

**FACULTY OPENINGS: Specializations Required**

**Applications received up to last date shall be considered for this round of selection**

Name of Department/School	Sub-areas/Specializations
Department of Civil Engineering	Structural Engineering
	Transportation Engineering
	Geotechnical Engineering
	Remote Sensing / GIS
	Water Resources Engineering
	Construction and Project Management (with experience in BIM and otherrelated software)
	Structural Engineering
Computer Science and Engineering	Cyber and Information Security
	Artificial Intelligence
	Machine Learning
	Data Science and Analytics
	Computer Animation and Gaming
	Computer Networks
	Cloud Computing
	High Performance Computing
	Software Engineering
	Cognitive Computing
	Quantum Computing

Name of Department/School	Sub-areas/Specializations
Electrical & Instrumentation Engineering Department	Power Systems
	Biomedical Engineering
	Power Electronics, Electric Drives
	Electric Vehicles
	Renewable Energy Systems, Smart / Micro Grids
	Biomechanics, Bioengineering thermodynamics, Bioprocessing
	Instrumentation and Control
	Power Systems, Power Electronics, Electric Drives, High Voltage Engineering, Electric Vehicles, Renewable Energy Systems, Smart/ Micro Grids, Biomedical Engineering (with a background in computer or signal processing related to biomedical applications), Instrumentation and Control
Electronics & Communication Engineering Department Electronics & Communication Engineering Department	Computing Technologies
	Wireless Communication
	RF, Microwave & Antennas
	VLSI / Electronic Systems
	Communication Systems
	Signal Processing
	Machine Learning & Artificial Intelligence
Mechanical Engineering Department For Mechatronics Engineering (BE in Electrical/Electronics/Computer Engineering)	Robotics
	Automation
	Machine learning
	Image Processing
	IoT

Name of Department/School	Sub-areas/Specializations
Mechanical Engineering Department For Mechanical Engineering (BE in Mechanical Engineering)	Electron Backscattered Diffraction (EBSD)
	High speed particle imaging for severe plastic deformation
	FEM Modelling/Simulation in Forming
	Elastodynamics
	Hygro-thermal analysis for composites
Department of Chemical Engineering	Energy
	Petroleum
School of Mathematics	Statistics
	Pure/Applied Mathematics
Department of Biotechnology	Pharmaceutical Technology
	Bioprocess Technology
	Plant Biotechnology
	Nanobiotechnology
School of Chemistry & Biochemistry	Physical Chemistry
	Organic Chemistry
	Inorganic Chemistry
School of Physics & Materials Science	Experimental Condensed Matter Physics (Magnetic Materials)
School of Humanities and Social Sciences	English Literature/ Communication Skills
	Psychology (Clinical/counseling/cognitive/Neuropsychology/experimental)
	Economics
	Financial Management
	French

Name of Department/School	Sub-areas/Specializations
School of Liberal Arts and Sciences	Art and Science of Mindfulness
	Biology, Beliefs and Behaviour: Man and the Monkey Business
	Chemistry and Physics through Biomimicry
	Comparative Culture through Movies
	Corporations, Politics and Society
	Economics and Ethics of Excellence
	Economics of Love and Living
	Ethics and Philosophy of Technology
	Mind, Media and Morality
	Philosophy of Science and Scientific Methods
	Philosophizing and Dreaming New India
	Qualitative Research Methods
	Quantitative Research Methods
	Seeing the World through Codes
Sense Making through Framing	
LM Thapar School of Management	Data Science
	Statistics and Research Methods
	Finance
	Operations Management
	HR Analytics
	Marketing
	Information Systems Accounting
	Critical Writing
	Economics