

ABOUT THE FDP

The transportation sector is undergoing a transformative shift toward sustainability, driven by the increasing adoption of Electric Vehicles (EVs) and the integration of Artificial Intelligence (AI) technologies. This FDP aims to equip educators, researchers, and professionals with the latest knowledge and practical insights into how AI is revolutionizing the EV industry. The FDP will delve into the application of AI in various domains of EV technology such as Battery Management Systems (BMS), energy efficiency, smart charging infrastructure, and autonomous driving. The program's objective is to i) Introduce AI applications in EV ecosystem. ii) Enable participants to understand how AI enhances energy efficiency and battery life in EVs. iii) Understand the role of electric vehicles in promoting Sustainability and reducing carbon emissions, iv) Encourage interdisciplinary research and innovation in EVs for sustainable mobility.

TOPICS TO BE COVERED

- ❖ Solar-Powered Electric Vehicles: Optimal Power Management Strategies
- ❖ Medium Voltage High Power Single Stage EV Chargers
- ❖ Control of Electric Propulsion System
- ❖ AI for Integrated Smart Energy Systems in Electric Vehicles
- ❖ Design of Charging Stations and V2G Technology
- ❖ AI-Based Battery Management Systems (BMS)
- ❖ Design and Development DC Fast Charger for Multiple EVs
- ❖ AI-Empowered E-Mobility: Driving the Electric Revolution towards Sustainability
- ❖ EV charging technologies and future trends
- ❖ AI & Sensors in Modern EV Technology



CHIEF PATRONS

- Mr. P. Madhusudana Rao,**
Chairman, LIET, Vizianagaram
- Mr. P. Srinivasa Rao,**
Vice Chairman, LIET, Vizianagaram
- Mr. K. Siva Rama Krishna,**
Secretary & Correspondent, LIET, Vizianagaram

PATRON

- Dr. V. V. Rama Reddy,**
Principal, LIET, Vizianagaram

CONVENOR

- Dr. K. Subbaramaiah,**
Prof & H.o.D-EEE, LIET, Vizianagaram

COORDINATOR

- Dr. Parusharamulu Buduma,**
Assoc. Prof., Dept. of EEE, LIET, Vizianagaram

TECHNICAL COORDINATORS

- Mr. M. Satish,**
Assistant Professor, EEE, LIET, Vizianagaram
- Mr. V. Vykunta Rao,**
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One Week Online FDP On SMART MOBILITY: INTEGRATING AI WITH ELECTRIC VEHICLE TECHNOLOGIES (23 Mar 2026 – 28 Mar 2026)



Organized by

**Department of Electrical & Electronics
Engineering**



Lendi Institute of Engineering & Technology
An Autonomous Institution

Accredited by NBA & NAAC with 'A' Grade
Approved by AICTE and permanently affiliated
to JNTU-Gurajada, Vizianagaram, A.P:535005
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ABOUT THE INSTITUTE

Lendi Institute of Engineering and Technology is a premiere Institution is established in 2008 by a divine body of committed intelligentsia under the aegis of Sai Dhamam Educational Trust of Visakhapatnam to cater to the needs of young graduates of technology. It is on national highway near to both vizag and vizianagaram having a lush green campus with eco-friendly environment. Its vision is to produce globally competent and quality technocrats with human values for the holistic needs of industry and society. Ours is an **Autonomous College** and **permanently affiliated to JNTU Gurujada, Vizianagaram**. College is accredited by **NAAC with "A" Grade, NBA with four branches (ECE, EEE, MECH, and CSE)**. Lendi offers UG in ECE, EEE, MECH, CSE, CSIT, CSSE, and AIML courses. It also offers PG in four Engineering specializations. Efficient and experienced faculty members dedicated in teaching, encouraging students to have practical exposure, individual attention etc have made institute famous for its teaching traits. Offering counseling to the identified slow learners, student teacher adoption program, allocation of choice based internships to the students during vacation for the practical exposure, supplying Manuals for lucidity in the practical work are the extensive practices which made LENDI a hallmark for quality engineering education.

