

Department of Electrical Engineering

Sl. No.	Title of The Project	Full Name of Funding Agency	Sanctioned Amount (in Lakh)	Start Date of Project (in dd-mm-yyyy)	End Date of Project (in dd- mm-yyyy)	Name of PI
1	Next-Generation Electric Braking: Designing Compact, Efficient, and Reliable Systems for Heavy-Duty Electric Transport and Beyond	Anusandhan National Research Foundation (ANRF)	57.82	04.06.2025	03.06.2028	Prof. Sethupathy S
2	The Smart Energy Metering and Billing System (SEMB): Enhancing EV Charging Infrastructure for Efficiency and Accessibility	IIT Bhilai Innovation and Technology Foundation (IBITF)	13.68	11.07.2025	10.07.2027	Prof. Srinivas Lakshmi Vedantham
3	Cyber resilient wide area control of inverter-based power networks	Anusandhan National Research Foundation (ANRF)	65.98	22.07.2025	21.07.2028	Prof. Priyatosh Mahish
4	Design and Development of Methane Gas Sensor for Underground Coal Mine Applications	Convergent Wireless Communications Private Limited, Bangalore	4.50	28.07.2025	27.07.2027	Prof. Sanjoy Mandal
5	Development of Robust Gas Hazard Monitoring System suitable for Underground gassy coal mines using DSET Filter and CNN	Wadhvani Innovation Network-Center of Excellence (WIN-CoE), Dhanbad	115.06	01.01.2026	31.12.2027	Prof. Tanmoy Maity
6	Design and Development of a Hybrid AC-DC Multi-Port Converter for Intelligent and Sustainable EV Charging	Anusandhan National Research Foundation (ANRF), New Delhi	62.66	20.03.2026	19.03.2029	Prof. Ashok Kumar
7	Indigenous Development of Hand-held Multigas Detector for underground coal mining for real time monitoring	Coal India Limited (Central Mine Planning & Design Institute Limited) [CIL(CMPDI)], Ranchi	44.63	23.03.2026	22.03.2028	Prof. Sanjoy Mandal
8	Development and Demonstration of a Solar Hydrogen Based Clean Cooking and Micro-Power Generation System for Rural Households	Indian Oil Corporation Limited (IOCL), Patna, Bihar	76.42	04.12.2025	31.12.2026	Prof. Gauri Shankar