



Dr. Shyama Prasad Mukherjee International Institute of Information Technology, Naya Raipur

(a Joint Initiative of Govt. of Chhattisgarh & NTPC)

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Faculty Research Interest Details for Outreach Internship Programme (OIP) 2024

S.No.	Faculty Name	Research Topics
1	Dr. Santosh Kumar	Metaverse, Federated Learning, Smart Healthcare, Blockchain, AI-Generated Incentive Mechanism, and communication Quantum computing and its applications, Homography, AI-Climate Resilience and Climate Change Privacy Computing Meets Metaverse: Diffusion-based Reinforcement Learning
2	Dr Bipin Chandra Mandi	DC-DC converter in Simulink based Design, Power management Circuits prototyping, and FPGA-based system design
3	Dr. Ruhul Amin	Blockchain Technology, Network Security, and Quantum Key Distribution, Internet of Things
4	Dr. Mallikharjuna Rao K	AI & ML, and Blockchain Technology applications: Image Processing, Health Care, Agriculture.
5	Dr.Mithilesh Kumar Chaube	Mathematical Modelling, Biofluid Dynamics, Numerical Methods
6	Dr. Srinivasa K G	Quantum AI, Generative AI, Natural Language Processing
7	Dr. Manoj Kumar Majumder	VLSI Circuits and Systems, Nanomaterials based gas sensor, Low power VLSI Interconnects and Through Silicon Vias
8	Dr. Kavita Jaiswal	Wireless Sensor Network, Internet of Things and Cloud Computing
9	Dr. Rajesh Ingle	Blockchain based federated learning, Edge Computing, Blockchain, distributed system security, language translation.
10	Dr Ramakrishna Bandi	Quantum Error correction, Algebraic coding theory, Quantum cryptography
11	Dr. Amit Agrawal	Case Writing, Marketing, Consumer Behaviour, Technology Adoption, Influencer Marketing. (For MBA ONLY)
12	Dr. Anurag Singh	AI, Machine learning, IoT, Smart and affordable healthcare, Smart agriculture, Quantum AI applications to healthcare, Biomedical signal and image processing, Speech processing
13	Dr. Satyanarayana Vollala	Hardware Security, Classifications of Network Protocols. Cryptographic Primitives.
14	Dr. Shrivishal Tripathi	Antenna for 5G/IoT, Artificial Intelligence in Electromagnetics, Machine/Deep Learning in RF Circuit Design,
15.	Dr. Sresha Yadav nee Ghosh	ELT, Language and Literature, Semiotic Analysis