

List of PBI topic for ECE Discipline

Sno	Faculty Name	Email ID	Topic Offered
1	Dr. Manoj Singh Parihar	mparihar@iiitdmj.ac.in	Design and development of antenna for 4G/5G technology
			Design and development of filter circuits for 4G/5G technology
			Compact multiband antenna for mobile handset
			Reconfigurable printed circuits
			RF energy harvesting using Rectenna
			Integrated Filter and Active Antennas
2	Dr. Irshad Ahmad Ansari	irshad@iiitdmj.ac.in	Image/ Video Processing and Its application
			Audio Processing
			Bio-medical signal Processing
			Micro controller based / intelligent device development
3	Dr. Prabin Kumar Padhy	prabin16@iiitdmj.ac.in	Design of PID controller for SISO systems
			Design of PID controller for MIMO systems
			System Identification for SISO systems
4	Dr. Varun Bajaj	varunb@iiitdmj.ac.in	Classification of non-stationary signals
			Classification of Biomedical Images
			Time frequency analysis
5	Dr. Sachin Kumar Jain	skjain@iiitdmj.ac.in	Hardware Implementation of MPPT control of a PV system
			Design of an FPGA controlled electric drive
6	Dr. Dinesh Kumar V	dineshk@iiitdmj.ac.in	Investigation of Mux /Demux for Nanophotonic communication
			Graphene Antenna for THz communication
			Circularly Polarized curl antenna for beam steering
			Photonic crystal components for optical communication