

## FACULTY PORTAL

### Research Papers Published by Faculty :

- Mrs. Akanksha Mishra, Assoc.Prof-“*A line utilization contingency distribution index based secured operation of power system.*” Australian Journal of Electrical and Electronics Engineering, <http://doi.org/10.1080/1448837X.2017.1389606>, September 2017.
- Mr.K.Durga Syam Prasad, Asst.Professor-“*Voltage Multiplier Module for Renewable Energy System with High Step-Up and High Efficiency Converter.*” ESTIJ, ISSN: 2250-3498, Vol 7, July-August 2017.
- Mr.K.Durga Syam Prasad, Asst.Professor-“*Stability Improvement for HVDC Light Transmission with Non Linear Control Method.*” Vol.12, Sp-12, 2017.

### Faculty Development Programmes/Workshops attended:

- Dr. G.V. Nagesh Kumar, Prof, Mr.K.Chiranjeevi, Asst Prof and Mr.A.Chandriah, Asst Prof attended “The intensive workshop on data sciences. “at VIIT, Visakhapatnam from 30.11.2017 to 1.12.2017.
- Mr.M.Suresh, Asst Prof, Mr.G.Ravi Kumar, Asst Prof, Mr.P.V.Sarath, Asst Prof and Mr.K.Vamsi, Asst Prof attended FDP on “Power Electronics Applications for Renewable Energy and Electric Vehicle. “at MVGR, Vizianagaram from 08.12.2017 to 09.12.2017.
- Mr.K.Avinash, Asst Prof, Mr.A.Venkatesh, Asst Prof and Mr.Ch.Anil Kumar attended FDP on “Facto-2K17” at Sairam College of Engineering from 2.08.2017 to 4.08.2017.

## SOCIAL FACE

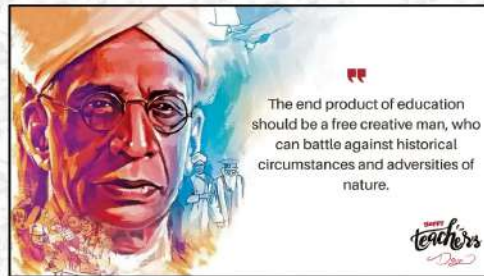
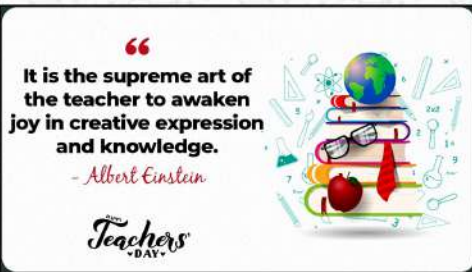
### # Health Club



A Health talk by Dr. MN Pallavi@  
General Check Up on 01.07.2017



General Health Checkups@  
Health Camp for Faculty on 01.07.2017



## STUDENTS' CORNER

### Industrial Visits/Internships/Summer Training

S.No	Name of the Industry/ Organization	Date/Duration	Year	No. Of Students
1.	PGCIL, Visakhapatnam	28.12.2017	IV	80
2.	132/33Kv Substation, Gajuwaka, Visakhapatnam	20.09.2017	IV	107
3.	Hydro Power Plant, Sileru	01.11.2017 to 14.11.2017	IV	1

### Event Tech News



Date: 20-12-2017.

Seminar by Dr. K Ramasudha, Professor, and Andhra University was organized. She explained the mitigation of voltage and current disturbances that could affect sensitive electrical loads while compensating the load reactive power. It aims at the integration of series-active and shunt-active power filters. The main purpose of a UPQC is to compensate for voltage imbalance, reactive power, negative sequence current and harmonics.

### Guest Lecture on “Recent trends on Non-conventional energy”.

Date: 12-12-2017

Presentation was given by Sri.B.Durga Prasad, Associate Professor explained Modern Trends Renewable Energy Sources and Impact of Renewable Energy Sources in India.



### Guest Lecture “High voltage power system operation and instrument Calibration and safety measures”

Date: 29-08-2017

Presentation given by Sri.Manoj Kumar, Dy.General Manager, RINL-Visakhapatnam Steel Plant and given inputs about High voltage power system operation and instrument calibration that are the challenges in a real-time world in functioning the various industrial needs.

