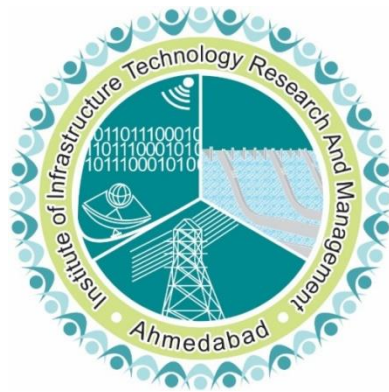


Institute of Infrastructure, Technology, Research And Management
Ahmedabad

List of Potential Supervisors



Ph.D. 2022-2023 (Autumn Semester) Admission

List of Potential Supervisor 2022-2023 for Autumn Semester

DEPARTMENT OF BASIC SCIENCES

Sr. No.	Name of Faculty Member	Research Area	Discipline
1	Dr. Mohit Kumar	Fuzzy optimization, Fuzzy reliability, Fuzzy statistics	Mathematics
2	Dr. Brajesh Tiwari	Condensed Matter Physics, Battery materials	Physics
3	Dr. Dheeraj Kumar Singh	Spectroscopy, Functional Nanomaterials, Solar Energy Materials	Physics
4	Dr. Sourav Das	Synthetic Inorganic Chemistry, Organic Inorganic Hybrid Materials, Molecular Magnets	Chemistry
5	Dr. Mahuya Bandyopadhyay	Catalysis, CO ₂ Sequestration, Gas adsorption and separation Material Chemistry.	Chemistry

DEPARTMENT OF CIVIL ENGINEERING

Sr. No.	Name of Faculty Member	Research Area
1	Dr. Himanshu Sharma	Hydraulics and Water Resources Engineering
2	Dr. Manoj Langhi	Hydraulics and Water Resources Engineering
3	Dr. Jai Devi Jeyaraman	Environmental Engineering
4	Dr. Yogesh U. Shah	Transportation Engineering
5	Dr. Jiten Shah	Traffic and Pedestrian flow modeling, Road safety
6	Dr. Mahesh Mungule	Structural Engineering
7	Dr. Mamta Sharma	Stability of structures

DEPARTMENT OF ELECTRICAL AND COMPUTER SCIENCE ENGINEERING

Sr. No.	Name of Faculty Member	Research Area	Discipline
1	Dr. Dipankar Deb	Renewable Energy (Wind, Solar, Fuel Cells, Bioenergy) Systems, Machine Learning, Adaptive Control Systems, Aircraft Flight Control (Fixed wing and Rotary wing)	Electrical Engineering
2	Dr. Axay Kumar Mehta	Sliding Mode Control, Networked Control System, Intelligent Control Multi-agent System, Unmanned Autonomous Vehicles	Electrical Engineering
3	Dr. Abhishek Rawat	Satellite Navigation, Antenna design, Peripheral Security, Robotics and Drones	Electrical Engineering
4	Dr. Priyesh Chauhan	Distributed energy resources, Battery energy storage and renewable integration, Off-grid generation, Microgrids, Power Conversion.	Electrical Engineering
5	Dr. Manish Sharma	Machine Learning, Signal Processing, Biomedical, Communication	Electrical Engineering
6	Dr. Krupa Shah	Condition Monitoring of Electrical Machines, Electrical Vehicles, Artificial Intelligence	Electrical Engineering
7	Dr. Kshitij Bhargava	Thin Film Photovoltaic, VLSI Design and Thin Film Transistors	Electrical Engineering
8	Dr. Raghavendra Bhalerao	Digital Image processing, Applications of IP to Remote Sensing, Medical Image analysis	Electrical Engineering
9	Dr. Dharmendra Sadhwani	Wireless Communications	Electrical Engineering
10	Dr. Manish Chaturvedi	Application of AI and Machine Learning Computer networking, IoT System Design, Scalable Protocol Design	Computer Science Engineering
11	Dr. Ramnarayan Yadav	Edge Computing, Internet of Things, Computer Networks	Computer Science Engineering

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

Sr. No.	Name of Faculty Member	Research Area	Discipline
1	Dr. Meera Vasani	Eco-Criticism, Indigenous Literature, Feminism, Diaspora Studies, Cultural Studies	English
2	Dr. Pravin Jadhav	International Business, Infrastructure Management, Behavioral and Experimental Economics.	Economics
3	Dr. Shukkoor T.	Health, Wellness & Society, Development and Social Change, Technology and Society, Infrastructure and Society.	Sociology
4	Dr. Watitula Longkumer	Indigenous Literature, Indigenous Knowledge Systems, Contemporary Indigenous Feminisms and related Indigenous women's history and literature	English

DEPARTMENT OF MECHANICAL AND AERO-SPACE ENGINEERING

Sr. No.	Name of Faculty Member	Research Area	Discipline
1	Dr. Pramod Bhingole	Manufacturing and material science, composites, Material processing and characterization	Mechanical Engineering
2	Dr. Gautam Choubey	Scramjet Combustion, Supersonic Combustion, Turbulence Modeling in High speed Flows, Shock boundary Layer Interaction, Aerodynamics, Computational Simulation of Blood Flow	Mechanical Engineering
3	Dr. PL. Ramkumar	Polymers and composites, Design, Material processing and characterization	Mechanical Engineering
4	Dr. Kumar Abhishek	Non-conventional machining, composite, decision making	Mechanical Engineering
5	Dr. Dileep Kumar Gupta	CO ₂ - trans-critical system and Eco-friendly Refrigerants, Thermal Engineering with Eco-Friendly and Energy Efficiency Systems, Refrigeration and Cold Chain, Indoor Air Quality (IAQ), Heat Transfer Simulation	Mechanical Engineering
6	Dr. Sumit Tripathi	Fluid Dynamics (Computational and Experimental), Rheology, Interface Science	Mechanical Engineering
7	Dr. Ajit Kumar Parwani	CFD, Heat Transfer, IC Engines, Environment, Renewable energy	Mechanical Engineering
8	Dr. Mithilesh Kumar Dikshit	Conventional & Nonconventional Machining, Machine tool vibration and control, Nanocomposite	Mechanical Engineering
9	Dr. Navneet Khanna	Sustainable Manufacturing, Additive Manufacturing	Mechanical Engineering
10	Dr. Ganesh Iyer	Solid Mechanics, Bioengineering and Medical device innovation	Mechanical Engineering
11	Dr. Kamlesh Joshi	Non-conventional machining, Machining of Ceramic Materials	Mechanical Engineering
12	Dr. Saurabh Kumar Yadav	Fracture Mechanics, Robotics, Lubrication and Oilfield	Mechanical Engineering
13	Dr. Ajit Kumar	Aircraft design, Aircraft System Identification, Flight Mechanics, UAV, Mechatronics, Machine Learning	Aero-Space Engineering
14	Dr. Jagat Jyoti Rath	UAV design and applications	Aero-Space Engineering

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