

## **University Approved Supervisors, IGDTUW**

<b>S. No</b>	<b>Name of Supervisors</b>	<b>Area of specialization</b>
<b>Department of Computer Science &amp; Engg. (CSE)</b>		
1.	Dr. Amita Dev	Artificial Intelligence, Big Data Analytics, Speech Translation Systems, Opportunistic Mobile Networks
2.	Prof. Ela Kumar	Artificial Intelligence, Web Technologies, Natural Language Processing, Big Data Analytics.
3.	Prof. Devendra Kumar Tayal	Fuzzy Database Management, Intelligent Computing, Data & Text Mining, Natural Language Processing, AI, Data Analytics, Big Data Analysis.
4.	Prof. S.R.N. Reddy	Computer Education, Embedded systems, Mobile Computing, Wireless Sensor Network, Real Time Systems
5.	Dr. Seeja K.R., Associate Prof.	Data Mining, Algorithms, Intelligent Computing, Machine Learning
6.	Dr. Ravinder M., Assistant Prof.	Image Processing, Video Tetieval, Image Retrieval, Machine Learning
7.	Dr. Vivekanand Jha, Assistant Prof.	Wireless Sensor Networks, Internet of Things, Computer Networks, Algorithms Design
<b>Department of Information Technology (IT)</b>		
1	Prof. R.K. Singh	Software Engineering / Software Testing, Software Project Management
2	Dr. A.K Mohapatra, Associate Prof.	Information Security, Secure Wireless Networks
3	Dr. Arun Sharma, Associate Prof.	Software Eng., Big Data Analytics, Cloud Computing, Business Intelligence
4	Dr. Kalpana Yadav, Assistant Prof.	Software Reliability, Neural Networks, Data Communication Networks.
5	Dr. Niyati Baliyan, Assistant Prof.	Knowledge engineering and semantic web, Data analytics and machine learning, Natural language processing, graph theory
6	Dr. Sourabh Bharti, Assistant Prof.	Service oriented wireless sensor networks, Edge and Fog computing, Data Aggregation in wireless sensor networks, Routing and MAC layer protocols for wireless sensor networks
8.	Dr. Mohona Ghosh, Assistant Prof.	Cryptography, Cyber Forensics, Cyber Security
<b>Department of Electronics &amp; Communication Engg.(ECE)</b>		
1.	Prof. Ashwni Kumar	Optical Communication, Digital Signal Processing, VLSI, Strategic MGT, Telecom MGT
2.	Dr. Jasdeep Kaur, Associate Prof.	VLSI, Analog, Mixed Mode Circuits and Systems Design
3.	Dr. Nidhi Goel, Associate Prof.	Embedded System, Computer Vision, Multimedia Security, Medical Image Processing, Renewable Energy Resources
4.	Dr. Maria Jamal, Assistant Prof.	Artificial Intelligence, Energy Management, Control Engineering , Biomedical Engineering, Sensors
5.	Dr. Richa Yadav, Assistant Prof.	Digital Signal Processing, Designing of Fractional Order Differentiators and Integrators, Optimization of Operators, Evolutionary Algorithms, Digital Image Processing

6.	Dr. Vandana Niranjana, Associate Prof.	VLSI Design, Low Power Low Voltage CMOS circuits, Mixed Signal design, BiCMOS Circuits, Microelectronics, Radio Frequency circuits, Analog Integrated Circuits.
7.	Dr. Akash Tayal, Assistant Prof.	Digital Signal Processing Machine Learning, Digital Image Processing (Medical), Big Data Analytic, Combinatorial optimization (Meta-Heuristic), Decision Science, Evolutionary Algorithms.
8.	Dr. Pankaj Gupta, Assistant Prof.	Power Systems, Power Electronics, Control Systems, Electrical Engineering & Renewable Energy Sources.
9.	Dr. Shobha Sharma	Digital VLSI design
<b>Department of Mechanical &amp; Automation Engg. (MAE)</b>		
1.	Dr. N.R. Chauhan, Associate Prof.	Machine Design Engineering, Tribology Fluid Film Bearing, FEM Computation Engineering, Vibration, Alternate Fuels in IC Engines, Composite Material, Robotics & Automation, Manufacturing & Automation
2.	Dr. Manoj Soni, Associate Prof.	Production and Automation Engineering, Prosthetics.
3.	Dr. O.K. Singh, Assistant Prof.	Thermal Science and Engineering, Thermal Power Plant, Refrigeration and Air- Conditioning.
4.	Dr. Pankaj Tomar, Assistant Prof.	Tribology, Applied Mechanics, Green Manufacturing.
5.	Dr. Shipra Aggarwal, Assistant Prof.	Mechanical Engineering, Automation, Tribology of fluid film bearings
6.	Dr. Vivek Chawla, Assistant Prof.	Robotics and Automation, Production Engineering and Management, Flexible Manufacturing Systems, Production Engineering & Management, Industrial Engineering and Project Management
<b>Department of Applied Sciences &amp; Humanities (ASH)</b>		
1.	Dr. Ranu Gadi, Associate Prof.	Atmospheric Sciences (carbonaceous aerosols, organic compounds and trace gases)
2.	Dr. Chhaya Ravi Kant, Associate Prof.	Nanotechnology, Nano materials, Thin Film Technologies
3.	Dr. Shalini Arora, Associate Prof.	Mathematical programming, Combinatorial Optimization, Allocation Problems
4.	Dr. Dinesh Ganotra, Assistant Prof.	Applied Optics, Digital Image Processing, Optical Information Processing, Panoramic and 3-D Imaging
5.	Dr. Geeta, Assistant Prof.	Operations Research, Nonlinear Programming
6.	Dr. N. Bhavani Prasad, Assistant Prof.	Materials Science, Nanoscience and Nanotechnology
7.	Dr. Bhavya Assistant Prof.	English Literature, Communication Studies