



E NEWS LETTER

SREE DATTHA INSTITUTE OF ENGINEERING AND SCIENCE

SHERIGUDA, IBRAHIMPATNAM -501510

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Newsletter committee

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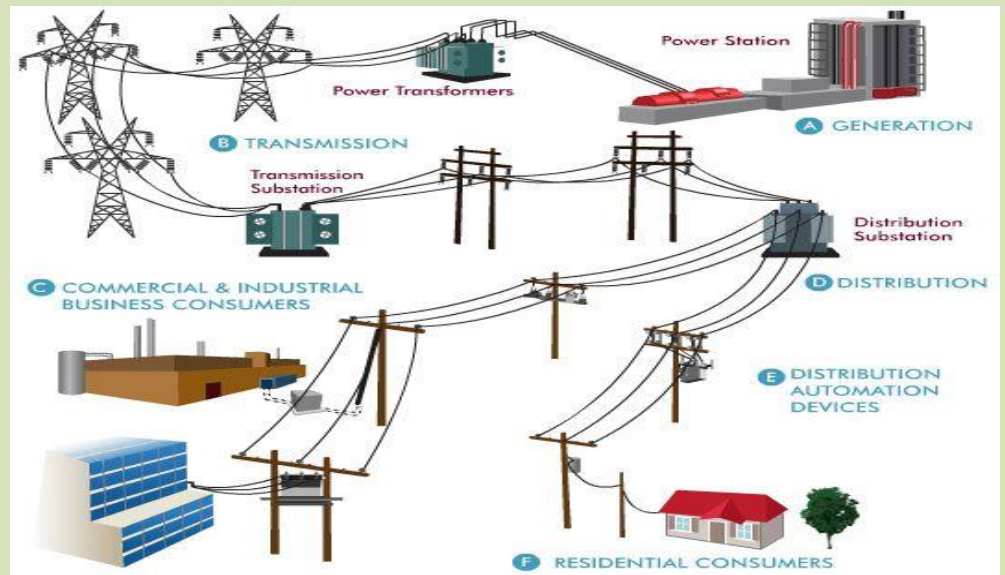
1. Kumavat Sharvanlal. IV year
2. Penta Thanuja , III year

Upcoming Event:

1. VIDYUTH TARANG-2K19 Freshers
2. INFINITY-2K19 Technical fest
3. VIDAYAH-2K19 Farewell day

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VISION OF THE DEPARTMENT

Become a centre of excellence in Electrical and Electronics Engineering to build quality teaching and research environment with human values

MISSION OF THE DEPARTMENT

Promote Industry collaborated research to provide sustainable engineering solutions

Impart Quality education and Research practices for societal needs

Promote activities to develop communication, leadership, Professional skills with values and ethics among stake holders

Program Educational Objectives:

Graduates of UG EEE program will be able to

- I. Apply mathematical, scientific and engineering fundamentals to solve engineering problems and pursue higher studies.
- II. Analyse, design, create novel products and sustainable solutions for the real-life problems with continuous learning
- III. Exhibit the professional and ethical attitude, effective communication skills, inter personal skills to relate engineering issues to broader social context.

The Program Outcomes of UG in Electrical & Electronics are:

POs describe what students are expected to know or be able to do by the time of graduation from the program. The Program Outcomes of UG in Electrical & Electronics are:

1. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. 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, give and receive clear instructions

11. Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. 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

FROM DIRECTORS's DESK

Electrical and Electronic Engineering is an exciting and dynamic field. Electrical engineers are responsible for the generation, transfer and conversion of electrical power, while electronic engineers are concerned with the transfer of information using radio waves, the design of electronic circuits, the design of computer systems and the development of control systems such as aircraft autopilots. These sought-after engineers can look forward to a rewarding and respected career.

Prof. MD. SAMEERUDDIN KHAN
Director, SDES



FROM HOD's DESK

The Department of Electrical and Electronics Engineering (EEE) was started in the year 2002 in this college. The Department offers instruction in subjects relating to Electrical and Electronics Engineering. Students are exposed to the practical and industrial aspects of the subjects through Laboratory works, periodic Industrial visits, and seminars by experts, etc. The Students are encouraged to participate and present papers in both State and National level Technical Seminars.

