



Research Areas Available for PhD Admission in July 2024

Department /Centre	Research Areas Available for PhD Admission in July 2024
Electrical Engineering	Signal Processing and Imaging
	Power Electronics and Power Systems
	Nanoelectronics, Optoelectronics, Semiconductor Devices
	Control and Robotics
	Sensors, Measurements and Instrumentation
	Digital VLSI Design
	Communication Engineering
	RF and Microwave Integrated Circuits, Antennas and Radar
Biological Sciences and Engineering	Experimental Biophysics
	Immunology (fundamental, immunotherapy, host-pathogen interaction, autoimmunity)
Civil Engineering	Structural Engineering
	Water Resources Engineering
	Geotechnical Engineering
	Construction Engineering and Management
	Construction Materials
	Environmental Engineering
	Transportation Engineering
Computer Science and Engineering	Theoretical Computer Science
	Computer Systems
Mathematics	Complex Analysis
	Nonlinear Analysis, Partial Differential Equation
	Numerical analysis
	Topology & Geometry
Data Science	Artificial Intelligence
	Computer Architecture
	Cryptography
	Gradient Aggregation
	Federated Learning
	Machine Learning
	Deep Learning
	Computer Vision
	Information Retrieval
	Natural Language Processing
Physics	Theoretical Physics
	Experimental Physics
	Biophysics in ME Department
	Weather radar studies in EE Department
Mechanical Engineering	Manufacturing and Materials Engineering
	Thermal and Fluids Engineering
	Solid mechanics and Design Engineering
ESSENCE	Sustainable building materials and technology
	Plant science
	Soil carbon sequestration
Chemistry	Geoinformatics
	Agricultural Engineering
	Earth and climate science
	Chemical Biology
	Theoretical & Biophysical Chemistry
	Computational Chemistry
	Inorganic Chemistry
	Materials Chemistry
	Fluorescence Spectroscopy
	Organic Chemistry
	Heterogeneous catalysis
Humanities and Social Sciences	Development Economics
	Mental Health

Research Areas Available for MS(By Research) Admission in July 2024

Department /Centre	Research areas to be added in the portal for MS(Research)
Electrical Engineering	Signal Processing and Imaging
	Power Electronics and Power Systems
	Nanoelectronics, Optoelectronics, Semiconductor Devices
	Control and Robotics
	Sensors, Measurements and Instrumentation
	Digital VLSI Design
	Communication Engineering
Civil Engineering	Structural Engineering
	Water Resources Engineering
	Geotechnical Engineering
	Construction Engineering and Management
	Construction Materials
	Environmental Engineering
Computer Science and Engineering	Theoretical Computer Science
	Computer Systems
Data Science	Artificial Intelligence
	Computer Architecture
	Cryptography
	Gradient Aggregation
	Federated Learning
	Machine Learning
	Deep Learning
	Computer Vision
Mechanical Engineering	Manufacturing and Materials Engineering
	Thermal and Fluids Engineering
	Solid mechanics and Design Engineering