



## NEWS LETTER

Department of Electrical and Electronics  
Engineering

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**Principal :Dr. Mohammed Yousuf Ali**

**Head of Department :Dr.P.Mahes Kumar**

### Edition:

Progress Lies not in  
enhancing what is, but in  
advancing toward what  
will be.

**-Khalil Gibran**

### Highlights:

- ✓ Online Exams
- ✓ Seminars
- ✓ Workshops
- ✓ Guest lectures
- ✓ Sports

### Cheif Editors:

-Mr.Dr.P.Mahes kumar  
Assoc Professor HOD  
of EEE

-Mrs.Swetha  
Assistant Prof.

### Student Editors:

-Ayesha-4<sup>th</sup> EEE

-Mohammed Ali -2<sup>nd</sup> EEE

### *VISION of Department*

The Electrical and Electronics Engineering Department strives to be recognized globally for outstanding education and research leading to dynamic, vibrant and well-qualified engineers, who are innovative, entrepreneurial and capable of conducting contemporary research in cutting edge technologies.

### *MISSION of Department*

1. Provide high quality innovative education at the undergraduate and graduate level.
2. Prepare graduates for the high technology field by promoting lifelong learning, technical expertise, ethical standards, and leadership qualities.
3. Create an ambience of knowledge vibration that inculcates the zeal and desire to excel in academics for the staff and student.
4. Provide expertise and resources that enable staff and students to generate new ideas and technology.

### *Graduate Attributes*

<b>K</b> Applying Knowl- edge [PO:a]	<b>A</b> Problem Analysis [PO:b]	<b>D</b> Design & Develop- ment [PO:c]	<b>I</b> Investigation of problems [PO:d]
<b>M</b> Modern Tool Usage [PO:e]	<b>E</b> Engineer & Society [PO:f]	<b>E</b> Environment Sus- tainability [PO:g]	<b>T</b> Ethics [PO:h]
<b>T</b> Individual & Team work [PO:i]	<b>O</b> Communication [PO:j]	<b>M</b> Project Manage- ment & Finance [PO:k]	<b>I</b> Life Long Learn- ing [PO:l]

## **EXUMBERANCE**

### **FROM PRINCIPAL DESK**

*The current scenario in the local, national and international level is of intense competition with equal opportunity to all. The world has grown phenomenally in the past decade than ever before. Education which has always played an important role in the life of man has gained a lot of importance. In the present times it is not only, 'what you have' but 'how much you know' determines your success.*

*Training and placement department of our college helps students in making them aware about the various job opportunities in their respective fields with the aid in applying for the jobs and conducts campus interviews to recruit them when they are in final year of their graduation.*

*Our aim is to impart the best of the knowledge and technical know how to our students with required inputs, and the desire and ability to learn, lead and excel to make them responsible and respected citizens of India. We will be pleased if we receive any suggestion regarding our improvement.*

**Dr. Mohammed Yousuf Ali**  
**Principal of LIET**

### **FROM HOD DESK**

*It's immense pleasure to present this semi-annual newsletter "Exumberance". Electrical and Electronics Engineering department is the dynamic and vibrant department with the blend of young and experienced Faculty.*

*Department is actively involved in academic as well as research work in current areas of Electrical and Electronics Engineering and multi-disciplinary streams. The department has well equipped labs with the state of art software, hardware and machineries.*

*The faculty members are constantly publishing technical papers in national and international journals and conferences. Also, they are involved in consultancy activities. The department is fortunate to have dedicated teachers, devoted students, and committed supporting staff and expert technical staff.*

*Specially, I congratulate my students to participate in various extra-curricular activities, research work and competitive exams. My best wishes to all for their bright carrier and successful life.*

**Dr.P.Mahes kumar**  
**HOD of EEE**

## EXUMBERANCE

### EXPERT LECTURE ON ROLE OF POWER ELECTRONICS IN EV's:



**Guest lecture on Role of Power Electronics in EV's was conducted by EEE Department for EEE 3<sup>rd</sup> year students on 25/09/2019. Guest was Mr.B.Rajesh from VJIT.**

#### **Summary Report:**

The report starts with a comprehensive Executive Summary and Conclusions which includes a close look at all the key issues. Ten year forecasts for power electronics are broken down into motor controllers, recuperation, electricity import, electricity export, BMS with boost converters, climate control and then other, with a full explanation of the many things in these categories. The total power electronics market in billions of dollars and as percentage of the electric vehicle market is projected, backed up by ten year forecasts by number of 46 categories of electric vehicle land, water and air.

The Introduction then looks at many examples of power electronics explained in the context of powertrain options, future successes and expected failures. It covers such things as why universal and merged motor controllers are both elusive but more per vehicle will appear. Network integration, powertrain options, voltage trends and structural electronics potential are detailed. Design of Power Electronics comes next, embracing where, why and what new forms are appearing. Issues concerning power modules and battery management system design are here, for example.

## EXUMBERANCE

### EXPERT LECTURE ON ELECTRICAL SAFETY TESTING:



**Guest lecture on Electrical Safety Testing was conducted by EEE Department for EEE 4<sup>th</sup> year students on 25/09/2019. Guest was Mr.B.Rajesh from VJIT.**

#### **Summary Report:**

Electrical safety testing is essential to ensure safe operating standards for any product that uses electricity. Various governments and agencies have developed stringent requirements for electrical products that are sold world-wide. In most markets it is mandatory for a product to conform to safety standards promulgated by safety and standard agencies such as UL, CE, VDE, CSA, BSI, CCC and so on. To conform to such standards, the product must pass safety tests such as the high voltage test (also called as Dielectric voltage-withstand test or high potential test), Insulation Resistance Test, Ground (Earth) Bond & Ground Continuity Test & Leakage Current Test (also called as Line Leakage Test, Earth Leakage Current Test, Enclosure Leakage Current Test or Patient Leakage Current Test).

