



Online Programme on Blockchain & AI in HealthCare

June 16- June 20, 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 organized for faculty and doctoral students of engineering and technological institutions. It is also open to working professionals from industry/organizations. This FDP aims to provide the fundamental practical knowledge of Blockchain and AI and their transformative applications in the healthcare sector. By attending this FDP, participants will be able to get familiar with basic theory and algorithms used in Blockchain and AI, current technologies & Research challenges specific to Blockchain and AI in healthcare. This FDP will be conducted online starting from **June 16 to June 20, 2025.**

Experts/Speakers-

Dr. Vishwa's Patil, IITB
Dr. Jitendra Goyal, BIT Mesra
Prof. Jay Prakash kar, LNMIIT
Dr Aditi Sharma, Symbiosis University
Dr. Gaurav Chaudhary, Associate Professor, Department of Applied Mathematics and Computer Science
Mr. Mohan, Industry Expert
Dr. Mushtaq Ahmed, Associate Professor, CSE
Dr M A Hameed Professor, Osmania University
Dr Rashid Ali, Professor, AMU

Programme Modules:

Module 1: Blockchain Basics, History, Structure, Types, Blockchain network, etc., Cryptographic hashing, Markley tree, Mining & Mining Hardware Consensus Algorithms-(PoS, PoW, PoC, BFT, PBFT)
Module 2: Blockchain Security: Issues and challenges, cryptography, Blockchain in healthcare AI in Blockchain, Cybersecurity Engineering
Module 3: Ethereum, Solidity: Syntax & Structure, Smart Contract. Decentralized apps (dApp), MetaMask, Remix IDE etc. Smart contract: compilation, Deployment
Module 4: Blockchain in healthcare, Case Study-I: Vaccine Supply Chain Management (SCM), Case Study-II Blockchain in Healthcare, and Record management, Case Study-I (Testing and deployment)
Module 5: Hands-on Lab with Hardhat-1, Hands-on Lab with Hardhat-2, Panel Discussion and Valedictory

Principal Coordinator:

Dr. Mustaq Ahmed

8875641742, 9079383258 (M)

Registration:

Registration is open to faculty, working professionals, industry persons, doctoral, postgraduate and graduate students. Participants will be admitted on first-come first-served basis.

Register online at-

[\(http://online.mnit.ac.in/eict/\)](http://online.mnit.ac.in/eict/)



Registration Fee:

From Academia (faculty/Students): Rs. 500/-

Working professionals, Industry, research/technical staff & Others: 1500/-

(A) Fee once paid will not be refunded back.

(B) The fee covers online participation in the programme, tutorial notes and

examination, certification charges.

(C) The organizers should receive the registration amount through online mode- NEFT/UPI, provided at the registration portal.

(D) Detailed schedule will be shared after receiving registration form.

→ For any other query, email us at fdp.academy@mnit.ac.in