SI. No.	Faculty Name	Email	Area of working	Broad Research areas
1	Dr. Mohd Mansoor K	mansoor@iiitg.ac.in	ESDM	Semiconductor Metamaterials for Quantum and Optical Communication via Optical-VLSI component design and ML
2	Dr. Surajit Panja	surajit@iiitg.ac.in	ESDM/IT	Coverage Control of Multi-Robot Systems
3	Dr. Sudip Biswas	sudip.biswas@iiitg.ac.in	IT/ITES	AI/ML-based RIS-Aided Integrated Sensing And Communication for Military Application
4	Dr. Bidisha Dasgupta	bidisha@iiitg.ac.in	ESDM	Metasurface based Antenna Design or Design of Metasurface based microwave components
5	Dr. Babita Jajodia	babita@iiitg.ac.in	ESDM	Digital Architectures for Post-Quantum Cryptography using FPGAs
6	Dr. Rakesh Biswas	b.rakesh@iiitg.ac.in	ESDM	1. Design and Development of a wearable ECG sensor node for stroke prevention. 2. Design and Development of Doppler Ultrasonography system for arterial abnormalities detection
7	Dr. Sheikh Wasmir H	sheikh.hussain@iiitg.ac.	IT/ITES	1. Design of a High-Peroformance and Energy-Efficient Associative Memory Architecture for Networking Applications 2. Master-Slave Match-Line Control Scheme of High Density Memristor-Based Content Addressable Memory
8	Dr. Komal Janghel	komal@iiitg.ac.in	IT/ITES	1. Covert Commiunication using Quntum Key Distribution, 2. Delay sensitive physical layer communication implementation under 6G communication for Dense IoT Network
9	Dr. Mourina Ghosh	mourina@iiitg.ac.in	ESDM	Neuromorphic system design using Memristor, Hadware design for Artificial Neural Network
10	Dr. Shilpa	shilpa@iiitg.ac.in	IT/ITES	Physical layer security in 6G
11	Dr. Bijit Kumar Das	bijit@iiitg.ac.in	IT/ITES	1. Signal and Information Processing over Adaptive Network: Smart Clasrooms, Hybrid Online Meeting. 2. Signal Processing
12	Dr. Rusha Patra	rusha@iiitg.ac.in	ESDM/IT	optical imaging, machine learning,
13	Dr. Shovan Barma	shovan@iiitg.ac.in	ESDM/IT	Deep Learning for Medical Image procesing, Biomedical Signal Processing, IC Design for SNN
14	Dr. Valmik Tilwari	valmik.tilwari@iiitg.ac.i	IT/ITES	AI/ML for future wireless communication

List of the interested Faculty Members and Broad Reasearch Areas in the areas of ESDM, IT, or ITES