



## *ELECTRO VISION*

*JUNE-JULY  
2016-2017*



Electrical science has revealed to us the true nature of light, has provided us with innumerable appliances and instruments of precision, and has thereby vastly added to the exactness of our knowledge. Nikola Tesla

### *An Introduction to Transient Voltage Suppressors (TVS):*

*Transients are temporary spikes or surges in voltage or current that can potentially impact circuits in ways ranging from minor glitches to catastrophic failure. A voltage transient can be anywhere from a few millivolts to thousands of volts, and they can last from nanoseconds to hundreds of milliseconds. Some transients are repetitive, such as those caused by inductive ringing in a motor, while other transients are more sporadic, such as ESD events. Current transients can be caused, for example, by inrush current. The figure below shows a device being hot-plugged. The applied voltage is 5V (cyan waveform) while the current—technically known as the "inrush current"—(yellow waveform) surges very high: its measured value is 26.2 Amps with a time duration of 21.6μs*

### Results 2015-2016 IV year 2<sup>ND</sup> sem:



CH. Banu Prasad  
1<sup>st</sup> Topper (83.8%)



Surya Kiran Reddy  
2<sup>nd</sup> Topper (83.5%)

### First year inauguration function :

*The first year B-tech classes for the academic year 2016-2017 were inaugurated on 03-06-2016. The parents who had gathered in the auditorium were feeling elated that their children had gained admission in DhaneKula Institute of Engineering Technology, Ganguru Vijayawada. DhaneKula Ravindranath Tagore Garu, Chairman, and Dr. Ravi Kadiyala Garu, Principal. The function started with a prayer and lighting of the lamp.*



## Guest Lecture



A guest lecture on “necessity of enhancing energy efficiency in the present scenario” conducted by EEE department speech is given by sri M.Durga Prasad Retd cheif Engineer Vijayawada zone APSPDCL.

## A View To Remember:

- START-UP Program will be conducted for 3-Days from 28-07-16 to 30-07-16.

### Vision

Emerge as Quality Human Resource Provider for Industry and Society in the field of Electrical & Electronics Engineering.

### Mission

- Providing Quality Education through State-of-art resources.
- To develop innovative, proficient Electrical engineers.
- Promoting Ethical and moral values among the students s as to make them responsible professionals for the society.
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### Program Educational Objectives

- PEO1:** Have strong foundation in Electrical Engineering along with mathematics, Science s and allied Engineering subjects.
- PEO2:** Possess good problem solving, design skills, capability To use modern engineering tools, ability to pursue higher education and research.
- PEO3:** Seek employment in various engineering or technological positions of their interest and continue to achieve their aspirations through lifelong learning.
- PEO4:** Exhibit professional and ethical attitude, effective communication skills, Teamwork and multidisciplinary approach.

### Editorial & design Team

**Faculty:** B.Santhosh Kumar Assistant professor

**Students:** S.Vamsi Krishna, III EEE

K.Havisha ,III Year EEE