ABOUT THE EEE DEPARTMENT

Department of Electrical & Electronics Engineering is started in the year 2008 with a present intake of 120 and Power System and Control Automation in PG program with an intake of 18. The department is heading with an objective to develop industry ready engineers while meeting local industry needs. The department is an integral part of Lendi Institute of Engineering & Technology, Vizianagaram. Since inception the department has well experienced and committed faculty, who continuously strive for the benefit of the students and their career development. The strength of the department is its laboratory facilities besides good infrastructure. Department of EEE also has a dedicated R&D / Projects lab to carry research activities by the students and faculty. To enhance industry- institution interaction, the department has signed MOUs with reputed organizations. Faculties of the department continuously encourage /drive the students to involve in industrial visits, internships and also provide various training programs to enhance the technical skills of the students.

DEPARTMENTAL ORGANIZING COMMITTEE

- ❖ Dr. B.V.S Acharyulu, Professor
- ❖ Dr. P. Janaki, Assoc. Professor
- ❖ Dr. T. Papi Naidu, Assoc. Professor
- ❖ Dr. M. Venkateshwaran, Assoc. Professor
- ❖ Mr. K. Ravisanker, Assoc. Professor
- ❖ Dr K. Praveen Kumar Yadav, Asst. Professor
- ❖ Mr. V. Suresh Kumar, Asst. Professor
- ❖ Mrs. K. Anitha, Asst. Professor
- ❖ Mrs. K. Nagamani, Asst. Professor
- ❖ Mr T. Karthik, Asst. Professor
- ❖ Mr. A. Anil Kumar, Asst. Professor
- ❖ Mr. B. Ram Vara Prasad, Asst. Professor
- ❖ Mrs. K Ashwini, Asst. Professor
- ❖ Mr. U. Sri Anjaneyulu, Asst. Professor
- ❖ Mr J. Vijaychandra, Asst. Professor
- ❖ Mr. K. Veda Prakash, Asst. Professor
- ❖ Mrs. B. Vanajakshi, Asst. Professor
- ❖ Mrs. T.Sravya, Asst. Professor
- ❖ Mr. A. Bhaskar Rao, Asst. Professor
- ❖ Mr.G. Sanyasi Naidu, Asst. Professor
- ❖ Mr. B. Murali, Asst. Professor

RESOURCE PERSONS

- ❖ **Dr. Rajan Kumar Behra**, Associate Professor, Indian Institute of Technology, Patna, India
- ❖ **Dr. Rajesh Dey**, Director, Electrovent LLP, India
- ❖ **Surender Reddy Salkuti**, Associate Professor, University, Republic of Korea
- ❖ **Dr. Nishant Kumar**, Associate Professor, Indian Institute of Technology, Jodhpur, India
- ❖ **Dr. Sandeep Madishetti**, Principal R&D Engineer Lite-on Singapore Pte Ltd, Singapore
- ❖ **Dr.Ramesh Gugulothu**, Design and development engineer, intelux Electronic pvt Ltd, India
- ❖ **Dr. K Srinivas**, Manager R&D EV System, TVS motors company, Bangalore, Karnataka, India
- ❖ **Dr. Naveen Yalla**, Asst. Professor, Indian Institute of Technology, BHU, Varanasi, India
- ❖ **Dr. Priyatosh Mahish**, Asst. Professor, Indian Institute of Technology (ISM), Dhanbad, India
- ❖ **Dr. Madan Kumar Das**, Asst. Professor, National Institute of Technology, Jalandhar, India

TARGET AUDIENCE

- ❖ Post Graduate Students
- ❖ Research Scholars
- ❖ Faculty Members
- ❖ Industry Professionals.

REGISTRATION

There is no registration fee for participants. Maximum number of participants is 100. It is mandatory for all interested participants to register using the following url link or QR code.