Dr. M.SANDEEP REDDY
Head of the Department



STUDENTS ACHIEVEMENTS:

- R Shiva Prasad and his team won first prize for “fault current interruption by DVR” in ADVAYA-2K19 held at VJIT.

A project by Mr. R Shiva Prasad, Ms. Mamatha and Mr. Srikanth students of III EEE entitled “Over voltage and under voltage protection”



Placements: 2018

We congratulate the following students of EEE Department, who got placed in various companies till now.

S. No.	Name of the student	Enrollment no.	Name of the Employer	Appointment letter reference no. with date
1	ADITYA MISHRA	14E41A0207	Wanes Technologies Pvt Ltd	WANETECH/2018/RF/1082 Date: 08/01/2018
2	K. SRIKANTH	14E41A0212	Wanes Technologies Pvt Ltd	WANETECH/2018/RF/1084 Date: 08/01/2018
3	K. SWAMY	15E45A0201	Wanes Technologies Pvt Ltd	WANETECH/2018/RF/1085 Date: 08/01/2018
4	B. NARESH	15E45A0202	Wanes Technologies Pvt Ltd	WANETECH/2018/RF/1090 Date: 08/01/2018
5	V. SHIVA KUMAR	15E45A0208	DELISIS INFORMATICS PVT LTD	DEI/2018/1133 Date:20/04/2018

6	J. SRAVANI	15E45A0209	DELISIS INFORMATICS PVT LTD	DEI/2018/1136 Date:20/04/2018
7	L. KARUNAKAR	15E45A0211	DELISIS INFORMATICS PVT LTD	DEL/2018/1135 Date:20/04/2018
8	M. MAHESH	15E45A0212	AARVI Encon Pvt Ltd	AARM/2018/1545 Date:12/03/2018
9	K. LIKHITHA	15E45A0218	DELISIS INFORMATICS PVT LTD	DEI/2018/1132 Date:20/04/2018
10	V. SRINIVAS	15E45A0219	AARVI Encon Pvt Ltd	AARM/2018/1548 Date:12/03/2018
11	S. MALLAIAH	15E45A0220	AARVI Encon Pvt Ltd	AARM/2018/1550 Date:12/03/2018
12	S. GAJENDER	15E45A0221	AARVI Encon Pvt Ltd	AARM/2018/1551 Date:12/03/2018

STAFF PUBLICATIONS:

- Dr. M. Sandeep, “Grid connected Solar Inverter with improved Inc MPPT Method”, International Journal of Advanced Technology and Innovative Research (IJATIR), ISSN: 2348-2370 Volume 11, Issue-07, July 2019.
- Dr. Abdullah Umar, “An Integrated Hybrid Power Supply for Grid- Connected Wind- PV System”, ISSN: 2348-2370, July 2019.
- Ms.B. Jyothi, “A Closed Loop Control of Hybrid Cascaded Multilevel Inverter Using Fundamental Modulation” International Journal of Advanced Technology and Innovative Research (IJATIR), ISSN: 2348-2370 Volume-11, Issue-07, July 2019

SEMINARS/FDP/LECTURES/TRAINING PROGRAMS ORGANISED

A two day National Level workshop on “Professor of practice collaboration with TASK” on 30 & 31st Jan, 2019 by Prof. Siraj TASK



Guest Lectures:

A Guest lecture conducted on “Recent Advances in FACTS Devices” by Dr. R. Durga Rao Prof. & Head JNTUCEM on 18/09/2018.



Robotics and Mobile making workshop:

- A Two day national level workshop conducted on Robotics and Mobile making by Master Minds Technical Solutions from 14/02/2019 to 16/02/2019.

