TENTATIVE AREAS FOR PH.D. ADMISSIONS – 2023-2024

Faculty of Technology and Engineering (Full-Time)

	Area	Number of Seats
Computer Engineering	Machine Learning and Deep Learning, Networks, Optimization	5
	Data and Web Mining, Natural Language Processing, Machine Learning, Deep Learning and their applications	1
	D2D Communication, Network Security, Blockchain Technology, Machine Learning, Deep Learning	2
	Wireless Networks	2
	Big Data Analytics, Community Detection and Prediction.	2
	Human Computer Interaction (BCI and Eye Tracking), AR/VR, Machine Learning/Deep Learning, Internet of Things and Cloud Computing	4
	Machine Learning, Deep Learning, IoT and Wireless Networks	1
	Machine Learning, Big Data Analytics, Healthcare	2
	Big data storage and Analytics	2
	Machine Learning, Deep Learning, Image Processing, Satellite Image Analysis	2
	Audio and Speech Processing, Machine Learning, Information Retrieval Systems	1
	Cloud Computing, Deep Learning and Cyber Security	2
	Medical Image Processing, Computer Vision, AI in Healthcare	2
	Natural Language Processing, Machine Learning/Deep Learning, Medical Image Processing, Hyperspectral Image Processing	1
	Machine Learning, Data Mining, Data Analytics	2
	Data Analytics	2
	Network and Information Security, Wireless Communications, Blockchain	2
Electrical Engineering	Power Electronics, Drives, and Power Quality Improvement	1
	Electrical Power Systems and High Voltage Engineering, Electrical Machines.	1
	Power Electronics applications to Power System, Power Quality, Artificial Intelligence based Power Electronic Systems	2
	Power System Optimization, Optimization Techniques	3
	Power electronic converters, On-board and off-board electric vehicle charger, battery management system for electric vehicle, renewable integration with grid, generation of electricity by waste water treatment	2
	Design, performance analysis, and optimization of Advanced Electrical Machines	1

Electronics & Instrumentation Engineering	Control Engineering, Soft computing Applications, Industrial Control System Design	6
	Industrial Automation & Robotics, Biomedical Instrumentation, Industrial Applications of Machine Learning, Sensors & Measurement Techniques	2
	Image Processing, Machine Learning, Signal Processing, Biomedical Instrumentation	3
Electronics & Communication Engineering	Digital communication, wireless communication, signal processing and remote sensing.	2
	VLSI Design and Test	2
	Analog mixed signal VLSI design, High speed Current mode circuit, biological process based analog circuits design, Chip design for Healthcare device application	3
	Embedded and VLSI Design, Machine Learning using Embedded Systems	2
	Wireless, Networks, Internet of Things Embedded Systems	2
	Optical Wireless Communication and Embedded system	2
	VLSI Design and Embedded System	1
	VLSI Design	3
	RF MEMS Design. Analog VLSI Design, Embedded system	1
	Computer Vision, Machine Learning, Image Processing	2