

**Department of Electronic Science University of Delhi, South Campus
Ph.D. Admission 2024-25**

List of Supervisors (Department), seats requirements and Major areas of Research

S.N.	Name of Supervisor	Major Research Areas	Number of Seats
1.	Prof. Harsupreet Kaur	Modeling and Simulation of semiconductor devices, circuits, sensor applications, RF & Microwave applications	03
2.	Sr. Professor Mridula Gupta	Modeling and Simulation of semiconductor devices	02
3.	Prof. Manoj Kumar Khanna	Material Science, Magnetic materials, VLSI, biosensors	02
4.	Prof. Kamlesh Patel	MIMO antennas for 5G & 6G, Feeding networks for Array antennas, Radar Signal Processing, Tunable Multi-band filters for 5G applications, Radar Cross Section reduction technique	04
5.	Dr. P. Koteswara Rao	Fabrication and Characterization of Nano Structured Semiconductor Materials and Devices	02
6.	Dr. Vanita Jain	Soft Computing, Artificial Intelligence and Machine Learning, Control Theory, Optimization Techniques and System Engineering	05
7.	Dr. Ashwani Kumar	RF and Microwave Passive Components, Antennas, MIMO antennas for 5G & 6G Communication, Metasurface and Metamaterial	02
8.	Dr Mukesh Kumar Khandelwal	Metasurfaces, Metamaterials, RF & Microwave, Antennas, Communication	02
9.	Dr. Biswajeet Mukherjee	Electromagnetics, Microwave Passive & Active components, Antenna Engineering, THz Nano antenna, Computational Electromagnetics	02
10.	Dr. Manoj Kumar Mukul	Speech and Biomedical Signal Processing, Brain-Computer Interface	02
11	Dr. Yogesh Pratap	Nano-electronics, VLSI, Bio-sensors	03
12	Dr. Vikram Kumar	Application of Microwave and Computational Electromagnetics	02

हरसुप्रीत कौर / Harsupreet Kaur
 आचार्य एवं अध्यक्ष / Professor & Head
 इलेक्ट्रॉनिक विज्ञान विभाग
 Department of Electronic Science
 दिल्ली विश्वविद्यालय दक्षिण परिसर
 University of Delhi South Campus
 नई दिल्ली-110021 / New Delhi-110021

List of Supervisors (Colleges), seats requirements and Major areas of Research

S.N.	Name of Supervisor	Major Research Areas	Name of College	Number of Seats
1.	Prof. Lalita Josyula	Electronic Materials Engineering	Sri Venkateswara College	01
2.	Prof. P.K.Shishodia	Material Science, Semiconductor thin film fabrication and Characterization. Photo voltaic devices and Sensors.	Zakir Husain Delhi College	02
3.	Prof. Geeta Mongia	Bio-electricity generation using microbial fuel cell technology	Bhaskaracharya College of Applied Sciences	01
4.	Prof. Geeta Bhatt	Non Collegiate Women's Education Board , University of Delhi	Nano material, Carbon Quantum Dots, optical sensors	02
5.	Prof. P Arun	Material Science	S.G.T.B. Khalsa College	01
6.	Prof. Avneesh Mittal	Material Science/ Smart Electronics	Bhaskaracharya College of Applied Sciences	01
7.	Prof. Jagneet Kaur Anand	Optical electronics, SPR sensors, optical waveguides and devices	Keshav Mahavidyalaya,	01
8.	Prof. Neha Sharma	Spintronics. Magnetic ultrathin films and heterostructure. Nanowires, nanoparticles. Applications & device fabrication to MMICs, Spin-transistors, Sensors, Nanoparticle based Cancer detection & therapy, etc.	Keshav Mahavidyalaya,	02
9.	Prof. Amit Kumar	Computational & Simulation Studies on Low dimensional Nano-structures for futuristic devices	Bhaskaracharya College of Applied Sciences	02
10	Prof. Anju Agrawal	Microelectronics	Acharya Narendra Dev College	01
11	Prof. Udaibir Singh	Material Science and Optics	Acharya Narendra Dev College	03

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12	Prof.Amit Jain	Material Science, Solar Cells	Rajdhani College	02
13	Prof. Sneha Kabra	Nanoelectronics, advanced Semiconductor device based sensors and digital circuits, Photovoltaic devices.	SRCASW	03
14	Prof. Ravneet Kaur	Short Channel Effects in advanced MOSFET structures	Acharya Narendra Dev College,	01
15	Dr. Manoj K Tiwari	Nanotechnology, Material Science	Bhaskaracharya College of Applied Sciences	01
16	Dr. Jitender Kumar	Material Science (Growth and Characterization of nanomaterial's suitable for photovoltaic applications /sensors)	Bhaskaracharya College of Applied Sciences	01
17	Dr. Inderpreet Singh	Material Science, Nanomaterials	SGTB Khalsa College	01
18	Dr. Manish Kumar	Artificial intelligence, Machine learning and Materials Science	Zakir Husain Delhi college	02
19	Dr. Rakhi Narang	Semiconductor Device Modeling and Circuit Simulation	Sri Venkateswara College	01
20	Dr. Sachin Kumar	Embedded Systems, Machine Learning, Artificial Intelligence. Cyber Physical Systems,	Atma Ram Sanatan Dharma College	02
Total Seats			62	

Harsupreet Kaur

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