

## **Faculty Members - Department of ECE, MNIT**

### **Head of Department**

Prof. M. M. Sharma - Professor

Qualifications: Ph.D.(ECE), M.Tech.(Computer Technology), B.E.(Electrical Engineering)

Research Interests: Satellite and Wireless Communication, Microstrip antennas and arrays, VLSI Design, RF and Microwave Engineering, Wireless Communications, Frequency Selective Surfaces, Absorbers and Rasorbers, Reconfigurable Antennas, Circular Polarized Antennas.

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### **Professors**

Prof. K. K. Sharma - Professor-HAG

Qualifications: Ph.D.(Signal Processing-IIT Delhi), M.E.(Electronics & Comm. Engg.), B.E.(Electronics & Comm. Engg.)

Research Interests: Signal and image processing, Fractional transforms, Electromagnetics, Wireless Communications.

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Prof. Rajendra Prasad Yadav - Professor-HAG

Qualifications: Ph.D.(Communication Engg), M. Tech.(Integrated Electronics and Circuits)

Research Interests: Error Control Codes and MIMO-OFDM, RF and Antenna Systems, Mobile and Wireless Communication Systems, Optical Switching and Materials, Mobile Adhoc and Sensor Network, Device Characterization and MEMS, Cognitive Radio Networks.

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Prof. Vineet Sahula - Professor-HAG

Qualifications: Ph.D.(EE VLSI, IIT Delhi 2001), M.Tech.(Int. EC & Ckts, IEC IITD 1989), B.E.(Electronics, MNIT 1987)

Research Interests: Resilience, Trust & Security in Hardware, EDA for VLSI/Embedded-Systems, Cognitive

## **Faculty Members - Department of ECE, MNIT**

Architectures.

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### **Associate Professors**

Dr. Amit Mahesh Joshi - Associate Professor

Qualifications: Ph.D.(Electronics & Communication), M. Tech.(Communication), B.E.(Electronics)

Research Interests: FPGAs, Security, Privacy and Forensics, VLSI Signal Processing architectures, Real Time Systems, Machine learning, Cyber Security, Biomedical Signal Processing.

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Dr. Kuldeep Singh - Associate Professor

Qualifications: Ph.D.(Computer Vision), M. Tech.(Signal Processing), B.E.(Electronics & Communication)

Research Interests: Machine/Deep Learning, Computer Vision, Biometrics, Cyber Security, Medical Image Analysis.

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Mr. Rakesh Bairathi - Associate Professor

Qualifications: M.Tech.(Electrical Engineering), B.Tech.(Electrical Engineering)

Research Interests: Microprocessor, Digital Systems And Computers, Computer Networks, Computer Architecture, Embedded Systems and IoT.

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Dr. Ravi Kumar Maddila - Associate Professor

Qualifications: Ph.D.(Telecommunications), M.Tech.(Opto Electronics & Laser Tech.), B.E.(Electronics & Telecomm.)

Research Interests: Optical Communication, Optical Wireless Communication, Free Space Optics, Daylighting,

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Optoelectronics, Integrated Optics and Photonics.

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Dr. Ritu Sharma - Associate Professor

Qualifications: Ph.D.(ECE), M.Tech.(VLSI), B.E.(Electronics and Communication)

Research Interests: Communication Engineering, Optics, Nanomaterials, Optoelectronics, Solar cell, Biophysics, MEMS, Pattern Recognition.

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Mr. Sanjeev Agrawal - Associate Professor

Qualifications: M.Tech.(Computer Tech.), B.E.(Electrical Engg.)

Research Interests: Microprocessor Based Systems, Distributed Database and Computer Networks.

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Dr. Satyasai Jagannath Nanda - Associate Professor

Qualifications: Ph.D.(Data Clustering & Signal Proc.), M.Tech.(Electronics & Comm. Engg.), B.E.(Electronics & Telecomm. Engg.)

Research Interests: Digital Signal Processing, Adaptive Signal Processing, Data Clustering, Neural Networks, Evolutionary Computing, Swarm Intelligence, Seismic Signal Processing.

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Dr. Tarun Varma - Associate Professor

Qualifications: Ph.D.(ECE), M.E.(ECE), B.E.(ECE)

Research Interests: Signal Processing, Computer Networks, Nano-electronic Devices, MNEMS.

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## **Faculty Members - Department of ECE, MNIT**

### **Assistant Professors**

Dr. Ankit - Assistant Professor

Qualifications: Ph.D.(Electronics and Communications), M. Tech.(Wireless and Optical Communications),  
B.E.(Electronics and Communication)

Research Interests: Molecular Communications.

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Dr. Bharat Choudhary - Assistant Professor

Qualifications: Ph.D.(VLSI Design), M. Tech.(Nano Science and Technology), B.Tech.(Electronics and Communication Engineering)

Research Interests: Analog & Digital VLSI Design, Microelectronics, Low power VLSI systems, Nanoelectronics Device Modeling and Simulation.

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Dr. Deepak Bharti - Assistant Professor

Qualifications: Ph.D.(Flexible Organic Electronics), M.E.(Microelectronics), B.Tech.(ECE)

Research Interests: Microelectronic Device Fabrication, Organic and Flexible Electronics, Thin Film Sensors, Triboelectric Nanogenerators, Energy Harvesting.

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Dr. Ila Sharma - Assistant Professor

Qualifications: Ph.D.(ECE), M.Tech.(ECE), B.E.(ET & T)

Research Interests: Signal Processing, Multirate Signal Processing, Digital Filters, Cognitive Radio.

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## **Faculty Members - Department of ECE, MNIT**

Dr. Menka Yadav - Assistant Professor

Qualifications: Ph.D.(Device Simulation and Modeling), M.Tech.(VLSI Design), B.E.(Electronics and Communication)

Research Interests: CMOS circuits, VLSI Design, MEMS, Device Characterization.

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Dr. Rajendra Mitharwal - Assistant Professor

Qualifications: Ph.D.(Microwave Engineering), M.Tech.(Electrical Engineering), B.E.(Electronics& Telecommunication)

Research Interests: Computational Electromagnetics.

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Dr. Reena Kumari - Assistant Professor

Qualifications: Ph.D.(RF and Microwave Engineering), B.E.(Electronics and Communication Engineering)

Research Interests: Dielectric Resonator Antenna, RF and Microwave.

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Dr. Sarthak Singhal - Assistant Professor

Qualifications: Ph.D.(Microwave Engineering), M.Tech.(Microwave Engineering), B.E.(Electronics & Telecomm. Engg)

Research Interests: RF & Microwave devices, Microstrip and Smart Antennas, Frequency Selective Surfaces, Rasorbers, VLSI Design.

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