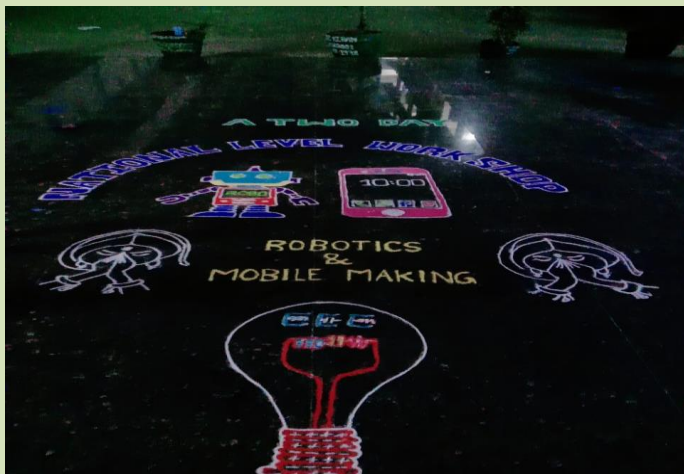


Photo Gallery:

IDEATHON-2019:



VIDYUTH TARANG-2K19 Freshers:



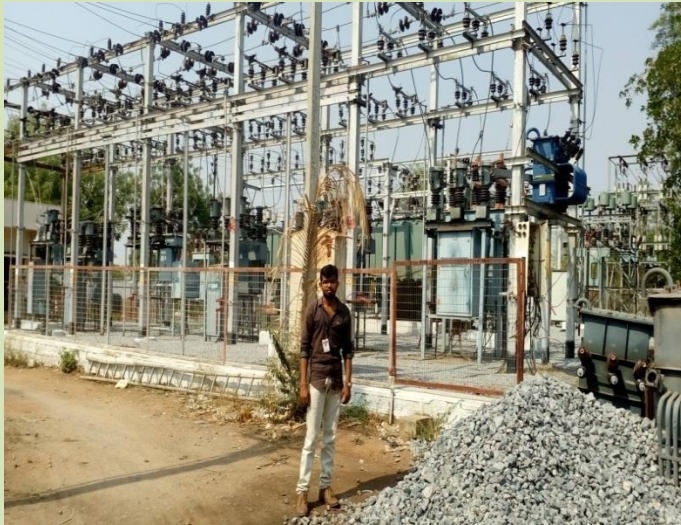
Extra Co curricular Activities:
Bathukamma Celebrations



IN-PLANT TRAINING UNDERWENT

Students from III EEE visited the 132/33kV substation located at Ibrahimpatnam and Srishailam power plant. The technical staff members in receiving station, taken the students to switchyard and explained the operation of various switching equipments and SCADA operation. This visit is very much useful for students.

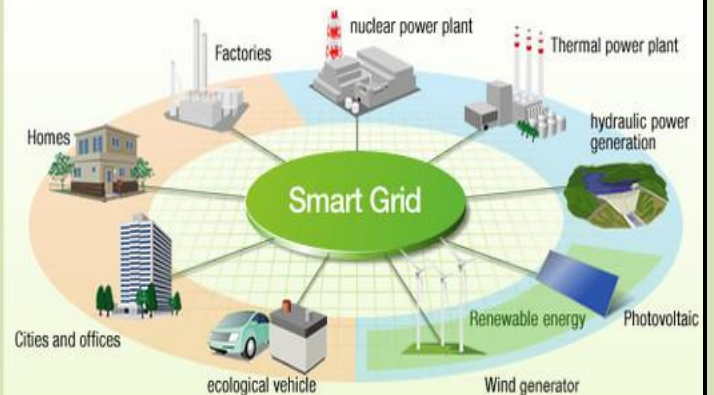




RECENT ELECTRICAL SCIENCE INVENTIONS

Smart Electrical Grids

As energy systems become more complex and energy sources become more diverse, smart grids are growing in importance worldwide. Smart grids integrate innovative electrical technology at multiple levels to improve flow control, detect malfunctions, and automate service delivery. With end-to-end communication between power plants, distribution sites, and the end user's electrical point-of-presence, it becomes possible to raise efficiency and reduce costs.



High Efficiency Photovoltaic Cells

One of the enduring challenges of modern electrical engineering is to find an implementation of photovoltaic technology that is efficient, effective under varying operating conditions, and highly resistant to damage – while not being cost-prohibitive. Different engineering approaches have been used to raise collection and distribution efficiency, though perovskite-based cells have recently captured the most attention at major research facilities.

