

# NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND

## Department of Electronics Engineering

S.No.	Name of Faculty	Area of Research
1.	Dr. Hariharan Muthusamy	Biomedical Signal and Image Processing, Hyperspectral Image Processing, Soft Computing Methods for Microwave and Millimeter-Wave Design, Evolutionary Techniques for System Identification, Evolving Deep Convolutional Neural Networks, Speech Signal Processing
2.	Dr. Sarika Pal	Optical Communication, Optical Sensors, Optoelectronics, Communication System
3.	Dr. Siva Kumar Tadepalli	Multidimensional Systems, Finite Word length Effects, Delayed and Uncertain Systems, Discrete Control Systems, Robotics, Computer Vision
4.	Dr. Tajinder Singh Arora	Analog Circuit design, Analog Signal Processing, Current-mode circuits, Electronic Devices and Circuits.
5.	Dr. Hemant Kumar Singhal	Radio Frequency Active Circuits and Passive Circuits such as Power Amplifier, Baluns, low loss power combining topology, etc.
6.	Dr. Ghanapriya Singh	Signal Processing for IoT, Machine Learning, Deep learning, Context Awareness, Image Processing, Speech Processing, Bio medical signal processing
7.	Dr. Tushar Goel	Planar Antennas for Inter-satellite link and Future mobile technologies, Microwave Harvesting, Microwave Hazards on Ecosystem, Microwave applications for Bio-Medical, Information extraction from radar images using image processing, Radar signal processing, Target detection and estimation, Radar based remote sensing, Disaster Management.
8.	Dr. Pankaj Kumar Pal	Semiconductor Device Physics & Modeling, Novel MOS based Device-Circuit Co-design, Low-power Memory/SRAM circuits Design
9.	Mrs. Sarita Yadav	Device Circuit Interaction in multi-gate Devices, Low power FinFET devices, Novel MOS Devices, Semiconductor Device Physics & Modeling
10.	Mr. Nitanshu Chauhan	Modeling and simulation on Cryogenic FinFET/NCFET/MOSFET, Impact of Random Spatial Fluctuation in Non-Uniform Crystalline Phases on the Device Variation of NCFET, Effective Current Method for delay estimation in NCFET
11.	Mr. Vivek Kumar	Analysis of Thermal Effects in FinFET, Analysis of Thermal Effect in Nanosheet, Analysis of RF FinFET and Nanosheet transistor.