

**List of Faculty members and Research Areas****NIST SUMMER RESEARCH INTERNSHIPS (NSRI) Program 2021**

Department/Centre	Name of the Mentor	Research Area/Project Detail
Computer Science Engineering (CSE)	Dr. K Hemant Kumar Reddy	Cloud computing, Fog computing & IoT
	Dr. Sudhir Ranjan Pattanaik	Wireless Sensor Network
	Dr. Rakesh Patra	Natural Language Processing
	Dr. Susmita Mahato	Steganography and Steganalysis
	Prof. Pradeep K Jena	Image/Video Pattern Analysis using Deep CNN
	Prof. Ranjit Kumar Behera	Fog Computing and Internet of Things
Electronics and Communication Engineering (ECE)	Dr. Sudhakar Das	Semiconductor Devices, Heterostructure Devices, High frequency circuits
	Dr. Rajesh Kumar Patjoshi	VLSI Design, VLSI design for Artificial Intelligence and Network Control System for IoT
	Dr. Satya Sopan Mahato	Artificial Intelligence, Nano Technology, Renewable energy, Semiconductor Memory
	Dr. ASIT KUMAR PANDA	Compact UWB MIMO-Diversity Antenna for 4G/5G communication
	Dr. Pradyumna K Patra	Antenna Engineering, Microwave Engineering, Electromagnetics, Metamaterial
	Dr. Sandipan Mallik	High-k Dielectrics, Thin Film Solar Cells
	Prof. M Suresh	Low Power Arithmetic Circuit Design
	Prof. Manoj Kumar Senapati	FPGA Based Design using Verilog
	Prof. Mitu Baral	Analog and mixed signal IC design, Digital design using VHDL and Verilog through FPGA
	Prof. Swadhin Mishra	MIMO-FBMC Wireless Communication
Electrical Engineering (EE, EEE)	Dr. Sachinanda Prasad	Power System State Estimation, Application of AI techniques to Power System, Smart Grid
	Dr. Murthy Cherukuri	Power System, Wide Area Measurement System
	Dr. Kunjabihari Swain	Biomedical Instrumentation, lot application to Biomedical Engineering
	Dr. Ashwini Kumar Nayak	Power System



NATIONAL INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)

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	Dr. Basant kumar Sahu	Robotics, Control System, Intelligent Control
	Dr. Preeti Ranjan Sahu	Power System
	Prof. Praneeth Kumar Pedapati	Multiple Autonomous Ground Vehicles
Civil engineering (CE)	Dr. Barada Prasad Sethy	Geotechnical Engineering
	Prof. Padminnee Samal	Water Resources Engineering
Mechanical Engineering (ME)	Dr. Souren Mishra	Computational Fluid Dynamics
	Dr. Parameswar Dash	Robotics assembly sequence generation
	Dr. Sushanta Kumar Sahu	Monkey deterrence system for vegetable farms (Computer vision and Remotely controlled Systems)
	Dr. B Sambhi Reddy	Green Sample Preparation Parameters Effect on Mechanical Properties
	Prof. Santosh Kumar panda	Fluid flow
	Prof. Nilesh Dalai	Composite Materials, Nanomaterials, Tribology Analysis, Polymer Science.
	Prof. Achyutananda Parida	Automobile Design
Applied Engineering Sciences	Dr. Duryodhan Sahu	Organic photovoltaic, Nano-composite polymer
	Dr. Sangita Kumari Swain	Hybrid nanomaterial
	Dr. Shrabani Mahata	Nanotechnology
	Dr. Ranjan Kumar Padhy	Nanotechnology, Drug solubilization, Surfactant catalysed reactions
	Dr. Manabendra Patra	Nanotechnology
	Prof. Sarita Sahu	Nano catalyst in organic synthesis
	Dr. Deepanjali Mishra	Photonics, Spintronics
	Dr. Asish Mahapatra	Condensed matter physics