



Institute of Infrastructure, Technology, Research and Management. Ahmedabad.

Ph.D. Admission for Spring Semester (2025-26)

Potential List of Supervisors and Research Area

DEPARTMENT OF CIVIL ENGINEERING

Sr. No.	Name of Faculty Member	Research Area
1	Dr. Himanshu Sharma	Water Resource Engineering
2	Dr. Manoj Langhi	Water Resource Engineering
3	Dr. Jai Devi Jeyaraman	Environmental Engineering
4	Dr. Yogesh U. Shah	Pavement Materials
5	Dr. Mahesh Mungule	Structural Engineering
6	Dr. Mamta Sharma	Structural Engineering
7	Dr. Jiten Shah	Transportation Engineering
8	Dr. Trudeau Dave	Geotechnical Engineering
9	Dr. Veerabhadra Rotte	Geotechnical Engineering
10	Dr. Rohan Kar	Water Resource Engineering
11	Dr. Nishant Sharma	Structural Engineering
12	Dr. Ayyanna Habal	Transportation Engineering

DEPARTMENT OF ELECTRICAL AND COMPUTER SCIENCE ENGINEERING

Discipline: Electrical Engineering

Sr. No.	Name of Faculty Member	Research Area
1	Dr. Abhishek Rawat	Drones, Robotics, Satellite navigation, Antenna
2	Prof. Axaykumar Mehta	Autonomous Aerial Vehicles, Multi-Agent Systems, Networked Control System
3	Dr. Dharmendra Sadhwani	Communication Systems, Active reconfigurable intelligent surfaces, Machine learning in comm ⁿ theory
4	Dr. Krupa Shah	AI & ML for power sys, drones, EVs, healthcare. IoT for industry applications and edge-cloud computing
5	Dr. Kshitij Bhargava	MOSFETs, Thin Film Transistors, Solar PVs, VLSI Circuit Design
6	Dr. Manjunath, K.	Power Systems, Renewable Energy, Grid connected VSCs to provide ancillary services
7	Dr. Priyesh Chauhan	Power Electronics, Power Systems, Electric Transport, Microgrids, Renewable Energy
8	Dr. Raghavendra Bhalerao	Digital Image Processing, Computer vision, Biomedical Instrumentation
9	Dr. Rahul Kumar	VLSI, Semiconductor Technology, Sensors & Detectors, AI/ML in Healthcare

Discipline: Computer Science & Engineering

Sr. No.	Name of Faculty Member	Research Area
1	Dr. Ram Narayan Yadav	Edge- Cloud Computing, Internet of Things, AI and Machine Learning in smart society, Design and Analysis of Algorithms for Distributed Systems
2	Dr Ravi Bhandari	Mobile and pervasive Systems, Intelligent Transportation systems, Internet of Things, Computer and Wireless Networks, AI
3	Dr Prasun Tripathi	Medical Image Analysis, Deep Learning, Multimodal AI
4	Dr Ashish Soni	Deep Learning, Machine Learning, Image Processing, Meta-heuristics Approach

DEPARTMENT OF MECHANICAL AND AERO-SPACE ENGINEERING

Sr. No.	Name of Faculty Member	Research Area
1	Dr. Dileep Kumar Gupta	Refrigeration and Cold Chain, Climate Change, Indoor Air Quality (IAQ), CO ₂ - trans-critical system and Eco-friendly Refrigerants, Thermal Engineering with Eco-Friendly and Energy Efficiency Systems
2	Dr. Navneet Khanna	Additive Manufacturing, Sustainable Manufacturing, Smart Manufacturing, Subtractive Manufacturing
3	Dr. Ajit Kumar Parwani	CFD, heat transfer, IC engines, renewable energy
4	Dr Pramod Bhingole	Materials and Manufacturing, process parameters optimisations
5	Dr Kumar Abhishek	Modeling and Optimization of Production Processes, Traditional and Non-traditional Machining of Difficult-to-Cut materials, Composite Machining, Additive Manufacturing
6	Dr. P L. Ramkumar	Materials and Manufacturing process, Polymers and Composites, Design optimization
7	Dr. Mithilesh K. Dikshit	Manufacturing, Metal cutting, Additive manufacturing, Molecular dynamics, Nanocomposites, Design for material and characterization, Sustainable materials, Polymer technology
8	Dr. Ganesh Iyer	1. Interfacial problems using Molecular Dynamics 2. Medical device innovation
9	Dr. Sumit Tripathi	Fluid Dynamics, Rheology, Emulsions, Multiphase Flow
10	Dr. Kamlesh Joshi	Machining of difficult-to-machine materials, ultraprecision machining and thermal modeling
11	Dr. Ajit Kumar	Drone Technology, Flight Mechanics and Control, Machine learning based modelling and Identification, Industrial IoT, Smart Instrumentation, Industry 4.0

DEPARTMENT OF BASIC SCIENCES

Sr. No.	Name of Faculty Member	Discipline	Research Area
1	Dr. Prakashkumar A. Dabhi	Mathematics	Banach Algebras and Harmonic Analysis
2	Dr. Mohit Kumar	Mathematics	Fuzzy sets and its applications, applied Optimization, Statistics
3	Dr. Manoj Choudhuri	Mathematics	Number Theory; Ergodic Theory; lie Groups and Topological Groups, Number Theory and Cryptography;
4	Dr. Sudhakar Chaudhary	Mathematics	Numerical methods for Partial differential equations
5	Dr. Ravi Kashikar	Physics	Phase transitions and Energy Materials
6	Dr. Brajesh Tiwari	Physics	Condensed Matter Physics: Magnetism, Superconductivity, Multiferroics, Energy Materials
7	Dr. Mahuya Bandyopadhyay	Chemistry	Heterogeneous Catalysis, CO ₂ Utilization, Waste water treatment
8	Dr. Sourav Das	Chemistry	Magnetism, Coordination Chemistry, Electrocatalysis

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

Sr. No.	Name of Faculty Member	Discipline	Research Area
1	Dr. Meera Vasani	English	Indigenous Literature, Eco-criticism, Diaspora Literature
2	Dr. Watitula Longkumer	English	Northeast India Literature, Indigenous Literature
3	Dr. Saurabh Sinha	Psychology	Psychology, Organizational Behaviour, and Human Resource Management
4	Dr. Shukkoor T.	Sociology	Health, Wellness & Society, Development and Social Change, Technology and Society, Infrastructure and society
5	Dr. Pravin Jadhav	Economics	Development Economics, International Business, Infrastructure Management