

## About GITAM, Hyderabad

The Gandhi Institute of Technology and Management (GITAM) was established in 1980 by a group of eminent intellectuals and industrialists, founded by Late. Dr. M.V.V.S.Murthi, visionary, industrialist, educationalist, philanthropist, and former parliamentarian. GITAM is in the fruitful fourth decade of its service to higher education. GITAM has become a diverse and dynamic undergraduate, postgraduate research institution, and its now led by Honorable President Shri. M. Sri Bharat, Member of Parliament. The university has been accredited by NAAC as an A++ grade university and recognized by UGC-MHRD as a category-'1' Deemed to be University.

## About the Department of EECE

The Department of EECE was started in the year 2009. and as a constituent institute of GITAM School of Technology, the department has been contributing to the growth of GITAM. The committed faculty of the department are quite active in handling research projects and they regularly publish their research findings in reputed journals and conferences.

### Chief Patron

**Sri M. Sri Bharat, Hon'ble President**  
(Member of Parliament)

### Patron

**Prof. D. Samba Siva Rao, Pro Vice-Chancellor**  
**Prof. V. Rama Sastry, Dean, Core Engineering**

### Chair Person

**Prof. T. Madhavi**  
HoD, Dept. of EECE, GST

### Convener

**Dr. P.V. Rama Krishna**  
Associate Professor,  
Department of EECE, GST, GITAM

## Course Objectives

The learner will understand

- Introduction to EV and various components.
- Motors Suitable for EV Applications
- Control of BLDC and PMSM for EV Applications
- Energy storage
- Electric vehicles and grid integration challenges
- Types of Electric Vehicles and future challenges
- Vehicle dynamics and power train mechanism
- MATLAB simulation of Electric Vehicles

## Activities

1. MCQ based questionnaire (Google Quiz).
2. Hands on practice in MATLAB sessions

## Resource Persons:

1. **Prof. K. Ragavan**  
Professor, Dept of EEE, IIT Gandhinagar
2. **Prof. B. Venkatesham**  
Professor, Dept. of ME, IIT Hyderabad
3. **Experts from Industry**  
National Instruments, VI Micro, MATHWORKS

## How to Apply :

Registration Link:

<https://forms.gle/TVriAesTdo311fAv7>

Registration: Free



Online Registration Link will be open from: 03/01/2025

Last Date of Registration: 20/01/2025

(Registrartion Kits will be provided to all the registered participants)

Course Hours: 20Hrs (Theory, Activities, and Evaluation)

## Who can attend?

This FDP is open to Faculty Members, Research Scholars and industry persons



## A THREE DAY FACULTY DEVELOPMENT PROGRAM ON EV Technologies: Developments and Challenges



**Date: 22nd - 24th Jan 2025**  
**Timing: 9:00 am to 4:00 pm**  
**Mode of Delivery: Offline**

**Organized by**

**Department of EECE**  
**GITAM School of Technology**  
**GITAM (Deemed to be University)**  
(NAAC A++ Accredited)  
**Hyderabad-502329**  
**Telangana, India**