

Recent R&D and Sponsored Research Projects

Sl No	Title	PI	Sponsoring Agency	Date of Sanction	Amount (INR in Lacs)	Duration
1	Test Bench Development for Investigating the Performance of Battery Energy Storage as Ancillary Services	Dr. T. Ghose, Dr. Debomita Ghosh, Dr. Junaid Akhtar	ERLDC (Grid Controller of India)	04/12/2023	34.22	1 year (2023-2024)
2	Brain Signal Controlled Wheel Chair	Dr. P. K. Upadhyay	ICMR	19/03/2023	31.01	3 Years (2022-2025)
3	Design of IoT enabled system for Precision Agriculture using AI based Supervisory Algorithm on Cloud Computing Platform	Dr. Aftab Alam	IDEAS-TIH- ISI Kolkata, NM-CPS	23/09/2022	5.14	1 Year (2022-2023)
4	Data Driven Smart Energy Management of Microgrid based cyber-physical system for precision agriculture	Dr. Sudhansu Mishra	IDEAS-TIH- ISI Kolkata, NM-CPS	23/09/2022	4.64	1 Year (2022-2023)
5	Secured Data Analytics for Microgrid Energy Management System Through Blockchain Technology	Dr. Deepak Kumar	SERB-Core Research Grant, DST	24/01/2022	25.21	3 Years (2022-2025)
6	Adaptive Irrigation Management System using Sustainable Energy	Dr. Debomita Ghosh	Coal India Ltd.	06/02/2022	20.06	2 Years (2022-2024)
7	Analysis, Design and Verification of coordinated control for laboratory prototype hybrid AC-DC microgrid with IoT based cloud computation platform	Dr. T. Ghose	RPS-AICTE	01/11/2019	10.50	3 Years (2019-2022)
8	Design of IoT Based Energy Management System Using Cloud Computing Platform	Dr. Aftab Alam	SERB-DST	01/04/2019	38.70	3 Years (2019-2022)
9	SMG-BIT (SKYMAP GLOBAL sponsored R & D project- Birla Institute of Technology), Agriculture Research Project.	Dr. S. K. Mishra	SKY Map Global	22/02/2019	7.5	1.5 Years (2019-2020)