### Workshop on “MATLAB, SIMULINK for Electrical Engineering Applications” Date: 22-07-2017.

Workshop by Dr. R. Ram Prasad had focussed on softwares used in electrical engineering which are used for research and advanced studies. The workshop mainly focuses on the basics of MATLAB and its applications in engineering fields. Using MATLAB, a student can analyse data, develop algorithms, and create models and applications.



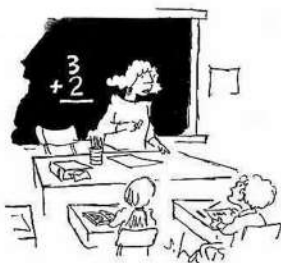


One a starry night my dreams keep me awake,  
The calmness in them is just like the water in the lake.  
Some of them brings a smile on my face and some frown.  
Expecting them to come true, will just be an act of clown. Yet these doesn't stop me to dream, I close those eyes and just fall asleep.

Pragati Sethi  
15NM1A0254



## HUMOR



"DO WE NEED THIS EVEN IF WE'RE NOT PLANNING TO GO TO COLLEGE?"



*Humor is a universal language*

## Bulletin

### Large-capacity Batteries

One of the deepest structural problems in the national grid is that electricity is so difficult to store at scale. It's a problem that becomes even more pressing as the world moves to renewable power sources, such as wind and solar. These sources produce power when the wind blows or the sun shines, but that's not necessarily when demand is at its highest.

In response, many regions are adding storage to their grid, with California pushing to have 1.3 gigawatts of storage by 2020. Currently, most of the battery technology is lithium ion, which is more suited to smartphones than projects of this scale. But researchers are chasing the next big breakthrough, with the redox flow battery, the most likely candidate to replace lithium ion.



A microwave consumes more electricity powering its display clock than it does actually heating your left overs

## QUIZOMANIA

- 1) A substance whose permeability is less than the permeability of free space is
- 2) Specific resistance of a substance is measured in
- 3) The surge resistance of cable is
- 4) Overhead system can be designed for operation up to
- 5) An Oscillator produces.....



**Answers** 1) Diamagnetic 2) ohm-cm 3) 50 ohms 4) 66kV 5) Undamped Oscillations



### VISION

To be a center of excellence for producing proficient and socially responsible women electrical engineers for industry outreach through quality education and research

### MISSION

M1: To empower the students with skills in current trends through effective teaching- learning process for professional growth. M2: To foster an eco-system for higher education and research in Electrical Engineering through constant industry interaction. M3: To facilitate practical expertise in enterprise development and energy environment by promoting innovation and social consciousness.

### PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates will be able to  
PEO1: Possess strong educational foundation in Electrical Engineering for making successful careers in core and allied industry.  
PEO2: Develop solutions for realistic problems in the society through innovation and lifelong learning.  
PEO3: Exhibit communication skills, leadership qualities, social and environmental responsibility, ethical values in successful career.

### WHAT'S INSIDE

- Faculty Portal
- Students' Corner
- Fun & Facts

### KEY DATES

- 12-12-2017
- 29-08-2017
- 22-07-2017

### EDITORIAL BOARD

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### Message by Academic Director:

A hearty welcome to the First Year Students and all the best for their new journey. I extend my congratulations and warm wishes to Principal, staff members and students for their dedication, commitment and valuable contribution for the development of this college.

Prof. A. Sesa Rao

### From the Principal's Desk:

Female education in our country is not a gift of modern civilization but it is accelerated effort made by the individuals and the society.

We welcome you to this college and hope this year will be glorious and meritorious for you all. **Dr. J. Sudhakar, Principal**



### Thoughts from the Head of the Department :

Students are constantly encouraged for research and development activities with different institutes. Expert talk by eminent professors, seminars, workshops, guest lectures, conferences, technical competitions, etc. are organized on regular basis to keep students at par with the global standards of learning.

Mr. K. Durga Syam Prasad, HoD. EEE



### A Glimpse of our Technical Events @ Interlocking Ideas

The Department organized different Technical Events this year. It received an overwhelming response from all and made them a great success. The motive of this event is to develop various skills of students in these activities and to expose them to the current trends in the technical and professional fields.



**VIGNAN'S**  
**INSTITUTE OF ENGINEERING FOR WOMEN**

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