



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

Ph.D. Admission for Autumn Semester (2026-27)

Potential List of Supervisors and Research Area

DEPARTMENT OF CIVIL ENGINEERING

Sr. No.	Name of Faculty Member	Research Area
1	Dr. Anand Mehta	Remote Sensing Data Analysis
2	Dr. Jai Devi Jeyaraman	Environmental Engineering
3	Dr. Jiten Shah	Transportation Engineering
4	Dr. Himanshu Sharma	Water Resource Engineering
5	Dr. Mahesh Mungule	Structural Engineering
6	Dr. Mamta Sharma	Structural Engineering
7	Dr. Manoj Langhi	Water Resource Engineering
8	Dr. Trudeep Dave	Geotechnical Engineering
9	Dr. Veerabhadra Rotte	Geotechnical Engineering
10	Dr. Yogesh U. Shah	Pavement Materials
11	Dr. Rohan Kar	Hydrology and GIS
12	Dr. Nishant Sharma	Structural Engineering
13	Dr. Ayyanna Habal	Transportation Engineering (Pavement Engineering)

**DEPARTMENT OF ELECTRICAL AND COMPUTER SCIENCE
ENGINEERING**

Discipline: Electrical Engineering

Sr. No.	Name of Faculty Member	Research Area
1	Prof. Axaykumar Mehta	Autonomous Aerial Vehicles, Multi-Agent Systems, Networked Control System
2	Dr. Dharmendra Sadhwani	Wireless Communication
3	Dr. Krupa Shah	AI & ML for power sys, drones, EVs, healthcare; IoT for industry applications and edge-cloud computing
4	Dr. Kshitij Bhargava	Perovskite Solar Photovoltaics, Superconducting Quantum Circuits, Tunnel FETs
	Dr. Manjunath, K.	Power Systems, Renewable Energy Grid connected VSCs to provide ancillary services
1	Dr. Priyesh Chauhan	Power Electronics, Power Systems, Electric Transport, Microgrids, Renewable Energy
2	Dr. Raghavendra Bhalerao	Digital Image Processing, Computer vision, Biomedical Instrumentation, Robotics
3	Dr Rahul Kumar	VLSI, Semiconductor Devices, Sensors & Detectors, AI/ML in Healthcare, Solar Cells

Discipline: Computer Science & Engineering

Sr. No.	Name of Faculty Member	Research Area
1	Dr Ravi Bhandari	Mobile and pervasive Systems, Intelligent Transportation systems, Internet of Things, Computer and Wireless Networks, AI
2	Dr Ashish Soni	Deep Learning, Machine Learning, Image Processing, Meta-heuristics Approach
3	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

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	Sustainable, Additive and Subtractive Manufacturing
3	Dr. P L. Ramkumar	Materials and Manufacturing process, Polymers and Composites, Design optimization
4	Dr Pramod Bhingole	Materials Science and Manufacturing, Casting of alloys, Metal Foams and their applications, Metal Matrix Composites.
5	Dr. Sumit Tripathi	Experimental Fluid Dynamics, Rheology, Emulsions, Multiphase Flow, Droplet dynamics, Interface Science
6	Dr. Mithilesh K. Dikshit	Manufacturing, Metal cutting, Additive manufacturing, Molecular dynamics, Nanocomposites, Metal/polymer matrix composites, Design for materials and characterization, Sustainable materials, Polymer technology
7	Dr Kumar Abhishek	Modeling and Optimization of Production Processes, Traditional and Non-traditional Machining of Difficult-to-Cut materials, Composite Machining, Additive Manufacturing, Operation Management
8	Dr. Ganesh Iyer	Computational Materials Science (Molecular Dynamics, Dislocation Dynamics), Computational Solid Mechanics (FEM)
9	Dr. Ajit Kumar Parwani	Thermal Science
10	Dr. Kamlesh Joshi	Traditional and Non-traditional Machining of Difficult-to-Cut materials
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	Optimization, Fuzzy sets and its applications, Statistics
3	Dr. Manoj Choudhuri	Mathematics	Number Theory, Cryptography, Ergodic Theory, Lie Groups & Topological Groups
4	Dr. Sudhakar Chaudhary	Mathematics	Numerical Analysis, Partial Differential Equations
5	Dr. Ravi Kashikar	Physics	Theoretical Condensed Matter Physics
6	Dr. Brajesh Tiwari	Physics	Superconducting Quantum Circuits
7	Dr. Mahuya Bandyopadhyay	Chemistry	Material Chemistry, CO ₂ Utilization, Heterogeneous Catalysis, Wastewater Treatment

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