

DEPARTMENT OF EEE



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EXUMBERANCE

News Letter



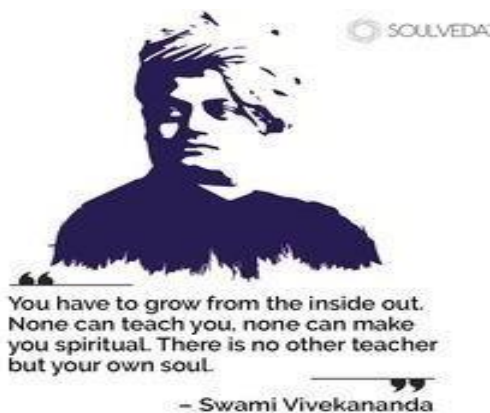
**DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING**

MESSAGE FROM PRINCIPAL

It gives me immense pleasure to welcome you to the creative world of Lords which has very eco-friendly campus and is equipped with state-of-art infrastructure Our institute is equipped with state-of-art labs, workshops and full fledged library to help students in attaining highest standards in academics, research and professional skills. The campus has adequate sports infrastructure to take care of sports and recreational activities.

The main focus of the Institution is to empower students with sound knowledge, wisdom, experience and training both at the academic level of Engineering and in the highly competitive global industrial market. The infrastructure facilities and state-of-the-art equipment combined with a galaxy of competent, talented and dedicated faculty contribute to an enjoyable and an easy learning experience. We are keen to imbibe theoretical concepts to industrial applications. Industrial visits, tours, training's, internships, and industrial consultancy is thrust areas has been the conventional practice. We wish the best for all our students, and the members of the institution who reiterate their aims at providing the best in academic and extra-curricular fields. We must believe that success is inevitable where these exist- Foresightedness, Firm Determination, Hard work and Discipline. You are assured that you will proud of yourself as a confident and successful technocrat after Four years at Lords. Once again, we wish all our students a successful and rewarding career.

Dr. ALTAF HUSSAIN
principal



MESSAGE FROM HOD DESK

It's immense pleasure to present this semi-annual newsletter "C Script". Computer Science and 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 Computer Science and 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 various extra-curricular activities, research work and competitive exams. My best wishes to all for their bright carrier and successful life

HOD-EEE



EDITOR'S MESSAGE

Primary objective behind this initiation is to strengthen our ties with our students, alumni, staff, parents, industries and all other stakeholders of the institute. The newsletter intends to act as a communication tool that will not only give information about activities on campus but also will educate, inform and motivate its readers on various issues of interest. It will also provide a platform to an individual to disseminate creative ideas. We are overwhelmed by the response that we received from students, faculties and staff in making this newsletter possible. In this newsletter, we have reported significant achievements and activities of departments as well as individual student and staff. Details of recent events held on campus are also reported. Training and placement statistics for the last pass-out batch have also been presented. Apart from this some of the wonderful articles submitted by students have also been showcased. We would like to thank respected Dr.P.Mahes for not only encouraging and supporting us in this activity but also for their wonderful contributions in the newsletter that are highlights of the present issue. We would like to also thank head of departments and other staff members for providing information and valuable suggestions. I hope you will enjoy reading this issue!!!

CHIEF EDITOR

DR.T.DANIEL RAJ

(ASSOC PROF)

S.MALLIKARJUNA

(ASST PROF)

STUDENTS EDITOR

1. Faraz -IV EEE

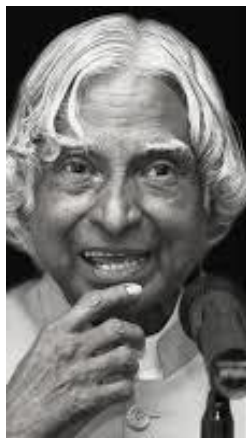
2. T.Kranthi- III EEE

Vision

To be a nationally recognized institution of excellence in technical education and produce competent professionals capable of making valuable contribution to the society

Mission

- To promote academic growth by offering state-of-the-art undergraduate and postgraduate programmes.
- To undertake collaborative projects which offer opportunities for interaction with academia and industry.
- To develop intellectually capable human potential who are creative, ethical and gifted leaders.



"Teaching is a very noble profession that shapes the character, caliber, and future of an individual. If the people remember me as a good teacher, that will be the biggest honour for me."

APJ Abdul Kalam

Electrical & Electronics Engineering

Vision

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

Mission

The mission of the department is to achieve the following goals.

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

STUDENT ACTIVITIES

Event Report – “ORIENTATION PROGRAMME



Department of Electrical & Electronics Engineering organized **ORIENTATION PROGRAMME** for II year B.Tech EEE Students in the department on 10th July 2018. The major objective of the programme was to make the students aware of the academic aspects of the course, the rules and regulations of the department and motivating the students to enhance their skills in all aspect. The Chief Guest of the programme, Dr. S. Altaf Hussain, principal of this institute, addressed the gathering. The session was followed by Head of the department Dr.T.Daniel Raj, gave a brief introduction of the cse department.

Event Report – “OPENING NPTEL LOCAL CHAPTER”



Lords Institute Of Engineering Technology has been established as an **NPTEL-SWAYAM LOCAL CHAPTER** on 18th July 2018. From LIET

The NPTEL team invited the SPOCs of all the local chapters through E-mail so as to organize SPOC awareness cum felicitation workshop at IIT Madras on July 14 2018 (Saturday) which was for SPOCs from the south zone states

Event Report – “GULISTAAN-THINKING GREEN”

NSS activity Gulistaan-Thinking Green has been conducted in Lords campus on 23rd



July 2018 to create awareness amongst the students regarding importance of plants and clean & green environment. The campus of LIET conducted a sapling session of around 200 plants. The students showed active participation by playing the role as NSS volunteers. The NSS volunteers of LIET are very energetic and dynamic and demonstrated their social responsibility towards the society. The event was successfully completed in the campus.

