

Malaviya National Institute of Technology Jaipur

**E&ICT sponsored
Faculty Development Program
on**

Blockchain & AI in Healthcare

Date: 16/06/2025 to 20/06/2025 (Tentative Schedule)

	Session-1 9:00 AM -11:00 AM		Session-2 11:15 AM - 01:15 PM		Session-3 2:00 PM- 4:00 PM
Day-1 Monday	Blockchain: Basics, History, Structure, Types, Blockchain network, etc., Dr. vishwas Patil, IITB	Break (11:00 AM - 11:15 AM)	Cryptographic hashing, Markley tree, Mining & Mining Hardware, Dr. Jitendra Goyal, BIT Mesra	Lunch Break (01:15 PM - 2:00 PM)	Consensus Algorithms-(PoS, PoW, PoC, BFT, PBFT),
Day-2 Tuesday	Blockchain Security: Issues and challenges, cryptography Prof. Jay Prakash kar, LNMIIT		Blockchain in healthcare: Dr Aditi Sharma, Symobsis University		AI in Blockchain, Dr. Gaurav Chaudhary, Associate Professor, Department of Applied Mathematics and Computer Science <u>Cybersecurity Engineering</u>
Day-3 Wednesday	Ethereum, Solidity: Syntax & Structure, Smart Contract		Decentralized apps(dApp),MetaMask, Remix IDE etc.		Smart contract: compilation,deployment
Day-4 Thursday	Blockchain in healthcare, Case Study-I: Vaccine Supply Chain Management(SCM) Dr. Mushtaq Ahmed		Case Study-II Blockchain in Healthcare, and Record management, LNMIIT		Case Study-I (Testing and deployment)
Day-5 Friday	Hands-on Lab with Hardhat-1 Dr. jitendra Goyal, and Mr. Mohan Industary Expert		Hands-on Lab with Hardhat-2, Dr. jitendra Goyal, and Mr. Mohan Industary Expert		Valedictory