

VISION

To make the Department as a center for excellence, to educate young technocrats which lead to highly competent professionals in the field of Engineering and Technology.

MISSION

To produce graduates with a strong foundation in the sciences and mathematics that will enable them to identify and solve electrical engineering problems.

To generate graduates with scientific technology and research for their economic growth of the employing organization and pursue lifelong learning.

To provide students with good skills to communicate effectively and to develop the ability to function as members of multidisciplinary teams.

PROGRAM EDUCATIONAL OBJECTIVES (PEO's):

PEO1 The graduates exhibit strong knowledge in basic sciences and electrical engineering to enable them for higher learning and employment.

PEO2 To prepare the graduates to design electrical, electronics and computing systems innovatively for mankind.

PEO3 To inculcate the graduate professionalism, ethics, effective communication skills and capability to succeed in multi disciplinary fields..

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CSE
ECE
ME



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NEWS LETTER 2022-23

VIST US: www.nnr.edu.in email: hod.eee@nnr.edu.in

SALIENT FEATURES:

The Department of Electrical & Electronics Engineering was started in the year 2009 with an intake of 60 in B.Tech Electrical and Electronics Engineering (EEE).

The Department offers a four-year course of Bachelors Degree (B.Tech) in Electrical and Electronics Engineering (EEE) with an intake of 30 seats.

The department has a blend of faculty with high qualification and rich experience in academics and research. Enrich, Enlighten and Escalate (EEE) are the principles of the department. The activities which are conducted focusing the principles evolved help students to grow up day by day into engineers with high electrical strength technically.

The broad areas of expertise include power system operation and control, power quality, voltage stability and applications of Power Electronics to Power Quality Improvement and Industrial Drives. The department has very well established Laboratories with sophisticated equipment supplementing the academic needs of the students.

The students of this department are regularly exposed to the latest trends in the field of Electrical and Electronics Engineering through regular industrial visits, guest lectures, conferences, and workshops etc. Extra experiments are being conducted for all classes in addition to those prescribed in the JNTU syllabus in order to give students a solid grasp of the subjects.

Staff members of this department are encouraged to improve their qualifications and get involved in research. Full support is provided for the same. The placement record of the department has always been impressive.

Industrial visit

– An Industrial Visit to Diesel Loco Shed – Moula – Ali.

DATE:10/11/2022

COMPANY: Senior section engineering office , lalaguda INTRODUCTION:
DIESEL LOCOMOTIVE

A diesel locomotive is a type of railway locomotive in which the prime mover is a diesel engine. Several types of diesel locomotive have been developed ,differing mainly in the means by which mechanical power is conveyed to the driving wheels.



Battery boxes:

Battery box is made of stainless with Rollon telescopic rails. This will facilitate easy top-up of batteries. It will also facilitate easy top-up of batteries and other routine inspection .This improved deign battery boxes are introduced on locomotive ,EMUs, MEMUs, DEMUs.

RAMAKRISHNA INDUSTRIES

DATE:25/02/2023



We students of EEE were informed two days before that an industrial visit to **RAMAKRISHNA INDUSTRIES** was scheduled. As instructed by our faculty we assembled at college by at 9:00. Altogether 50 students boarded the bus along with two Faculty members. Buses started at 11.30 A.M and we reached substation by 12.00A.M. We were divided into two groups, half the batch was explained about the Transformer Designing. The remaining half was guided by a Engineer present there. We have seen the practical Transformer Size, power input etc., they have explained us very clearly in sequence of connection of windings I the transformer. The visit came to an end at 2.30 p.m.

We left the premises at 2.30p.m and came back to college by 3.20 p.m It was an informative, interesting and a successful visit. As students of Electrical and Electronics Engineering, We Have learned about the transformer. We express our thanks to the Dean who permitted us to go on the visit, the faculty members who accompanied us and the officials who explained the various departments. Behalf the students we request you to arrange more industrial visit for the students which can practically train the students.

Guest lecture

GUEST LECTURE for III Year & IV Year EEE Students i.e. on 17/12/2022 by Surya Narayana, ADE Electricity Board. He is having vast experience in Transmission And Distribution System. He accepted our request to come to our college to give his lecture. This is very useful for the industrial exposure in power sector for students.



FACULTY ACHIEVEMENTS:

Journals / Conferences:

- **Dr P Ramesh** Review & Analysis of PV Power Systems using MPPT based on ANN Techniques. Gradiva review journal.
- **Mrs. K.Swathi** Analysis of AC-DC charging circuit using PWM Rectifier for two-wheeler EV application Gradiva review journal.
- **Mr Moguthala Shankar** Review & Analysis of PV Power Systems using MPPT based on ANN Techniques Gradiva review journal.

Workshops / FDP's Attended:

- **Mr. Moguthala Shankar** attended A *One Week Short Term Training Program on "Design, Implementation and Control of Electrical Systems using MATLAB"* which will be held during **3rd – 7th January 2023** at Bapatla Engineering College.Bapatla.
- **Mr. Moguthala Shankar** attended A Five Day FDP "Emerging Technologies in Electrical Engineering" from 28th Nov 2022 to 2nd Dec 2022 by the Department of EEE, PACE Institute of Technology and Sciences, Ongole.
- **Dr P Ramesh** Mr Training program on energy conservation building code rules and compence procedure. 28,29 oct 2022.

Student Placements

Name	Hall Ticket No	Company
Sai Laxman Rangubhatla	177Z1A0232	Wipro
Sannaila Akanksha	197Z5A0220	Infosys
Rakesh pashikanti	197Z5A0216	TCS
Ambati Anusha	197Z5A0203	Infosys
Mahender kumar Padma	187Z1A0218	Hexaware Technologies
Karedla Anjali	187Z1A0210	Capgemini

Toppers of The Department Year Wise

IV Year	Grade Points
VEMULA NITHYA SRI	8.2
MAMIDIPALLI PAVAN	7.2
MADDELA DHARANI	8.0
BODDIREDDY RUCHITHA	8.0

III Year	Grade Points
PUNEM RATNAKAR DORA	8.1
REKHALA SAMEL PAL	8.0
GADDAM SAI KUMAR	7.9
ALETI VENKATA SAI	6.5