

List of Sanctioned research Project in Financial Year 2024-25					
APPLIED MECHANICS DEPARTMENT					
Sl.No.	Title of the Projects	Name of the Funding Agency	Name of Principal Investigator / Co-PI	Sanction Date	Sanctioned Amount in Rs.
1	RES-VSSC-2022-014: Determination of poroelastic parameter (Biot's constant) of an ablative decomposing composites (anisotropic) material under high temperature for aerospace launch vehicle application	ISRO, Bengaluru	Dr. Ashutosh Mishra	11.06.2024	2,671,840
2	Computational modelling for design of insensitive munitions and storage configuration to mitigate sympathetic detonation in munitions	Ministry of Defence, DRDO, Pune	Dr. A. K. Upadhyay Dr. A.K. Tiwari Dr. Ashutosh Mishra	09.07.2024	3,964,800
3	Multiphysics modelling of lightning strike, prediction of damage and subsequent performance analysis of composite panels	AR&DB, DRDO, New Delhi	Dr. Ashutosh Kumar Upadhyay	17.03.2025	5,974,393
BIOTECHNOLOGY DEPARTMENT					
1	International Conference on "Advancements in Diagnostic Technology: Global Healthcare Monitoring (ADT-2024"	UPCST, Lucknow	Dr. Manisha Sachan.	24.07.2024	100,000
2	Integrated machine learning and genomics based approach to develop novel diagnostic markers for colorectal cancer (PID 3841)	UPCST, Lucknow	Dr. Ashutosh Mani.	14.08.2024	1,536,000
3	Selenium and fatty acid enriched microalgae production from wastewater as a sustainable feed for aquaculture"	DST, New Delhi	Dr. Joyabrata Mal.	11.07.2024	3,369,064
CHEMICAL ENGINEERING DEPARTMENT					
1	Co-gasification of biomass and petroleum coke for production of hydrogen-rich syngas: Kinetics and thermodynamic analysis'"	Indian Institute of Chemical Engineers (IChE), Kolkata	Dr. Suantak Kamsolian Dr. A. N. Sawarkar,	17.11.2023	100,000
2	Biopolymer and natural fibre based green composites to redress food packaging materials for sustainable development	DST New Delhi	Er. Nandini Vishwakarma	11.09.2024	2,695,680
CHEMESTRY DEPARTMENT					
1	Dyedauxiliary group strategy based visible light mediated photocatalystfree synthetic applications of arylazo sulfones	DST, New Delhi	Dr. Ruchi Chawla	09.09.2024	3,746,160
CIVIL ENGINEERING DEPARTMENT					
1	River Health Monitoring	IIT Kanpur supported by NMCG, Department of Water Resources	Dr. Kanika Saxena	08.11.2024	1,000,000
COMPUTER SCIENCE & ENGINEERING DEPARTMENT					
1	Portable 3D S-Ray Imaging Diagnostic Tool for early disease detection of TB and Chronic Obstructive Pulmonary Diseases Copd	CSIR, New Delhi	Dr. Rajitha B	18.06.2024	2,282,000
2	Information Security Education & Awareness (ISEA-Phase III)	DeitY, New Delhi	Dr. R. S. Yadav	19.06.2024	20,160,000

3	Lightweight Plant Request System for the Creation of Optimum Germination Schedule	कार्यालय प्रभागीय निदेशक सामाजिक वानिकी प्रभाग प्रयागराज	Dr. Divya Kumar		50,000
ELCETRICAL ENGINEERING DEPARTMENT					
1	Sustainable & Smart Charging Infrastructure for Electric Ferries in Inland Waterways (PID - 4313)	UPCST, Lucknow	Prof. Asheesh Kumar Singh	01.08.2024	2,008,000
2	Design and Analysis of Simultaneously Gtransmitting and Reflecting RIS for Underwater Optical Wireless Communication System	IIT Guwahati TIDF	Dr. Shubh Lakshmi Dr. Debajit Sarma, IIT Guwahati Co-PI	26.12.2023	1,500,000
ELCETRONICS & COMMUNICATION ENGINEERING DEPARTMENT					
1	Design of Smart MIMO Antenna with Efficient Spectrum Utilization Feature using ML Algorithms for 5G and Beyond Communication System (Project ID - 3656)	UPCST, Lucknow	Dr. Anand Sharma	01.08.2024	1,808,000
2	A Simulation and Experimental Study on Screening the Best Materials Combination for Specific Target Detetion in Plasmonic Sensor Using Machine Learning Techniques (PID-4141)	UPCST, Lucknow	Prof. Y. K. Prajapati	12.08.2024	1,436,000
3	Prototyping of Smart Antenna with Efficient Spectrum Management Features using Machine Learning Techniques for 6G Communications System	Telecom Centre of Excellence India (TCOE India)	Dr. Anand Sharma	18.09.2024	3,071,816
4	ITS on "IEE International symposium on Antennas and Propagation and ITNC-USNC-URSI Radio Science Meeting Italy	SERB, New Delhi	Mr. Piyush Mishra, (Young Scientist) .	19.11.2024	88,350
5	Asia-Pacific Microwave Conference (APMC 2024)	ANRF/SERB, New Delhi	Dr. Arun Kumar Saurabh (Young Scientist), .	13.01.2025	109,133
6	Design and Development of High-Gain, Wideband Beam-Steerable Reflectarray Antennas for 5G mm-Wave and 6G sub-THz Applications	SERB, New Delhi	Dr. Arun Kumar Saurabh	23.03.2025	5,844,480
GIS CELL					
1	Airborne LiDAR data quality assessment (LITD 0057)	Bureau of Indian Standards, MoCAFP	Dr. Manohar Yadav,	21.02.2025	989,956
MECHANICAL ENGINEERING DEPARTMENT					

1	Techno-Economic, Environmental and Social Impacts of Utilizing Biodegradable Waste: A Study on north, North-East and South India	ICSSR, New Delhi (under the special call for Vision Viksit Bharat@2047 (VVB@2047)	Dr. Bireswar Paul, MNNIT Prof. Debasis Neogi, NIT Agartala Dr. Biswanat Bhunia NIT Agartala Dr. K Jagannaayaki, IARE Hyderabad Dr. Thavva Vara Lakshmi, IARE Hyderabad	20.09.2024	1,800,000
MATHEMATICS DEPARTMENT					
1	Breast Cancer Identification and Classification through Machine Learning and Metaheuristic Algorithm (P ID 4457)	UPCST, Lucknow	Dr. Shubham Gupta	07.08.2024	1,218,000
2	Conference support money for "National Instructional Workshop on Cryptology Lattice-based Cryptography (NIWC 2024)	DAE, Mumbai	Dr. Sahadeo Padhye	14.08.2024	144,375