



23rd June – 3rd July 2025

Chairman, EICT Academy &
Director MNIT Jaipur
Prof. Narayana Prasad Padhy

Chief Investigator, EICT Academy
Prof. Vineet Sahula, ECE

Coordinator, EICT Academy
Dr. Satyasai Jagannath Nanda, ECE

Co- Chief Investigators, EICT Academy
Prof. Lava Bhargava, ECE
Prof. Pilli Emmanuel Shubhakar, CSE
Dr. Ravi Kumar Maddila, ECE

Objective (Electronics & ICT Academy-Phase II)

- 1) To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY by promoting emerging areas of technology and other high-priority areas that are pillars of both the "Make in India" and the "Digital India" programs.
- 2) To promote synergy and collaboration with industry, academia, universities and other institutions of learning, especially in emerging technology areas.
- 3) To support the National Policy on Electronics 2019 (NPE 2019) which envisions positioning India as a global hub for ESDM sector, including MeitY Schemes/policies such as Programme for Semiconductors and Display Fab Ecosystem; India AI; National Programme on AI, Production Linked Incentive Scheme for IT Hardware & Large-Scale Electronics Manufacturing; EMC; SPECS; Chips to System (C2S); etc.
- 4) To promote standardization of FDPs through Joint Faculty Development Programmes.
- 5) To support the vision of the National Education Policy (NEP 2020), which mandates that Indian educators go through at least 50 hours in professional development programmes per year.
- 6) To design, develop & deliver specialised FDPs on emerging technologies/ niche areas/ specialised modules for specific research areas for Faculty in Higher Education Institutions (HEI), besides FDPs on multi-disciplinary areas connected with ICT tools and technologies and other digital hybrid domains, covering a wide spectrum of engineering and non-engineering colleges, polytechnics, ITIs, and PGT educators.

An intensive 40 Hours Training Programme in online mode is being jointly organized by 7 EICT Academies for faculty and doctoral students of engineering and technological institutions. It is also open to working professionals from industry/organizations. It aims to equip educators and researchers with basic and advanced knowledge to understand and apply **Electric Vehicles: Converters, Propulsion, and Control**. Hands-on sessions and demos are planned towards advanced learning. This FDP will be conducted online starting from **23rd June 2025 (4 hours/day)**.

Experts/Speakers-

Speakers from IITs/NITs/IIITs and industries

Programme Modules:

- Electric Vehicle Architectures
- Power Converters for EVs
- Contemporary and futuristic propulsion systems for EVs
- Battery Technologies and Battery Management Systems
- Fast and Wireless Charging for EVs
- Charging Infrastructure for EVs
- Fuel-cells, and Ultra-Capacitors for EVs
- DSP based control of Electric Motors
- Multiphase Motor Drives for EVs
- Vehicle body & Safety Systems

Principal/Jt-Principal Coordinators:

| | | |
|---|--|---|
| Dr. Neeli Satyanarayan, Jt-PC MNIT Jaipur 954 9650434 (M) | fdp.academy@mnit.ac.in | Prof. Tanuja Shorey, Jt-PC IIITDM Jabalpur |
| Prof. V. T. Somasekhara, PC NIT Warangal | Prof. Sanjeev Manhas, Jt-PC IIT Roorkee | Prof. M. P. Singh, Jt-PC NIT Patna |

Registration:

Registration is open to faculty, working professionals, industry persons, doctoral, postgraduate and graduate students from India and rest of the world. Participants will be admitted on first-come first-served basis. Register online at – (<http://online.mnit.ac.in/eict/>)

Registration Fee:

| Academia (faculty/Students): India/SAARC/Africa | Others: India/SAARC/Africa | Rest of the world |
|--|-------------------------------|-------------------|
| Rs. 500/- | Rs. 1000/- | US \$ 60/- |

- (A) Fee once paid will not be refunded back.
- (B) The fee covers online participation in the programme, tutorial notes and examination, certification charges etc.
- (C) The registration amount may be paid through online mode- NEFT/UPI/Cards/SWIFT, provided at the registration portal.
- (D) Detailed schedule will be shared after receiving registration form.

→ For Queries, email us at fdp.academy@mnit.ac.in



MNIT Jaipur one of the oldest NITs, the institute has a rich heritage of sixty years producing world class engineers, managers, architects and scientists. Ranked 43rd nationally in the NIRF ranking-2024 (Engineering), the institute offers learning opportunities for undergraduate, postgraduate students, and researchers in various domains. Having a lush green campus of over 317 acres within the heart of the pink city, close to Jaipur International Airport, the campus offers a safe and lively environment. A world class teaching infrastructure, state-of-art laboratories welcome you at the campus. The institute has a vision to impart education of international standards and conduct research at the cutting edge of technology.