



List of University Approved Supervisor at IGDTUW

DEPARTMENT OF CSE

Prof. Devendra Kumar Tayal, Professor	Machine Learning, Data & Text Mining, Natural Language Processing, AI, Data Analytics, Big Data Analysis, Fuzzy Database Management, Intelligent Computing
Prof. S.R.N. Reddy, Professor	IoT, AIoT, Embedded systems, Mobile Computing, Wireless Sensor Network and Real Time Systems
Prof. Ela Kumar, Professor	Artificial Intelligence, Web Technologies, Natural Language Processing, Big Data Analytics.
Prof. Seeja K.R., Professor	Data Mining, Algorithms, Intelligent Computing, Machine Learning, Biometrics, Deep Learning
Dr. Vivekanand Jha, Assistant Prof.	Wireless Sensor Networks, Internet of Things (IoT), Computer Networks, Machine Learning
Dr. Ravinder M., Assistant Prof.	Image Processing, Video Retrieval, Image Retrieval, Machine Learning
Dr. Arunima Jaiswal, Assistant Prof.	Machine learning, Deep learning, soft computing, social media analytics, intelligent computing, big data analytics, social and semantic web.
Dr. Vijay Kumar Yadav, Assistant Prof.	Cryptography, network security, Blockchain.

DEPARTMENT OF IT

Dr. Amita Dev, Hon'ble VC	Artificial Intelligence, Big Data Analytics, Speech Translation Systems,
Prof. R.K. Singh, Professor	Software Engineering / Software Testing, Software Project Management
Prof. A.K Mohapatra, Professor	Information Security, Secure Wireless Net no works

Prof. Arun Sharma, Professor	Machine Learning, Software Eng., Big Data Analytics
Prof. Brijesh Kumar Professor	IOT, Drone and AI: IoT Smart Board Design and Testing, Drone Design and Testing, AI Applications. Semiconductor Devices and Circuits: VLSI Design, Digital System Design, Flexible Electronics, Devices & Circuits Modeling and Simulation.
Dr. Nonita Sharma Associate Prof.	Data Mining, Machine Learning, Wireless Sensor Network, IoT
Dr. Deepak Kumar Sharma Associate Prof.	Wireless Sensor Network, Network Security, Internet of Things Communication Protocols, Cloud and Fog Computing
Dr. Kalpana Yadav, Assistant Prof.	Software Reliability, Neural Network, Network security,, Deep Learning
Dr. Rishabh Kaushal, Assistant Prof.	Online Social Networks, Machine Learning, Deep Learning, Computer Vision, NLP, Computational Social Science
Dr. Mohona Ghosh, Assistant Prof.	Blockchain, Cryptography, Cyber Security Applications using Machine Learning, Network Security
Dr. Nisha Rathee, Assistant Prof.	Data Analytics, Data and Text Mining, Machine Learning, Social Media Analytics, Bio-inspired Optimization Techniques, Model Based Software Testing
Dr. Bhawna Narwal, Assistant Prof.	Information Security, Wireless Network Security, IoT Security, Cyber Security
Dr. Gaurav Indra, Assistant Prof.	Network Security, Internet of Things Communication Protocols, Distributed Consensus in Blockchain Ecosystem
DEPARTMENT OF ECE	
Prof. Ashwni Kumar, Professor	Optical Communication, Digital Signal Processing, VLSI, Strategic MGT, Telecom MGT
Prof. Jasdeep Kaur, Professor	VLSI, Analog, Mixed Mode Circuits and Systems Design
Prof. Nidhi Goel, Professor	Computer Vision, Multimedia Security, Medical Image Processing, Renewable Energy Resources
Prof. Vandana Niranjan, Professor	VLSI Circuits, Analog IC Design, Low Voltage CMOS circuits, Microelectronics