<https://forms.gle/xD7wYfJFGxAHWCcs5>



IMPORTANT DATES:

Last date for registration: 21-03-2026.

Intimation for selected candidates: 22-03-2026.

CERTIFICATION:

The Certificates shall be issued to those participants. Eligibility Criteria for Participation Certificate.

- Attendance -80% Minimum
- Feedback against attended FDP

Note:

- FDP meeting links and other instructions will be shared via e-mail to all registered participants.
- The distinguished speakers are faculties from the prestigious institutions of our country (like IITs, NITs), Industry and other top institutes of the world.

6 Day Faculty Development Programmes 2025 -26 Schedule

FDP Title Smart Mobility: Integrating AI with Electric Vehicle Technologies

Start Date: 23-03-2026

End Date: 28-03-2026

Day 1 23-03-2026	Day 2 24-03-2026	Day 3 25-03-2026	Day 4 26-03-2026	Day 5 28-03-2026
<p>9:30AM to 10:00AM Inaugural Session</p>	<p>10:0AM to 12:00PM Session 3 Topic: Control of Electric Propulsion System Name of the Expert: Dr. Rajan Kumar Behra Designation & Organization: Associate Professor, Indian Institute of Technology, Patna, India. Years of Exp: 17 Year</p>	<p>10:0AM to 12:00PM Session 5 Topic: Design of Charging Stations and V2G Technology Name of the Expert: Dr. Priyatosh Mahish Designation & Organization: Assistant Professor, , Indian Institute of Technology(ISM), Dhanbad, India. Years of Exp: 12 Years</p>	<p>10:0AM to 12:00PM Session 7 Topic: Design and Development DC Fast Charger for Multiple EVs Name of the Expert: Dr. Madan Kumar Das Designation & Organization: Assistant Professor, Department of Electrical Engineering, National Institute of Technology, Jalandhar, India. Years of Exp: 10 Years</p>	<p>10:0AM to 12:00PM Session 11 Topic: EV charging technologies and future trends Name of the Expert: K Srinivas Designation & Organization: Manager R&D EV System, TVS motors company Hosur Bangalore, Karnataka, India Years of Exp: 15 Year</p>
<p>10:0AM to 12:00PM Session 1 Topic: Solar-Powered Electric Vehicles: Optimal Power Management Strategies Name of the Expert: Dr. Nishant Kumar Designation & Organization: Associate Professor, Indian Institute of Technology, Jodhpur, India. Years of Exp: 10 Years</p>				<p>2:00PM to 4:00PM Session 12 Topic: AI & Sensors in Modern EV Technology Name of the Expert: Dr. Rajesh Dey Designation & Organization: Director, Electrovent LLP, India Years of Exp: 26 Years</p>
<p>2:00PM to 4:00PM Session 2 Topic: Medium Voltage High Power Single Stage EV Chargers Name of the Expert: Dr. Naveen Y Designation & Organization: Assistant Professor, Department of Electrical Engineering, Indian Institute of Technology, BHU, Varanasi, India. Years of Exp: 10 Years</p>	<p>2:00PM to 4:00PM Session 4 Topic: AI for Integrated Smart Energy Systems in Electric Vehicles Name of the Expert: Surender Reddy Salkuti Designation & Organization: Associate Professor, Woosong University, Republic of Korea Years of Exp: 17 Years</p>	<p>2:00PM to 4:00PM Session 6 Topic: AI-Based Battery Management Systems (BMS) Name of the Expert: Dr.Ramesh Gugulothu Designation & Organization: Design and development engineer, intelux Electronic pvt Ltd, India. Years of Exp: 15 Years</p>	<p>2:00PM to 4:00PM Session 8 Topic: AI-Empowered E-Mobility: Driving the Electric Revolution Towards Sustainability Name of the Expert: Dr. Sandeep Madishetti Designation & Organization: Lead Engineer, Eaton Industries Pte Ltd, Singapore Years of Exp: 15 Year</p>	<p>4:00PM to 4:30PM Valedictory Session</p>