

Tentative Schedule for ATAL FDP on “Blockchain in Smart City: Emerging Technologies for the Next Decade and Beyond” under Thrust Area “Blockchain Technology”

Organized by

Department of Information Technology and Department of Computer Science & Engineering

National Institute of Technology Raipur

During September 19th -24th, 2022

Week-1(Online, Concepts/ Theory /Research Avenues)

Date & Day	Lecture Session-I (7:00-7:50 pm)		Lecture Session-II (8:00-8:50 pm)		Interactive session/Question Answers (9:00-9:30 pm)
19/09/2022, Monday	Inauguration and Lecture Session-I Introduction to Blockchain Technology Dr. Aparajita Ojha Indian Institute of Information Technology, Design and Manufacturing, Jabalpur (India)	BREAK	Lecture Session-II Cryptocurrency & Blockchain Technology Dr. Aparajita Ojha Indian Institute of Information Technology, Design and Manufacturing, Jabalpur (India)	BREAK	Question Answers (Dr. Sudhakar Pandey)
20/09/2022, Tuesday	Lecture Session-III Cryptography Depth of Blockchain Technology Dr. Ramesh Dharavath Indian Institute of Technology, Dhanbad, India		Lecture Session-IV Cryptography Depth of Blockchain Technology Dr. Ramesh Dharavath Indian Institute of Technology, Dhanbad, India		Question Answers (Dr. Preeti Chandrakar)
21/09/2022, Wednesday	Lecture Session-V Security Vulnerabilities in Ethereum Decentralized Applications Dr. Raju Halder Indian Institute of Technology, Patna, India		Lecture Session-VI Security Vulnerabilities in Ethereum Decentralized Applications Dr. Raju Halder Indian Institute of Technology, Patna, India		Question Answers (Dr. Sudhakar Pandey)
22/09/2022, Thursday	Lecture Session-VII Applications of Blockchain in Smart City Services Dr. Ajay Pratap Indian Institute of Technology (BHU), Varanasi, India.		Lecture Session-VIII Applications of Blockchain in Smart City Services Dr. Ajay Pratap Indian Institute of Technology (BHU), Varanasi, India.		Question Answers (Dr. Preeti Chandrakar)
23/09/2022, Friday	Lecture Session-IX Block Chain Technology Dr. Somanath Tripathy Indian Institute of Technology, Patna, India		Lecture Session-X Block Chain Technology Dr. Somanath Tripathy Indian Institute of Technology, Patna, India		Question Answers (Dr. Sudhakar Pandey)
24/09/2022, Saturday	Lecture Session-XI Blockchain Applications in 6G and Beyond Dr. Siba Narayan Swain Indian Institute of Technology, Dharwad		Lecture Session-XII Blockchain Applications in 6G and Beyond Dr. Siba Narayan Swain Indian Institute of Technology, Dharwad		MCQ-1

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During September 26th -30th, 2022

Week-2(Offline, Experiential learning/ Visit/ Post FDP assessment/Demo teaching sessions)

26/09/2022, Monday	27/09/2022, Tuesday	28/09/2022, Wednesday	29/09/2022, Thursday	30/09/2022, Friday
9:00 – 9:30 Inauguration	9:30 – 11:30 Dr. Debasis Das Indian Institute of Technology, Jodhpur. Blockchain for Smart Grid Applications	9:30 – 11:30 Dr. Souradyuti Paul Indian Institute of Technology, Bhilai. Blockchain in Fintech	9:30 – 11:30 A.M. Parial CEO, CHIPS, Raipur Blockchain Technology	09:30 – 11:30 Dr. Manu Vardhan NIT Raipur Block chain in E-Governance
9:30 – 11:30 Dr. Dhiman Saha Indian Institute of Technology, Bhilai Basic cryptographic primitives used in Block chain	11:30 – 12:30 Article 1 Discussion	10:30 – 12:30 Article Discussion Dr. Debasis Das Indian Institute of Technology, Jodhpur. Blockchain for Smart Grid Applications	11:30 – 12:30 Article 2 Discussion	11:30 – 12:30 MCQs
11:30-12:30 Lunch				
12:30 – 1:30 Travel for Visit IIT Bhilai Campus	12:30 – 1:30 Lunch	12:30 – 1:30 Lunch	12:30 – 1:30 Lunch	12:30 – 01:30 Lunch
1:30 – 4:30 Visit	1:30 – 3:30 Dr. Rajesh Ingle IIT Naya Raipur Application of Blockchain in Smart City	1:30 – 3:30 Dr. Debasis Das Indian Institute of Technology, Jodhpur. Blockchain for Smart Grid Applications	1:30 – 3:30 Dr. Preeti Chandrakar NIT Raipur Application of Blockchain in Smart Energy Management.	01:30 – 02:30 Reflection Journal
4:30 – 5:30 Travel back	3:30-4:30 Teaching Practice	3:30-4:30 Travel back	3:30-4:30 Teaching Practice	02:30-03:30 Feedback
				3:30– 04:30 Valedictory