



Online Programme on "Blockchain & AI in HealthCare"

June 16th- June 20th, 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

The Electronics & ICT Academy at Malaviya National Institute of Technology (MNIT), Jaipur is one of the premier academies established by the Ministry of Electronics and Information Technology (MeitY), Government of India, under its national mission to enhance the skill levels in the areas of Electronics and Information & Communication Technology (ICT). This FDP aims to provide the fundamental practical knowledge of Blockchain and AI and their transformative applications in the healthcare sector.

Experts/Speakers-

Prof. Jay Prakash Kar, LNMIIT, Jaipur
Dr. Jitendra Goyal, BIT Mesra, Jaipur Campus
Dr. Mushtaq Ahmed, HoD, Dept. of CSE, MNIT Jaipur
Dr. Aditi Sharma, SIT, Symbiosis International University, Pune
Dr. M. A. Hameed Professor, Osmania University, Hyderabad
Dr. Rashid Ali, Professor, AMU
Dr. Vishwambhar Pathak, BIT Mesra, Jaipur Campus
Dr. Arjun Choudhary, Centre of Cyber Security, Jodhpur
Dr. Gaurav Chaudhary, University of Denmark
Mr. Vikas Kumar, Deputy Director, NIC, New Delhi
Mr. Mohan and Mr. Sahitya, Industry Experts
Dr. Pilli Emmanuel Subhakar, Dept. of CSE, MNIT Jaipur

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. Mushtaq Ahmed fdp.academy@mnit.ac.in

8875641742, 9079383258 (M)

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:

Mode of programme	Academia (faculty/Students): India/SAARC/Africa	Others: India/SAARC/Africa	Rest of the world
Online	Rs. 500/-	Rs. 1500/-	US \$ 60/-
Classroom	Rs. 2000/-	Rs. 4000/-	--

- (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 any other query, email us at fdp.academy@mnit.ac.in

