

Newly Sanctioned Research Projects 2022-23					
S. No	Project Title	PI Name	Co-PI 1 Name	Co-PI 2 Name	Duration
1	Development of high entropy alloy components for aerospace applications	<b>Dr. Rajesh Kumar Rai,</b> Assistant Professor, Department of Materials & Metallurgy, MNIT Jaipur			2 years
2	Detection of trace elements using micro-sensor array in the Human Spaceflight	<b>Dr. Vinay S. Palaparthi,</b> Assistant Professor, Department of Electronics & Communication Engg, DAIICT Gandhinagar	<b>Dr. Kuldeep Singh,</b> Assistant Professor, Department of Electronics & Communication Engg, MNIT Jaipur		2 years
3	ICESat-2 based Ground photons retrieval in urban areas by using deep learning algorithms	<b>Dr. Priyanka Harjule,</b> Assistant Professor, Department of Mathematics, MNIT Jaipur	<b>Dr. Basant Agarwal,</b> Assistant Professor, Department of Electronics & Communication Engg, IIIT Kota	<b>Dr. Ankush Vashishtha,</b> Assistant Professor, Department of Electronics & Communication Engg, IIIT Kota	2 years
4	Development of ultra high sub micron level measurement facility for coefficient of thermal expansion for dimensionally stable composite structures	<b>Dr. Amar Patnaik,</b> Associate Professor, Department of Mechanical Engineering, MNIT Jaipur	<b>Dr. Vikas Kukshal,</b> Assistant Professor, Department of Mechanical Engg, NIT Uttarakhand		2 years
5	Performance exploration of LTMO and vertically aligned MWCNT on graphene material for efficient and sustainable Na-Ion batteries.	<b>Prof. Kanupriya Sachdev,</b> Professor, Department of Physics, MNIT Jaipur			2.5 years
6	Developing a user-friendly Chatbot system as an interface for information extraction in Natural language	<b>Dr. Namita Mittal,</b> Associate Professor, Department of Computer Science & Engineering, MNIT Jaipur			3 years
7	Simulation Analysis and Implementation of Soft Decision Forward Error Correction Codes for High Speed Free-Space/Satellite Optical Communication	<b>Dr. Amit Kumar Garg,</b> Assistant Professor, Department of Electronics & Communication Engineering, IIIT Kota	<b>Prof. Vijay Janyani,</b> Professor, Department of Electronics & Communication Enggg, MNIT Jaipur		3 years
8	Onboard spectral preprocessing for multispectral image compression using FPGA	<b>Dr. Anand Darji,</b> Associate Professor, Department of Electronics Engineering, SVNIT Surat	<b>Dr. Amit M. Joshi,</b> Assistant Professor, Department of Electronics & Communication Engg, MNIT Jaipur		2 years
9	Design and Demonstration of Empty and Foam Filled Honeycomb Structures for Energy Absorption During Crash/Impact	<b>Dr. Gaurav Tiwari,</b> Assistant Professor, Dept. of Mechanical Engineering, VNIT Nagpur	<b>Dr. Manmohan Dass Goel,</b> Assistant Professor, Dept. of Applied Mechanics, VNIT Nagpur	<b>Dr. Amar Patnaik,</b> Associate Professor, Dept. of Mechanical Engg, MNIT Jaipur	2 years