

Department of Mechanical 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)(335)/2022-2023/907/MECH	Measurement of Evaporating Thin Film Thickness In Microchannels	DST-SERB, New Delhi	0.6	25.06.2022	24.09.2022	Prof. Pawan Kr. Singh
2	DST(INSPIRE)(329)/2022-2023/896/MECH	Studies In Nonlinear Dynamics of Mechanical Systems	DST, New Delhi	36.64	20.07.2021	19.07.2026	Prof. Aman Kumar
3	DRDO(DRDL)(20)/2022-2023/931/MECH	Design, Development And Establishment of Vibration Assisted Wire Electrical Discharge Turning For Aerospace Materials To Achieve Better Surface Integrity	DRDO-DRDL	31.05	23.09.2022	22.09.2024	Prof. Alok Kr. Das
4	ETPL/2022-2023/918/MECH	Development of Numerical Algorithm And Cdm Model For Fatigue Life Estimation of Hydraulic Cylinder Under Various Loading Conditions	Ekin Techprudent Pvt. Ltd.	2.97	09.05.2022	09.04.2024	Prof. K.P. Ajit
5	RDCIS (SAIL) (8)/2022-2023/921/MECH	Collaborative Work For Laboratory Study On Nano-Lubrication In Hot Rolling	RDCIS, SAIL	6.49	09.03.2022	07.02.2023	Prof.Subrata Kumar Ghosh
6	DST(SERB)(345)/2022-2023/939/MECH	Role of Free Stream Excitation On The Separation-Induced Transition In Low Pressure Turbines Using An Accuracy-Preserving Parallel Algorithm	DST-SERB, New Delhi	13.3	13.10.2022	10.12.2024	Prof. Aditi Sengupta
7	DST(SERB)(346)/2022-2023/940/MECH	Experimental And Numerical Investigation of Non-Isothermal Droplet Dynamics In Viscoelastic Fluids	DST-SERB, New Delhi	31.67	31.10.2022	30.10.2024	Prof. Antarip Poddar
8	DST(SERB)(TARE)(347)/2022-2023/942/MECH	Performance Improvement of Darrieus Hydrokinetic Turbine Using Different J-Shape Blades And Vortex Generator	DST-SERB (TARE), New Delhi	7.5	10.06.2022	10.05.2025	Mentor: Prof. Shibayan Sarkar
9	DST(SERB)(380)/2022-2023/992/MECH	Aerodynamic and aeroacoustic characteristics and noise control of isolated and tandem propellers with and without installations	DST-SERB, New Delhi	36.84	17.02.2023	16.02.2026	Prof. Kabilan B
10	DRDO[R&DE(E)](21)/2022-2023/993/MECH	Development of Algorithms for Collaborative Dual Arm Manipulation and Control	DRDO	285	03.03.2023	02.03.2025	Prof. Arun Dayal Udai
11	DST(SERB)(381)/2022-2023/994/MECH	Biomechanical analysis on the use of Pulsating Liquid Jet in cement removal from the femoral canal in Revision Total Hip Arthroplasty: A novel approach for biomedical application	DST-SERB, New Delhi	55.29	02.03.2023	01.03.2026	Prof. A.R. Dixit
12	NSM/2022-2023/998/MECH	High accuracy computing of thermally-stratified free shear layers: Combined Kelvin-Helmholtz instability	National Supercomputing M	27.48	16.02.2023	15.02.2024	Prof. Aditi Sengupta
13	DST(SERB)(384)/2022-2023/999/MECH	3D printing of overhang structures thro	DST-SERB, New Delhi	24.97	17.03.2023	16.03.2026	Prof. Alok Kr. Das

14	NVCHCCUST/2022-2023/03/INSTITUTE	Naresh Vashisht Centre for Hydrogen and Carbon Capture, Utilization and Storage Technologies	Shri Naresh Vashisht, President, Vashisht Foundation	1000	-	-	Prof. Sandipan Kr. Das
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