 to 3 rd March, 2018

Details of expert lectures delivered by the faculty inside & outside the institution during 2017-18:

S.No	Name of the faculty	Expert lecture delivered	Venue
1.	Prof.V.Ramaiah	Solar Energy Entrepreneurship & Challenges and Opportunities in India	KITS, Singapuram, Huzurabad
2.	Dr.A.Madhukar Rao	AICTE sponsored FDP on REMATSF	SR Engineering College, Warangal
		FDP on Recent trends in electrical engineering	SVEC, Bhimvaram

Faculty visits to Industries during 2017-18:

S.No	Name of the faculty	Visited Industry & location #	Dates	Details including purpose
1.	Smt.T.Swetha Asst.Prof.	Srisailem Left Bank Power House, Telangana	16.03.2018 to 19.03.2018	Industrial Visit
2.	Dr.A.Rajasekhar Asst.Prof.	Srisailem Left Bank Power House, Telangana	16.03.2018 to 19.03.2018	Industrial Visit
3.	Sri G.Sunil Kumar Asst.Prof.	Srisailem Left Bank Power House, Telangana	16.03.2018 to 19.03.2018	Industrial Visit

Awards, if any, received by the faculty/staff: 01

1.	Dr.A. Madhukar Rao	2017	Best Research Scholar Award	Institution of Engineers & Govt. of Telangana
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