

ABOUT VEMU IT

VEMU Institute of Technology is one of the best and finest engineering colleges in Chittoor District, Andhra Pradesh. Beginning its quality inputs in 2008, it has attained ISO 2015:9001 certification for quality management within a short span of time. The institution's progress and contribution to the field of technical education for over one decade and accredited by NAAC in the year 2017, Recognized under 2(f) and 12(B) UGC Act, Permanent Affiliation with JNTUA (Anantapuramu), It is located in P.Kothakota, near to Tirupati on the Chittoor Highway in a beautiful 16-acre campus. A diverse, talented community united by a passion for learning and quest for more, VEMUIT challenges its students to make a difference on its campus, in the region, and in the companies where ever they join. With unmatched results in every sphere of education, its commitment to be the best has grown to transform its departments into Centers of Excellence..

COURSES:

- ❖ Five undergraduate courses in Engineering
 - ✓ B.Tech in CIVIL/EEE/ME/ECE/CSE & CSE AI
- ❖ Five Postgraduate courses in Engineering
 - ✓ M.Tech in CSE/ES/VLSI/PEED/MD
- ❖ One Postgraduate course in Management
 - ✓ MBA
- ❖ Four Diploma courses
 - ✓ DCE/DEEE/DME/DECE

INDUSTRY SUPPORTED LABS:

With the support of the industry, VEMU Institute of Technology established the following laboratories in the college for the benefit of students to get trained in the emerging technologies.

- ✓ Dassault's 3D Experience Centre
- ✓ AP CM's Skill Excellence Center
- ✓ YMTS Innovation Centre
- ✓ Pavan Empower Solutions Lab
- ✓ Industrial IoT Lab
- ✓ Transformer Testing and manufacturing Lab
- ✓ Cloud Computing and Cyber Security Labs
- ✓ e-Yantra Robotics Lab

Features:

MOUs with industries for internship, Training and projects viz. UI Path, RAVANDS, SNAM Alloys, CODE TANTRA, Young Minds Technology □ solutions, SR Unique solutions, Sigma Controls etc.

□MHRD – Institution's Innovation Council (IIC) has been established and actively functioning □ Certification courses by foreign universities

Other features:

- Promotion of industry-institution interaction exchange programs.
- Regular seminars, workshops and guest lectures by eminent Professors from Universities and Industry
- Training for Placements right from 1st year
- Special focus on Communication skills, analytical skills and technical skills
- Entrepreneurship Development Cell to make the students entrepreneurs
- R & D cell to inculcate the quest of research in students
- In-Plant Training and Internship Arrangement for students

ABOUT DEPARTMENT

The Electrical & Electronics Engineering Department was established in the year 2008 at VEMU Institute of Technology with an intake of 60. The Department also offers M.Tech Program with specialization in Power Electronics and Electrical Drives (PEED) & it was started in 2014 with an intake of 24. The Dept. of EEE (UG) is accredited by NBA for three years. The Department houses qualified and well-experienced faculty and Non-teaching staff members. The department is striving hard towards academic excellence and stand out among Chittoor B.Tech colleges by having strong industry collaborations to make the students industry-ready. The department also encourages the students to participate in various technical symposia, workshops, internships, and industrial visits. The laboratories are well-equipped and that comprise Electrical Circuits, Electrical Machines, Power Systems, Power Converters and Drives, Electric Power Simulation, Control Systems, and Measurements Laboratories.

ONE WEEK VIRTUAL FACULTY DEVELOPMENT PROGRAM(FDP)

ON

**"Research Challenges,
Opportunities in Smart Grid with
Integration of Electrical Vehicles"
(RCOSGIEV-2021)**

**8th October 2021
to
12th October 2021**



CONVENER

Dr. A. HEMA SEK HAR

Professor & HOD



ORGANIZED BY
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

VEMU INSTITUTE OF TECHNOLOGY

Accredited By NAAC & NBA (EEE,ECE & CSE)
Approved by AICTE New Delhi, Affiliated to
JNTUA, Anantapuramu.

Near Pakala, P.Kothakota, Chittoor-517112, A.P

CHIEF PATRON:

Prof. K Chandra Sekhar Naidu,
Chairman

PATRON:

Dr. Naveen Kilari, M.Tech., Ph.D.
Principal

VICE PRINCIPAL:

Dr.D. Chandra Sekhar, M.Tech., Ph.D.

PROFESSOR. **EEE Dept.**

CONVENER

Dr. A. HEMA SEKHAR, M.Tech., Ph.D.
Professor & HOD

CO-ORDINATORS:

1. **M. Murali**, M.Tech.
Associate Professor
2. **D. Chinna Dastagiri**, M.Tech.
Assistant Professor

ORGANIZING COMMITTEE:

Mrs.A.Haritha, M.Tech, Assoc. Prof.
Mrs.N.Devasena,M.Tech, Assoc. Prof.
Mr.Babu Yadav,M.Tech, Assoc. Prof.
Mrs.K.Bhavani, Assoc.Prof
Mr.B.V.Arun Kumar, M.Tech.,(Ph.D), Asst. Prof.
Mr.G.Mallikarjuna,M.Tech, Asst.Prof
Mr.B.Anil Kumar, M.Tech, Asst.Prof
Ms.D.Janani, M.Tech, Asst. Prof
Mr.K.Hemadri M.Tech, Asst. Prof
Mr.L.Suresh, M.Tech, Asst. Prof
Mrs.M.Tejaswini M.Tech, Asst. Prof
Mr.A.Vinayakam M.Tech, Asst. Prof

ABOUT FDP

The proposed Faculty Development Programme provides a proper platform to participate for discussion and presentation of the “Research Challenges, Opportunities in Smart Grid with Integration of Electrical Vehicles”(RCOSGIEV-2021). It is a quality course providing forum for academic professionals to exchange their knowledge and state of art of afore said areas. The course content will be taught by eminent experts (IITs, NITs and Reputed Universities) in the field, having adequate teaching experience. This course will offer a unique opportunity to the researchers, and academicians working in this area to acquire knowledge in current and relevant topics in Electrical Engineering. This FDP provides deeper insight and knowledge to the participants about the Smart Grid and Electrical Vehicles in Electrical Engineering field.

TOPICS TO BE COVERED

- Demand side response Management
- Phasor Measurement Unit applications to Smart Grid
- Battery and Supercapacitor based hybrid energy storage system for electric vehicle application
- Model based SOC estimation Techniques for EV
- Introduction to EV power train

RESOURCE PERSONS

Dr. Vivekananda Mukherjee, IIT Dhanbad
Dr.M.Jai Bharat Reddy, NIT Trichy
Dr. N.K. Swamy Naidu, IIT BHU,Varanasi
Dr. K. Narasimha Raju, Prof KL University
Dr.Jammy Ramesh Rahul , NIT Tadepallegudem

FOR WHOM

The main aim of this FDP is to provide exposure to Faculty from academic institutes, Researchers, engineers and officers of power companies /corporations.

IMPORTANT DATES:

The last date of Registration on or before 07-10-2021.

Date of Event: 8th Oct 2021 to 12th Oct 2021

No Registration Fee

REGISTRATION LINK

<https://forms.gle/UJZN4pQzgV6v5rsp8>

E-Certificate will be provided to all the participants by providing their valuable feed back after completion of the session.

MODE OF PRESENT

ZOOM APP/ Google Meet

CONTACT DETAILS

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