A ONE WEEK FACULTY DEVELOPMENT PROGRAMME (ONLINE MODE)

ON

RECENT TRENDS IN ELECTRIC VEHICLES

2nd September 2024 - 6th September, 2024

Certificate to all registered participants





In Collaboraiton with:



IET KLN



BTU, BIKANER

APPROVAL & AFFILIATION



BTER, JODHPUR



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Last Date of Registration : 26th August 2024 How to Apply : Participants are required to fill the online registration from

> Click Here for Registration https://forms.gle/cTE86Gg7pxA2qKxj6

ABOUT US

The world's primary modes of transportation are facing significant challenges due to rising oil and gas costs and increasing carbon emissions. Electric Vehicles (EVs) have emerged as a promising solution, offering independence from these drawbacks. With a growing number of EVs on the road, including BEVs, HEVs, PHEVs, and FCEVs, this mode of transportation is poised to replace traditional ICE vehicles. EVs integrate cutting-edge technologies and have the potential to revolutionize not only the transportation sector but also environmental and power systems. While Evs offer numerous benefits, including reduced greenhouse gas emissions and potential integration with smart grids, there are still challenges to overcome before widespread adoption. This FDP aims to provide a comprehensive overview of current EV technology, including architectures, battery energy sources, charging processes, and control approaches. By equipping young faculty members with indepth knowledge of this rapidly evolving field, we aim to foster research and innovation in the EV domain.

MAJOR COURSE CONTENT

- Field Oriented Control Application for Generation of PWM Pulses in EVs and DTC.
- Application of AI in Driver Assistance System
- Application of AI in improvement in Energy Management and Optimistion
- Autonomous Driving in EV
- EV Architecture
- Battery Energy Sources
- Charger Design
- Application of Smart Grid in Evs
- Track Design

ABOUT NIET

Northern Institute of Engineering Technical Campus, Alwar Established in 2011, our institution was founded by a young, dynamic, and educated individual from Alwar, who form the Group net Education & Welfare Society. Our goal is to provide quality education and contribute to the overall development of students in the region. NIET is approved by AICTE & Affiliated to Bikaner Technical Univertiy, Bikaner and Board of Technical Education, Jodhpur, Rajasthan.



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