



DEPARTMENT OF MECHANICAL ENGINEERING ISLAMIC UNIVERSITY OF SCIENCE AND TECHNOLOGY

S.No	Title of the Project	PI/Co-PI	Funding Agency	Year of Sanction	Amount Sanctioned	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 lakhs	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. Mohammad Junaid Mir	JKSTIC	2024	7 lakhs	Ongoing
3	Study of Mechanical Behavior of Bioinspired 3D printed Functionally Graded Structures for lightweight application.	Dr. Ovais Gulzar (Co-PI)	JKSTIC	2024	7 lakhs	Ongoing
4	Insulation for Concrete Houses in Kashmir: A Thermo-economic Analysis.	Dr. Mahvash Afzal	JKSTIC	2024	7 lakhs	Ongoing
5	Development of light weight material for snow clearance applications.	Dr. Shuhaib Mushtaq	JKSTIC	2024	7 lakhs	Ongoing
6	Enhancement of performance of solar collectors using advanced nanofluids.	Dr. Ovais Gulzar	JKSTIC	2024	7 lakhs	Ongoing
7	Development of low-cost haptic feedback enabled robotic interface for teaching STEM concept.	Dr. Majid H Koul	JKSTIC	2024	7 lakhs	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

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2021						
9	Design and Analysis of a Bag Value Mask based Frugal Ventilator	Dr. Majid H Koul (Co-PI)	JKSTIC	2021	7 lakhs	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 lakhs	Completed
11	Fatigue analysis of high entropy alloys	Dr. Umar Dass	TEQIP-III	2019	12.2 lakhs	Completed

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