



Experts/Speakers-

from

- IITs,
- NITs,
- Industry
- Academia

EICT Academy MNIT Jaipur

Chairman, EICT Academy &

Director MNIT Jaipur

Prof. Narayana Prasad Padhy

Chief Investigator: **Prof. Vineet Sahula**

Coordinator: **Dr. Satyasai Jagannath Nanda**

Co- Chief Investigators: **Prof. Lava Bhargava,**

Prof. Pilli Emmanuel Shubhakar,

Dr. Ravi Kumar Maddila

Objective (Electronics & ICT Academy-Phase II)

1) To conduct specialized FDPs for faculty/mentor training in line with the vision of MeitY in high-priority areas supporting the "Make in India" and the "Digital India" programs.

2) To promote synergy and collaboration with industry, academia, universities and other institutions of learning

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.

An intensive 40-Hour Training Programme in online mode is being organized for faculty, doctoral students of engineering and technological institutions. Working professionals from industry/organizations are also invited to attend. The main theme of the training program will be oriented around exploring the state-of-the-art methods for Smart Grid and AI-Based Energy Management: Tools, Techniques & Hands-On Approaches

Programme Modules:

Module 1: Smart Grid Monitoring & Real-Time Analysis: Evolving Disturbances Detection, Real-Time Power Flow Solutions, Wide Area Monitoring Tools, Communication Infrastructure in Distribution

Module 2: Electric Vehicles & Energy Markets: EV as Distributed Energy Storage, Peer-to-Peer EV Energy Markets, Blockchain for Energy Trading, EV Charging Infrastructure

Module 3: Protection & Control in Smart Grid: Protection of Smart Grid network, Adaptive Droop Control technologies for Smart Distribution Networks

Module 4: AI and Optimization Techniques in Power Systems: AI Inspired Power Systems, Fuzzy Logic and Its Types, Brown Bear & Chimp Optimization, LJ & Teacher-Learner Optimization

Module 5: Data-Driven Classification & Feature Engineering: Filter & Wrapper Feature Selection, KNN, Naive Bayes Classifier, Multi-label Classification, Hybrid Feature Selection Techniques

Module 6: Microgrid: Architecture, challenges & operation: Classification of Microgrids, component modeling, concept of Hybrid AC/DC Microgrid, steady state operations of Microgrids

Programme Coordinator

Dr. Akhilesh Mathur

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Registration:

Registration is open to faculty, working professionals, industry persons, doctoral, postgraduate, and graduate students from India and the rest of the world. Participants will be admitted on a first-come, first-served basis.

Registration Fee

Mode of programme	India/SAARC/Africa		Rest of the world
	Academia (faculty/Students)	Others	
Online	Rs. 750/-	Rs. 1500/-	US \$ 60/-

(18% GST extra)

- Fee once paid will not be refunded back; however, can be adjusted for a future programme.
- The fee covers online participation in the programme, tutorial, notes and examination, certification charges etc.
- The registration amount may be paid through online mode- NEFT/UPI/Cards/SWIFT, provided at the registration portal.
- Detailed schedule will be shared after receiving registration form

Register online at - <http://online.mnit.ac.in/eict/>

→ For queries, contact us at fdp.academy@mnit.ac.in

EICT Academy MNIT Jaipur



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 42nd nationally in the NIRF ranking-2025 (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.