



**ONLINE
FACULTY DEVELOPMENT PROGRAMME (FDP)
ON**

**ANSYS-EM for Electrical Engineering Application
(during 17th – 21st July 2023)**

Scheduled by

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Andhra Loyola Institute of Engineering and Technology**

Vijayawada-520008, Andhra Pradesh, India.

in Association with

**National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
(Sponsored by Ministry of Education, Government of India)**



Objectives of Course:

The participants shall be able to understand the concepts of Electrical vehicle Technology to design & optimization of various vehicle systems. This will give the knowledge to simulate electromagnetic fields and compute electrical parameters that govern electronic device behavior, also enabling to optimize product's performance. This FDP will cover the following concepts with hands-on sessions.

Major Course Contents:

- Introduction to Electrical Vehicle (EV) Technology
- Wireless Power Transfer
- Calculation of inductive coupling to design the coil topologies
- Fault-Tolerant Electrical Machine Design
- Noise-Vibration Analysis
- Estimation of Power Loss and Electromagnetic Forces
- Motor Design and Thermal Management
- ANSYS EM Strengths and Case Studies
- Hands-on Sessions

Eligibility:

The program is open to the Faculty of Engineering Colleges, Polytechnic colleges and other allied disciplines in India. Research scholars and Industry personnel working in the concerned discipline can also attend.

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

<https://fdp.nitttrchd.ac.in/backingup/>

Selection Criteria:

Selection will be done based on first-come-first-serve basis. The list of selected participants will be intimated through e-mail. Candidates will be issued satisfactory e-certificates on successful completion of the course.

***** Participants are limited to 25 only. (First cum First served basis)**

Important dates:

Last date for submission of Application	15/07/2023
Selection List by E- mail	16/07/2023
Duration	17/07/2023 to 21/07/2023

About NITTTR Chandigarh:

In realization of the need for training better quality technicians to meet the large scale industrialization of the country, the ministry of Human Resource Development (the then Ministry of Education), Government of India established four Regional Technical Teachers' Training Institutes. It was designed to meet the requirements of developing polytechnic education in the northern region covering the states of Jammu and Kashmir, Himachal Pradesh, Punjab, Haryana, Rajasthan, Uttar Pradesh, Uttarakhand, Delhi and Union Territory of Chandigarh. The Institute is registered under the Societies Registration Act, 1860 and is managed by a Board of Governors.

About ALIET:

Andhra Loyola Institute of Engineering and Technology (ALIET) is well known for its academic, placement excellence, and social service, established in the year 2008 at Vijayawada, Andhra Pradesh. An ISO 9001:2015 certified institution. Our Institution is accredited with 'A+' Grade by NAAC. Situated at the foothills of the Eastern Ghats of Vijayawada, the campus of ALIET has a verdant look. This green campus engenders a conducive and serene ambience, giving a fillip to the learners' zeal and enthusiasm. ALIET has an efficient, experienced and dedicated faculty to offer a holistic education to the students. The Andhra Pradesh State Skill Development Corporation (APSSDC) has established a skill development centre in collaboration with Siemens, to train the students. Nearly 3000 students have been trained so far.



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ABOUT THE DEPARTMENT:

The Department of EEE has been offering a full time four year B.Tech degree course since the inception of the institution. The department is provided with all required infrastructural facilities like well equipped laboratories, well qualified & dedicated faculty and technically sound supporting staff. It is continuously striving to impart quality education and competitive spirit among students for academic excellence. Many of our students' technical papers have been published in various national & international technical symposiums. The Department offers placements in various MNCs and Core companies. Also the department has been accredited by NBA.

VISION:

To mould the students as efficient Electrical & Electronics Engineers by providing quality education with skills and character to serve the society.

MISSION:

M1 - To provide high quality teaching and service that renders the students a supportive environment.

M2 -To impart holistic education and prepare the students to solve the problems by apply engineering principles to electrical systems.

CHIEF PATRON:

Rev. Fr. Dr. B. Joji Reddy, S.J

Secretary & Director

CHAIRMAN:

Dr. O. Mahesh,

Principal

PATRON:

Rev.Fr. D. Balaswamy, S.J

Assistant Director

CONVENER:

**Dr. G. Naveen Kumar,
Prof. & Head, EEE.**

Remote Center Coordinator:

Dr. M. Ajay Kumar,

Associate Professor,

Dept. of EEE,

**Andhra Loyola Institute of Engineering and Technology,
Vijayawada-520008.**

Email: ajaykumar@aliet.ac.in

Mobile:+91 9381237756

Organizing Committee:

- Mrs. V. Anantha Lakshmi (Ph.D), Assistant Professor
- Mr. G. Gantaiah Swamy (Ph.D), Assistant Professor
- Mr. L. Karunakar, Assistant Professor
- Mr. T. Krishna Mohan(Ph.D), Assistant Professor
- Mr. M. Rama Krishna, Assistant Professor
- Mr. M. Ramesh Kumar, Assistant Professor
- Mr. D. Ravi Kiran (Ph.D), Assistant Professor

Interested faculty members, please register:

<https://fdp.nitttrchd.ac.in/backingup/>