

Ongoing various R&D / Industrial Projects

Sr. No	Name of Project/Consultancy	Funding Agency	Principal Investigator & CoPI	Sanctioned Amount (Rs.)	Dept. Involved	Current Status with date
1	Study of Tribological Behavior of Electroless Nickel Alloy and Poly-Alloy Coatings	CSIR,	Dr. Supriyo Roy (PI) & Dr. Goutam Kumar Bose (Co-PI)	1019000.00	ME	Ongoing
2	Designing new frustrated Lewis pair for small molecule activation	DST-SERB 30.08.2023	Dr. Santanab Giri	2218000.00	SASH	Ongoing
3	Microgel of sugar based heteroaromatic moieties: Synthesis, mechanism of gelation, antibacterial potency and computational study	SERB (TARE)	Dr. Gourisankar Roymahaopatra Mentor: Dr. Jhuma Ganguly, IEST-Shibpur	1830000.00	SASH	Ongoing
4	Understanding of the host-pathogen interaction in Mycobacterium Tuberculosis model system employing single molecule spectroscopy	ICMR-DHR 14.09.2020	Dr Sayantani Chall	2780691.00	SASH	Ongoing
5	Modeling and experimental validation for magnetophoretic SPLIT Flow Thin fractionation and Field Flow Thin fractionation in microfluidic protocol	CSIR-HRDG	Dr Abhishek Samanta	3199000.00	ME	Ongoing
6	Market Survey and Research for Assessing Customer Reaction on Sales, Services and Promotional Effectiveness of Branded Fuels in IOCL Retail Outlets under Haldia DO.	Indian Oil Corporation Ltd. (Marketing Division) 21.01.2023	Dr. Arunangshu Giri (PI) Dipanwita Chakrabarty (Co-PI)	25000.00	MBA	Ongoing
7	Study and suggest Coke tray base plate MOC for TATA Steel HMC Division Haldia	TATA Steel Haldia 05.05.2023	Prof. Goutam Kr. Bose	275000.00	ME	Ongoing
8	Synthesis and Characterization of Novel Nano Filled Polymeric Ion Membrane for Proton-Exchange Membrane Fuel Cells (PEMFC) and Pervaporative Separation	IICHE	S. B. Kuila, Biswajit Mandal	20000.00	CHE	Ongoing
9	Design and Development of Smart IoT-based Air Quality Detection and Monitoring devices for Industry 4.0"	The Institution of Engineers (India) R&D 25.05.2023	Dr. Jagannath Samanta	22000.00	ECE	Ongoing

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10	The Data-Driven Agriculture Model to Mitigate Climate Change Impact on the Rice Crop in Indo ASEAN countries"	ASEAN-India S&T Development Fund (AISTDF), (SERB)	Dr. Arindam Giri	1705000.00	CSE	Ongoing
11	Determination of reaction rates of the capture reactions $^{12}\text{C}(\text{p},\gamma)^{13}\text{N}$ and $^{24}\text{Mg}(\text{p},\gamma)^{25}\text{Mg}$ occurred in stellar atmosphere and an estimation of abundance of ^{24}Mg in AGB stars	SERB	Dr. Dibyadyuti Pramanik	2780600.00	AS	Ongoing
12	Rooftop Solar Photovoltaic Deep Neural Network Controller-Based Vector control PMSM Drive System for Modern Multipurpose Agricultural Application.	DST MNIC	Dr. Meghabriri Pramanik	9062000.00	EE	Ongoing
13	ASPIRE Physical Sciences	CSIR	Dr. Dibyadyuti Pramanik	2600000.00	EE	Received in March 2023
			TOTAL	27536291.00		