- **High Voltage Test (Dielectric Voltage-withstand Test)**
- **Insulation Resistance Test**
- **Earth Continuity Test**
- **Leakage Current Test (Line Leakage Test)**
- **Dead testing**
- **Live testing**

## EXUMBERANCE

### **THREE DAYS WORKSHOP ON POWER ELECTRONICS APPLICATION IN RENEWABLE ENERGY:**



Report on “**A THREE DAYS WORKSHOP ON POWER ELECTRONICS APPLICATION IN RENEWABLE ENERGY USING MATLAB AND IOT.**” organized by Lords Institute of Engineering and Technology on 23<sup>th</sup>, 24<sup>th</sup> & 25<sup>th</sup> OCT 2019.

The objective of the workshop is to educate the students to understand the growing and evolving use of **POWER ELECTRONICS APPLICATION IN RENEWABLE ENERGY.**

The **Resource Person Mr. Ala Sreenivasulu and Mr. Chinnaswamy manager of Pantech Solutions, Hyderabad** has explained the importance of POWER ELECTRONICS APPLICATION IN RENEWABLE ENERGY Using IOT.

The program was organized in three days (6 sessions). The First Session started with Opening Ceremony, felicitation of the dignitaries and their addressing to the students followed by Workshop on power electronics application in renewable energy. The Remaining Sessions were continued on lab session on mat lab regarding workshop and simulation exercise. The program ended with the Valedictory Function and Distribution of certificates to participants.

**STUDENTS PARTICIPATION IN INTER COLLEGE ACTIVITIES:**

S.No	Student Name	Event	College Name
1	Ayesha Khan	Paper Presentation	BITS-Vizag
2	Shaik Mehtaab Ahmed	Paper Presentation	BITS-Vizag
3	Sameen Nishanth	Project Exhibition	Velammal Engineering College,Chennai
4	Mohd Shafi	Project Exhibition	Velammal Engineering College,Chennai
5	Mohd Sohail	Project Exhibition	Velammal Engineering College,Chennai
6	Shaik Waseem	Project Exhibition	Velammal Engineering College,Chennai
7	Mohd Ahmed Ali	Workshop	Sasi Institute of Engineering and Technology
8	K.Sai kiran Reddy	Workshop	Sasi Institute of Engineering and Technology
9	Md Ejaz Ali	Symposium	Velammal Engineering College,Chennai
10	N.Vishal Goud	Symposium	Velammal Engineering College,Chennai
11	Aleemuddin	Workshop	C.R.Reddy College of Engineering,HYD
12	Mehtaab Ahmed	Workshop	C.R.Reddy College of Engineering,HYD
13	Toufiq	Workshop	C.R.Reddy College of Engineering,HYD
14	Shaik Waseem	Workshop	C.R.Reddy College of Engineering,HYD
15	Vishal Goud	Workshop	Coimbatore Institute of Engineering and Tech
16	Ejaz Ali	Workshop	Coimbatore Institute of Engineering and Tech
17	Firoz Ansari	Workshop	Coimbatore Institute of Engineering and Tech



## EXUMBERANCE

### INDUSTRIAL VISIT TO KTPS,PALVONCHA

Date of visit: September 2<sup>nd</sup> 2019

Place of visit: Kothagudem thermal power station,  
Palvoncha,kothagudem,Bhadrachalam(D).



Kothagudem Thermal Power Station is located at Palvoncha 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). In January 2012, it was reported that the government has decided to build additional unit with capacity of 800 MW.

NO.OF STUDENTS: 48 students + 2 faculty members

## EXUMBERANCE

### SPORTS:



*Students of EEE department were Runner up LIET Team for 6th Telangana State Inter Engineering College football Tournament 2019 conducted on 27<sup>th</sup> September 2019 at CMR GROUP OF INSTITUTES, Kandlakoya, Medchal, Hyderabad.*

### INDEPENDENCE DAY CELEBRATIONS:





## EXUMBERANCE

*Independence day was celebrated on 15th August 2019 followed by prize distribution, in the presence of all department heads and faculties .Chief guest was Mr C .A.Basha Mohiuddin and Secretary Mrs Rizwana Begum presided.*

### PARENT TEACHER MEETING:



**Parent-Teachers Meet was held to share academic progress of the student and growth based on classroom observations, assessments.**

## NPTEL EXAM:

Our department faculty Mr.Mallesha kumar, is certified in online NPTEL exam.  
Mr .Mallesha kumar had got no1 rank among all other departments in college and college has active local chapter ,in the top 100 colleges in India

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL19EE36S51471638

To:  
MALLESK KUMAR G  
H.NO2-51  
MAHADEV PET  
MAHBUBNAGAR  
TELANGANA  
509203  
PH. NO :9440872054

No. of credits recommended by NPTEL:3  
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

**Elite**  
**NPTEL Online Certification**  
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to  
**MALLESK KUMAR G**  
for successfully completing the course  
**Basic Electric Circuits**

with a consolidated score of **83** %

Online Assignments	22.34/25	Proctored Exam	60.75/75
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Total number of candidates certified in this course: 1155

Prof. Rajesh M. Hegde  
Chairman, Centre for Continuing Education  
IIT Kanpur

Jul-Oct 2019  
(12 week course)

Prof. Satyaki Roy  
NPTEL Coordinator  
IIT Kanpur

Indian Institute of Technology Kanpur

swayam

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To validate and check scores: <https://nptel.ac.in/noc/>