



**Research Areas Available for Special Drive for MS (By Research) and PhD Admissions in SC/ST categories (September 2024)**

Department /Centre	MS (By Research)	PhD
Computer Science and Engineering	Computational Complexity	Computer and Communication Networks
	Computer and Communication Networks	
Humanities and Social Sciences	Not Applicable	Philosophy (Phenomenology and Existentialism, Western Philosophy, Philosophy of Technology)
		History (Environmental history, Agrarian history, Animal history)
Electrical Engineering	Signal Processing and Imaging	Signal Processing and Imaging
	Power Electronics and Power Systems	Power Electronics and Power Systems
	Nanoelectronics, Optoelectronics, Semiconductor Devices	Nanoelectronics, Optoelectronics, Semiconductor Devices
	Control and Robotics	Control and Robotics
	Sensors, Measurements and Instrumentation	Sensors, Measurements and Instrumentation
	Digital VLSI Design	Digital VLSI Design
	Communication Engineering	Communication Engineering RF and Microwave Integrated Circuits, Antennas and Radar
Data Science	Computing Systems for AI	Computing Systems for AI
	IoT and Edge AI	IoT and Edge AI
	Natural language processing	Natural language processing
Chemistry	Not Applicable	Main group chemistry
		Fluorescence Spectroscopy
		Theoretical Chemistry and Molecular Simulations.
Civil Engineering	Water Resource Engineering	Water Resource Engineering
	Environmental Engineering	Environmental Engineering
Biological Sciences & Engineering	Not Applicable	Immunology
		Biomedical Applications of nanomaterials
Physics	Not Applicable	Experimental Condensed Matter
Mathematics	Not Applicable	Nonlinear analysis/ Partial differential equations
ESSENCE	-	Plant physiology
		Carbon and Nutrient Recycling in Forest Ecosystems
		Sustainable construction with recycled materials and life cycle analysis
Mechanical Engineering	Thermo-fluids Engineering, Solid Mechanics and Design, Materials and Manufacturing Engineering	Thermo-fluids Engineering, Solid Mechanics and Design, Materials and Manufacturing Engineering