



DEPARTMENT OF MECHANICAL ENGINEERING

ISLAMIC UNIVERSITY OF SCIENCE AND TECHNOLOGY



SPONSORED PROJECTS

S. No.	Title of the Project	PI/Co-PI	Funding Agency	Year of Sanction	Amount Sanctioned (INR)	Status (as on date)
2025						
1	Design and Development of 3D-Printed Packaging for Post-Harvest Loss Reduction in J&K Agriculture	Dr. Ovais Gulzar (Co-PI)	JKSTIC	2025	8 lakh	ongoing
2024						
2	Technological Analysis of Oil Extracted from apple waste and Bitter Almond as a cooling and lubrication agent for hard turning of steel	Dr. M Junaid Mir	JKSTIC	2024	7 lakh	ongoing
3	Study of Mechanical Behavior of Bioinspired 3D printed Functionally Graded Structures for lightweight application	Dr. Ovais Gulzar (Co-PI)	JKSTIC	2024	7 lakh	ongoing
4	Insulation for Concrete Houses in Kashmir: A Thermo-economic Analysis.	Dr. Mahvash Afzal	JKSTIC	2024	7 lakh	ongoing
5	Development of light weight material for snow clearance applications	Dr. Shuhaib Mushtaq	JKSTIC	2024	7 lakh	ongoing
6	Enhancement of performance of solar collectors using advanced nanofluids	Dr. Ovais Gulzar	JKSTIC	2024	7 lakh	ongoing
7	Development of a low-cost haptic feedback enabled robotic interface for teaching STEM concept	Dr. Majid H Koul	JKSTIC	2024	7 lakh	ongoing
2022						
8	Design and Development of Low-Cost Solar dryer for Bat manufacturers in Kashmir	Dr. Ovais Gulzar	DSIR-PRISM	2022	2 lakh	Completed
2021						
9	Design and Analysis of a Bag Value Mask based Frugal Ventilator	Dr. Majid H Koul (Co-PI)	JKSTIC	2021	7 lakh	Completed
2019						
10	Development and Tribological characterization of the self-lubricating Aluminium alloy (AA6061)/Nano-Ceramic composite	Dr. Ovais Gulzar (Co-PI)	TEQIP-III	2019	13.3 lakh	Completed
11	Fatigue analysis of high entropy alloys	Dr. Umar Dass	TEQIP-III	2019	12.2 lakh	Completed