

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)(387)/2023-2024/1009/MECH	On the reductions of airfoil-turbulence noise through novel dimple configurations	SERB, New Delhi	36.38	11.05.2023	10.05.2026	Prof. Kabilan B
2	DST(SERB)(389)/2023-2024/1017/MECH	Development of a finite-element based Navier-Stokes solver to study the flow of non-Newtonian fluids past single/double objects in an extremely narrow channel	SERB, New Delhi	27.87	07.06.2023	06.06.2026	Prof. Subhankar Sen
3	DRDO(DMSRDE)(22)/2023-2024/1018/MECH	Performance Evaluation of Nanolubricants in Cryogenic Environment for Low Temperature Applications	DRDO (DMSRDE), Kanpur	48.83	09.06.2023	08.06.2026	Prof. Subrata Kr. Ghosh
4	CSIR(38)/2023-2024/1029/MECH	Design, Fabrication and Calibration of Nanomaterial based Temperature Sensors for short-Duration Transient Measurements	CSIR, New Delhi	17.04	01.08.2023	37.07.2026	Prof. Rakesh Kumar
5	DST(CEFIPRA)(394)/2023-2024/1032/MECH	Data reduction and surrogate modelling of transition to turbulence to Rayleigh-Taylor instability data obtained by DNS	DST(Centre Franco-Indien pour la Promotion de la Recherche Avancee)	39.09	01.09.2023	31.08.2026	Prof. Aditi Sengupta
6	CSIR(39)/2023-2024/1038/MECH	3D Printing of Engineering Components through cold Spray Technique	CSIR, New Delhi	13.5	12.09.2023	11.09.2026	Prof. Alok Kumar Das
7	ROYAL SOCIETY/2023-2024/1040/MECH	Image-based modelling and optimisation of convection-enhanced delivery for combination therapy against heterogeneous human brain tumour	The Royal Society, London, United Kingdom	12.64	12.08.2022	11.08.2024	Prof. Ajay Bhandari
8	DRDO(24)/2023-2024/1043/MECH	Formulation of spray technique for sand crust (Composite) with binder solutions and laboratory testing of sand crust	DRDO, Jodhpur (Rajasthan)	7.46	27.09.2023	26.09.2024	Prof. Sarthak Sambit Singh
9	MoM/2023-2024/1061/MECH	Design and experimental studies of the fiber-reinforced polymer (FRP) solid rock bolts for underground mine support systems	MoM (Ministry of Mines), GoI, New Delhi	96.99	27.12.2023	26.12.2026	Prof. Kalyan Kumar Singh
10	TATA STEEL/2023-2024/1069/MECH	Assessment of Rock Mass Rippability through Geotechnical Investigations for Selection of Suitable Ripper and its Operating Parameters for Sandstone Formations of West Bokaro Mine, Tata Steel Limited	Tata Steel Limited, Jamshedpur	42.79	29.01.2024	28.07.2024	Prof. L.A. Kumaraswamidhas
11	TATA STEEL/2023-2024/1070/MECH	Assessment of Rock Mass Rippability through Geotechnical Investigations for Aiding Selection of Suitable Ripper for Joda East and Khondbond Mines of Tata Steel Limited	Tata Steel Limited, Jamshedpur	28.6	29.01.2024	28.07.2024	Prof. L.A. Kumaraswamidhas
12	DST(SERB)(407)/2023-2024/1072/MECH	Aeroelastic and Gust Response Analysis of Variable Stiffness Smart Composite Wing	SERB, New Delhi	6.6	12.02.2024	11.02.2027	Prof. Prashanta Kumar Mahato
13	DST(SERB)(410)/2023-2024/1075/MECH	Approximate closed form solution of an FGM rotating disc subjected to thermal stresses and its inverse estimation for thermo-mechanical parameters	SERB, New Delhi	6.6	16.02.2024	15.02.2027	Prof. Ashis Mallick
14	SERB(CRG)(424)/2023-2024/1093/MECH	Development of a wind turbine condition monitoring system using signal processing and machine learning techniques	SERB, New Delhi	40.3	18.03.2024	17.03.2027	Prof. Sachin Kumar Singh