

LIST OF MENTOR AND RESEARCH AREA

Sl. No	Name of the Mentor	Discipline/Department	Area of research and collaboration
School of Basic Sciences			
1	Dr.Tabrez Khan	Chemistry	Synthetic Organic Chemistry
2	Dr.Srikanta Patra	Chemistry	Design and development of Transition metal based Photocatalyst/Metal Mediated Organic Transformations (Catalysis/photocatalysis)
3	Dr. Kousik Samanta	Chemistry	Theoretical and computational quantum chemistry
4	Prof. V R Pedireddi	Chemistry	Hydrogen Bonding/Metal-Organic Bonded Supramolecular Chemistry
5	Dr. Biplab Paul	Mathematics	Number Theory and Analysis
6	Prof. Vasudeva Rao Allu	Mathematics	Complex Analysis
7	Dr. Sabyasachi Pani	Mathematics	Variational Inequalities, Complementarity Problems, Optimization Techniques
8	Prof.T V S SEKHAR	Mathematics	Numerical Methods and Computational Fluid Dynamics
9	Dr. Malay Kumar Bandyopadhyay	Physics	Open quantum systems, Statistical Physics
10	Dr. Niharika Mohapatra	Physics	Experimental condensed matter physics
11	Dr. Abhishek Chowdhury	Physics	Theoretical High Energy Physics
School of Earth, Ocean and Climate Sciences			
1	Dr. Nirupam Karmakar	Earth, Ocean and Climate Sciences	Indian monsoon dynamics, climate variability, data analysis
2	Dr. Syed Hilal Farooq	Earth, Ocean and Climate Sciences	Environmental Geology, Environmental Science, Hydrogeology, Hydrogeochemistry
School of Electrical and Computer Sciences			

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1	Dr Sudipta Saha	Computer Science and Engineering	AI assisted Internet of Things
2	Dr. Shreya Ghosh	Computer Science and Engineering	Machine Learning (NLP, AI Agent, Spatio-temporal Data Mining)
3	Dr. Padmalochan Bera	Computer Science and Engineering	Network Security, Cryptography, AI for Cyber Security, Federated Learning.
4	Dr. Narsa Reddy Tummuru	Electrical Engineering	Power Electronics, Microgrids, Electrical Vehicles and Renewable energy systems integration
5	Prof. C N Bhende	Electrical Engineering	Microgrids, Large scale integration of RE, EV infrastructure
6	Dr. Abhineet Prakash	Electrical Engineering	Power Systems Dynamic and Stability
7	Dr. Chandrasekhar Perumalla	Electrical Engineering	Integration and Control of Renewable Energy Systems, Design and Development of Smart Controllers for Microgrid/Smart Grid Systems, Wired and Wireless Power Transfers in Electric Vehicles, Multi-Level Inverters, Fault Tolerant Converters for Microgrids, Artificial Intelligence applications in Power and Energy Systems
8	Dr. Olive Ray	Electrical Engineering	Power Electronics
9	Dr. Ankit Dalal	Electrical Engineering	Electric machines and drives for EV, UAV and medical applications
10	Dr. Dipankar De	Electrical Engineering	Power Electronics Converters
11	Prof. Prasant Kumar Sahu	Electronics and Communication Engineering	Optical Wireless Communication
12	Dr. Srinivas Boppu	Electronics and Communication Engineering	Digital VLSI Design
13	Dr. Sayan Dey	Electronics and Communication Engineering	Electronic devices and sensors
14	Dr. N B Puhan	Electronics and Communication Engineering	Image processing, deep learning, AI

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15	Prof. Pravas Ranjan Sahu	Electronics and Communication Engineering	Communication Engineering, Communication Networks and Electric Vehicle Technology
16	Dr. Navjeet Bagga	Electronics and Communication Engineering	Semiconductor Device Modeling, TCAD simulation and Circuit Co-Design

School of Humanities, Social Sciences and Management

1	Dr. Sitakanta Panda	Humanities, Social Sciences and Management	Political Economics, Public Economics, Labour Economics, Law & Economics, Business Ethics, Entrepreneurship
2	Dr. Rajakumar Guduru	Humanities, Social Sciences and Management	English Language Teaching (ELT); Applied Linguistics;

School of Infrastructure

1	Dr. B Hanumantha Rao	Infrastructure	Geotechnical and Geoenvironmental Engineering
2	Dr. Mohammad Masiur Rahaman	Infrastructure	Computational Mechanics, Application of ML in Mechanics
3	Dr.Partha Pratim Dey	Infrastructure	Traffic Engineering
4	Dr. Jothi Saravanan T	Infrastructure	Structural Health Monitoring
5	Prof. Sumanta Haldar	Infrastructure	Soil-Structure Interaction, Geotechnical Earthquake Engineering, Offshore Geotechnics, High-Speed Railway
6	Dr. Remya Neelancherry	Infrastructure	Nanotechnology based wastewater treatment, waste to energy through microwave pyrolysis
7	Dr. Debasis Basu	Infrastructure	Transportation Planning & Traffic Engineering
8	Dr. U. C. Sahoo	Infrastructure	Pavement Engineering
9	Dr. Arindam Sarkar	Infrastructure	Water Resources Engineering

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School of Mechanical Sciences			
1	Prof. Mihir Kumar Das	Mechanical Sciences	Li-ion Battery Thermal Management, Electronic cooling , Two Phase Heat Transfer
2	Dr. Venugopal Arumuru	Mechanical Sciences	Aerodynamics, Fluid Mechanics, Heat Transfer
3	Dr. Satish Kumar Panda	Mechanical Sciences	Artificial Intelligence and Medical Image Processing
4	Dr Divyansh Patel	Mechanical Sciences	Advanced Manufacturing Processes
5	Dr. Srinivasa Ramanujam Kannan	Mechanical Sciences	Thermal Radiation
6	Dr. Pattabhi Ramaiah Budarapu	Mechanical Sciences	Fracture Mechanics, Batteries, Machine Learning
7	Dr. Prasenjit Rath	Mechanical Sciences	CFD/HT MODELING OF ENERGY STORAGE & BIOHEAT TRANSFER
8	Dr. Rahul Kumar	Mechanical Sciences	Energy harvesting and targeted energy transfer
9	Dr. Rahul Kumar	Mechanical Sciences	Nonlinear Energy harvesting and targeted energy transfer
10	Dr. Mahendaran Uchimali	Mechanical Sciences	Discrete Element models
11	Prof. V Pandu Ranga	Mechanical Sciences	Robotics and Manufacturing
12	Dr. Manas Ranjan Pattnayak	Mechanical Sciences	Research title: Development of an air bearing (journal and thrust) test rig for measurement of load-carrying capacity and frictional torque; Area of research: Air lubrication and Rotordynamics;
13	Dr. Maneesh Punetha	Mechanical Sciences	Multiphase flow, Nuclear Engineering, Hydrogen Storage, and Hydrogen Safety
14	Dr. Suman Deb	Mechanical Sciences	Metal Matrix composites, Deformation behaviour of material, Metal forming and plasticity.

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School of Minerals, Metallurgical and Materials Engineering			
1	Dr. Sivaiah Bathula	Minerals, Metallurgical and Materials Engineering	Functional Materials, Thermoelectric materials, powder metallurgy
2	Dr. Amritendu Roy	Minerals, Metallurgical and Materials Engineering	Functional and Energy Materials, Piezoelectric Harvesting, lithium and sodium ion batteries
3	Dr. Kodanda Ram Mangipudi	Minerals, Metallurgical and Materials Engineering	Computational Materials Science, Modelling and Simulation