

Department of Electronics Engineering

SL. No.	Project No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount including Manpower (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd-mm-yyyy)	Name of PI
1	DST(SERB)(334)/2022-2023/904/ECE	Detection of Platinol Drug Using 2D-Pd/Rh-Doped And Layered Transitional Metal Dichalcogenide Materials: A Dft-Based Approach	DST-SERB, New Delhi	0.9	07.01.2022	31.08.2022	Prof. Manodipan Sahoo
2	DST(SERB)(TETRA)(336)/2022-2023/910/ECE	Design And Investigation of High-Performance In0.52Al0.48As/In0.53Ga0.47As Mosfet With Optimized Switching Efficiency	DST-SERB(TETRA), New Delhi	30.1	30.05.2022	29.05.2024	Prof. Kaushik Mazumdar
3	DRDO(19)/2022-2023/914/ECE	Design And Development of Frequency Stable And High Q-Factor Optoelectronic Oscillator Assisted By Microwave Photonic Techniques	DRDO	30.77	09.07.2022	09.06.2025	Prof. Sanjeev Kr. Raghuvanshi
4	DST(SERB)(349)/2022-2023/945/ECE	Advanced Greedy Algorithms For Sparsity-Aided Generalized Online Caching	DST-SERB, New Delhi	15.21	11.01.2022	31.10.2024	Prof. Samrat Mukhopadhyay
5	DST(SERB)(356)/2022-2023/955/ECE	Design of A Webserver-Based Hybrid Physiological Sensor With Optical Cloth For Real-Time Health Specialist Care	DST-SERB, New Delhi	40.16	19.12.2022	18.12.2025	Prof. S.K. Raghuvanshi
6	MeitY/2022-2023/958/ECE	Capacity Building For Human Resource Development In Unmanned Aircraft System (Drone And Related Technology	Ministry of Electronics And Information Technology	150.91	23.12.2022	22.12.2027	Prof. R.K. Gangwar
7	IIITB COMET/2022-2023/959/ECE	Smart Radio Environments: Implementation And Deployment For Targeted Use-Cases	IIITB Comet	50.81	12.08.2022	12.07.2026	Prof. Samrat Mukhopadhyay
8	DST(SERB)(359)/2022-2023/962/ECE	Generation of High Chirp Rate Dual Chirp Microwave Waveform In Ku Band Using Novel Microwave Photonic Techniques For High Performance Radar Application	DST-SERB, New Delhi	33.84	22.12.2022	21.12.2025	Prof. S.K. Raghuvanshi
9	DST(SERB)(365)/2022-2023/969/ECE	Development of spectrally efficient low complexity fast sparse channel estimation algorithms for orthogonal time frequency space (OTFS) modulation scheme	DST-SERB, New Delhi	6.6	11.01.2023	10.01.2026	Prof. Himanshu Bhusan Mishra
10	DST(SERB)(370)/2022-2023/974/ECE	Multi-Carrier Waveforms for Intelligent Reflecting Surface (IRS) assisted Next-Generation Wireless Communication Systems	DST-SERB, New Delhi	19.8	13.01.2023	12.01.2026	Prof. Himanshu Bhusan Mishra

11	DST(SERB)(377)/2022-2023/988/ECE	Design and Development of Substrate Integrated Waveguide based Self-multiplexing Antennas for 5G communication systems	DST-SERB, New Delhi	58.03	10.02.2023	09.02.2026	Prof. Santanu Dwari
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