

Institute of Infrastructure, Technology, Research And Management
Ahmedabad

List of Potential Supervisors



Ph.D. 2021-2022 (Spring Semester) Admission

List of Potential Supervisor 2021-2022 for Spring Semester:

DEPARTMENT OF BASIC SCIENCES

Sr. No.	Name of Faculty Member	Research Area	Discipline
1	Dr. Prakash Dabhi	Banach Algebras and Harmonic Analysis on weighted (semi)groups	Mathematics
2	Dr. Sudhakar Chaudhary	Numerical Methods for Partial Differential Equations	Mathematics
3	Dr. Mohit Kumar	Fuzzy Optimization / Reliability	Mathematics
4	Dr. Brajesh Tiwari	Condensed Matter Physics	Physics
5	Dr. Dheeraj Kumar Singh	Spectroscopy, Advanced Materials, Nanomaterials, Renewable Energy	Physics
6	Dr. Sourav Das	Coordination Chemistry and its applications	Chemistry
7	Dr. Mahuya Bandyopadhyay	Material Chemistry, Heterogeneous Catalysis, Nanomaterials, Biofuels	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	Pavement Engineering
5	Dr. Anand Mehta	Remote Sensing Data Processing
6	Dr. Mahesh Mungule	Structural Engineering, Sustainable Construction Materials, Fracture mechanics
7	Dr. Mamta Sharma	Stability analysis of RC structures under seismic excitation

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 integration, Off-grid generation, Microgrids	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. Manjunath, K.	Microgrids, Power and Energy systems	Electrical Engineering
10	Dr. Dharmendra Sadhwani	Wireless Communications	Electrical Engineering
11	Dr. Manish Chaturvedi	Application of AI and Machine Learning Computer networking, IoT System Design, Scalable Protocol Design	Computer Science Engineering
12	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, Diaspora Literature, Indigenous Literature, Feminism in Indian English Literature, Cultural studies	English
2	Dr. Pravin Jadhav	International Business, Infrastructure Management	Economics
3	Dr. Shukkoor T.	Health, Wellness & Society, Development and Social Change, Infrastructure and Society, Profession and Ethics, Law and Justice	Sociology
4	Dr. Watitula Longkumer	Indigenous literatures, Indigenous Knowledge Systems, Contemporary Indigenous Feminisms and related Indigenous women's history and literature, The Literary and the Digital Humanities	English

DEPARTMENT OF MECHANICAL AND AERO-SPACE ENGINEERING

Sr. No.	Name of Faculty Member	Research Area	Discipline
1	Dr. Pramod Bhingole	Manufacturing and Materials Engineering	Mechanical Engineering
2	Dr. Gautam Choubey	Supersonic Combustion, Flow-field analysis of Supersonic combustor, CFD modelling of blood flow, Aerodynamics	Mechanical Engineering
3	Dr. PL. Ramkumar	CAD/CAM/CIM, Material Processing and Characterization, Polymer and Composite	Mechanical Engineering
4	Dr. Kumar Abhishek	Modeling and Optimization of Production Processes, Industrial Engineering	Mechanical Engineering
5	Dr. Dileep Kumar Gupta	Refrigeration, Indoor air quality, cold chain, thermal engineering, CFD, MEMS, Heat transfer in Bio Medicals	Mechanical Engineering
6	Dr. Sumit Tripathi	Computational and Experimental Fluid Dynamics, Complex Fluids, Interface Science	Mechanical Engineering
7	Dr. Ajit Kumar Parwani	CFD, Renewable energy, Inverse Heat Transfer, IC Engine. Pollution Control	Mechanical Engineering
8	Dr. Mithilesh Kumar Dikshit	Conventional and nonconventional machining process, Metal cutting, Nano composite	Mechanical Engineering
9	Dr. Navneet Khanna	Additive Manufacturing, Subtractive Manufacturing, Digital Manufacturing	Mechanical Engineering
10	Dr. Ganesh Iyer	Solid and applied mechanics, Modelling and simulation of material defects & defect structures, Epitaxial thin films & devices.	Mechanical Engineering
11	Dr. Kamlesh Joshi	Non-Conventional machining, Thermal modelling, Machining of hard to machine material	Mechanical Engineering
12	Dr. Saurabh Kumar Yadav	Fracture mechanics, lubrication, XFEM, Vibration	Mechanical Engineering
13	Dr. Ajit Kumar	Data-driven Modeling and Parameter Identification, Flight Mechanics and Control, UAVs	Aero-Space Engineering
14	Dr. Jagat Jyoti Rath	Human-Machine Interaction Control, Cooperative Control, Guaranteed Estimation, Aerial Robotics and Drones	Aero-Space Engineering

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