EXPERT LECTURES/ SEMINARS

Event Report – “GUEST LECTURE ON ELECTRICAL TECHNOLOGY”



Guest lecture on Electrical Technology was conducted by EEE Department for EEE 2nd year students on 21/07/2018. Guest was Dr.Shanker babu..

The lecture included with topics:

- **how it is useful for individuals ,to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and electrical distribution panels.**
- **Also explained practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations.**
- **Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes**

are also critical components of the program.

Event Report – “GUEST LECTURE ON ELECTROMAGNETIC FIELDS& ITS APPLICATIONS”



Guest lecture on Electromagnetic fields and its applications was conducted by EEE Department for EEE 2nd year students on 18/09/2018. Guest was Professor N.Raveendar .

The Department of Electrical and Electronics Engineering, Lords institute of Engineering & Technology organized a guest lecture on the Electromagnetic field and its applications on 18.9.2018 for the second year students. Professor N.Raveendar, Department of EEE, Sri Vishnu Engineering College, ,was the resource person.

He started the lecture asking the students about the sources of electromagnetic fields. Students actively responded to the questions asked by him. He explained about the five units of the course. Starting with the first Unit, he explained about sources and effects of electromagnetic fields, Coulomb's Law, Gauss's law and its applications. In Unit II, he explained about the electric field and equipotential plots, uniform and non-uniform fields, utilization factor – electric field in free space, conductors, dielectric polarization, dielectric strength – electric field in multiple dielectrics , Boundary conditions, Poisson's and Laplace's equations, applications.

Event Report – “GUEST LECTURE ON EARTHING AND GROUNDING”



Guest lecture on Earthing & Grounding was conducted by EEE Department for EEE 4th year students on 01/10/2018. Guest was Dr.B.G.Reddy

The topics covered in guest lecture are:

- Basic Definitions and Preliminaries
- Reasons for an Effective Plan for Grounding and Bonding
- Grounds System Audit: How To Identify Grounding Issues
- Earthing System
- Properties of Earthing Systems
- Residual Current Device RCD
- Terms and Codes

The main objectives of the course are summarized as follows:

1. Understanding of requirements, objectives, planning, and properties of earthing systems and study of related standards.
2. Understanding various issues related to earth electrode subsystems.
3. Understanding techniques for various earth/earthing systems resistance measurements and analysis of various affecting parameters.
4. Design of earthing systems for various applications considering various reasonable configurations.

Event Report – “GUEST LECTURE ON 21st CENTURY TRENDS IN ENTREPRENEURSHIP”



Guest lecture on 21st Century Trends in Entrepreneurship was conducted by EEE Department for EEE 4th year students on 02/11/2018.

Resource Person Details:

Mr.M.L.Saikumar,

Professor,Dean at Institute of Enterprises,

Hyderabad .

The lecture included how Entrepreneurship is different to different people

- .1 Conceptually and in practice, the term hints of no stereotypical model. Yet its very etymology – derived from the French ‘entreprendre which literally means, ‘to undertake’
- 2 Defined the minimum characteristics of an entrepreneur.
- 3.Described from the perspective of economic functions there are three crucial characteristics of entrepreneurial activity. They are : risk taking, innovation and venturing into new business activities for profit.

Event Report – “GUEST LECTURE ON RENEWABLE ENERGY RESOURCES”



Guest lecture on Renewable Energy Resources was conducted by EEE Department for EEE 3rd year students on 13/11/2018.

The lecture clearly explained the topics :

- **How** Energy plays a very important role in our lives, providing comfort, increasing productivity and allowing us to live the way we want to. Since the beginning of mankind, we have made use of wood, water, and fossil fuels as a means of heating and making machines work. Almost for all types of activities, we rely on one or another form of energy.
- Sources of Energy- Fossil Fuels :

Conventional Source of Energy

Energy from the Atom – Nuclear Energy

Sun - The Ultimate Source of Energy

Wind Energy

Geothermal Energy

Biomass Energy

Ocean Tidal and Wave energy

Event Report – “NATIONAL WORKSHOP ON IOT TECHNOLOGY”



Workshop on IOT Technology was conducted by EEE Department for EEE 3rd year students from 5th August 2018 to 7th August 2018

Resource person: Mr. Mohammed Naveed Khan, CEO Dikanz Pvt Ltd, Hyderabad.

Summary of the Work Shop:

The aim of this workshop is to give an overview and hands-on experience to the participants on **IOT Technology**.

Clearly explained how IOT is mainly used. The devices that wouldn't usually be generally expected to have an internet connection, and that can communicate with the network independently of human action. For this reason, a PC isn't generally considered an IoT device and neither is a smartphone, even though the latter is crammed with sensors. A [smartwatch](#) or a [fitness band](#) or other wearable device might be counted as an IoT device.

Event Report – “INDUSTRIAL VISIT TO PENNAR TECHNOLOGY”



REPORT ON INDUSTRIAL TRIP TO BHEL:

Date: OCT 24TH 2018

Students: 3rd and 4th year EEE

Faculty: 2 members

In this industrial visit to BHEL, students have got a better opportunity to interact with experienced officials and have gained good knowledge about their core subjects.

Design and Manufacturing Process of electrical machines class was conducted by Mr.T.Subba Rao(A.E) and have guided students through out the plant.



THANK YOU