Dr. Maria Jamal, Assistant Prof.	Control Engineering, Electrical Engineering Smart Grid, Medical Engineering, Neural Network, Artificial Intelligence
Dr. Shobha Sharma, Assistant Prof.	VLSI design
Dr. Kanchan Sharma, Assistant Prof.	Optical and Wireless communication, Digital Image Processing, Microwave and antenna design, Signal processing, Wireless sensor network, Information security, IoT
Dr. Pankaj Gupta, Assistant Prof.	Power Systems, Power Electronics, Control Systems, Electrical Engineering & Renewable Energy Sources.
Dr. Richa Yadav, Assistant Prof.	Digital Signal Processing, Designing of Fractional Order Differentiators and Integrators, Optimization of Operators, Evolutionary Algorithms, Digital Image Processing
Dr. Greeshma Arya, Assistant Prof.	Wireless sensor network, Wireless Communication, Renewable Energy Sources, Network Security, Internet of Things, 5G network Technology, Artificial Intelligence, Deep Learning, cloud-edge-fog computing, computer vision
DEPARTMENT OF MAE	
Prof. N.R. Chauhan, Professor	Machine Design Engineering, Tribology Fluid Film Bearing, FEM Computation Engineering, Vibration, Alternate Fuels in IC Engines, Composite Material, Robotics & Automation, Manufacturing & Automation
Prof. Manoj Soni, Professor	Production Engineering, Industrial Automation-Industry 4.0, Prosthetics.
Prof. Arvind Kumar Jayant, Professor	SCM/GSCM/TQM, AI and Machine Learning, Simulation Modeling of Manufacturing Systems, Advanced Machining Processes, Manufacturing Automation, Green Manufacturing , Alternate Fuels, Composites, FMS, and Industry 4.0
Dr. O.K. Singh, Associate Prof.	Thermal Science and Engineering, Thermal Power Plant, Refrigeration and Air-Conditioning.
Dr. Subhash Singh, Associate Prof.	Advanced Manufacturing Processes, Materials Science, Mechanical behaviour of Materials, Advanced Composite Materials, Advanced Welding technology, Engineering Graphics, Manufacturing Planning and Control, Machining and Machine Tools, Unconventional Machining Process
Dr. Pankaj Tomar, Assistant Prof.	Tribology, Applied Mechanics, Green Manufacturing.
Dr. Deepti Chhabra, Assistant Prof.	Industrial Engineering, Manufacturing and Production Engineering, Manufacturing Automation, Green Manufacturing , Flexible Manufacturing System, and Industry 4.0
Dr. Shipra Aggarwal, Assistant Prof.	Manufacturing Automation, Tribology of fluid film bearings, Material Science, Machine Design Engineering

Dr. Vivek Chawla, Assistant Prof.	Robotics and Automation, Production Engineering and Management, Flexible Manufacturing Systems, Composite Materials, Industrial Engineering and Project Management, SCM/GSCM/TQM, AI and Machine Learning in Material Handling, Simulation Modeling of Manufacturing Systems, Advanced Machining Processes, Manufacturing Automation, Green Manufacturing.
DEPARTMENT OF APPLIED SCIENCES & HUMANITIES	
PHYSICS	
Prof. Chhaya Ravi Kant, Professor	Nanotechnology, Nano materials, Thin Film Technologies
Dr. Dinesh Ganotra, Associate Prof.	Applied Optics, Digital Image Processing, Optical Information Processing, Panoramic and 3-D Imaging
Dr. Priyanka Lochab, Assistant Prof.	Singular Optics, Beam propagation through random medium, Atmospheric turbulence, Adaptive optics
CHEMISTRY	
Prof. Ranu Gadi, Professor	Atmospheric Chemistry and Climate Change; Characterization and Source Apportionment of Atmospheric Aerosols; Biomass burning emissions; Speciation and Bioremediation of trace metals in water/wastewater; Synthesis, Characterization and Application of Nano-materials; Green Corrosion Inhibitors.
Dr. N. Bhavani Prasad, Assistant Prof.	Materials Science, Nanoscience and Nanotechnology
Dr. Shivani, Assistant Prof.	Atmospheric Sciences (carbonaceous aerosols, organic compounds and trace gases)
MATHEMATICS	
Prof. Shalini Arora, Professor	Mathematical programming, Combinatorial Optimization, Allocation Problems
Dr. Geeta Sachdeva, Assistant Prof.	Operations Research, Nonlinear Programming
ENGLISH	
Dr. Bhavya, Assistant Prof.	English Literature, Communication Studies
DEPARTMENT OF A&P	
Prof. Rashmi Ashtt' Professor	Urban planning: Infrastructure Planning, Sustainable Planning, Governance, Gender sensitive planning, Inclusive planning, Smart cities Architecture: Architectural Pedagogy, Digital architecture, Sustainable architecture, Intelligent Buildings, Gender specific Architecture

Dr. Monali Vinayak Wankar, Associate Prof.	Urban Conservation, Heritage Economics, GIS and smart Cities planning, Policies and governance, Restoration and rejuvenation, CSR, Arch and Interiors, Built Environment, Heritage cities
DEPARTMENT OF AI & DS	
Prof. Poonam Bansal, Professor	Artificial Intelligence, Machine learning, Data Analytics, Speech Technology
Dr. Shailesh D Kamale, Associate Prof.	Image and Video Processing, Language Processing, Data Analytics
Dr. Himanshu Mittal, Assistant Prof.	Computer Vision, Medical Image Analysis, Evolutionary Algorithms
DEPARTMENT OF MANAGEMENT	
Prof. Arvind Kumar Jayant, Professor	Supply Chain Management, Green SCM, Operation Management, TQM/TPM/JIT, Quality Management, Artificial Intelligence & Machine Learning