



Joint Degree Program Between IIT Mandi and IIT Ropar

Semester: ODD(Aug-Dec , 2025)

AY: 2025-2026

Project wise List of Provisionally Selected Candidate(s)

(IIT Mandi -Home institute)

S.No.	Project Title	Home Institution (IIT Mandi)	Host Institution (IIT Ropar)	Provisionally Recommended Candidate(s) Form No.
1	Design of analog electronics-based active gate driver for GaN-power converters	Dr. Moumita Das	Dr. Devarshi Mrinal Das	NFS
2	Fracture mechanisms of 3D printed Ti6Al4V bioimplants: Influence of printing process parameters	Dr. Rajesh Ghosh	Dr. Abhishek Tiwari	NFS
3	Himalayan cryospheric studies using Optical, Microwave and Drone data	Dr. Dericks P Shukla	Dr. Reet Kamal Tiwari	NFS
4	Integrated Modeling of Surface Water-Groundwater Interactions in the Mountain-Plains Continuum	Dr. Vivek Gupta	Dr. Sayantan Ganguly	NFS
5	Investigation of Thermo-Acoustic Instabilities with Radiative Effects	Dr. Pradeep Kumar	Dr. Lipika Kabiraj	NFS
6	A data-driven smart energy management system for secure net-zero energy buildings	Dr. B. Srinivasu	Dr. Ramachandra Sekar	NFS
7	Welding of aluminum and copper for enhanced efficiency battery application	Dr. Sanasam Sunderlal Singh	Dr. Ravi kant	IITMANDI-JDP0000589
8	Modeling Climate-Driven Sediment Transport and Its Hydrological Impact using Geospatial Analysis	Dr. Aliva Nanda	Dr. Shray Pathak	NFS
9	Site-specific non-ergodic risk quantification for Chandigarh	Dr. Dhanya J	Dr. Resmi Sebastian	IITMANDI-JDP0000494
10	Angle of arrival predation and tracking for energy depleted UAVs through Intelligent reflecting surface aided integrated sensing and communication networks.	Dr. Dipankar Deb	Dr. Brijesh Kumbhani	IITMANDI-JDP0000561
11	Adaptive propulsion control and compensation techniques for multirotor electric aerial vehicles	Dr. Dipankar Deb	Dr. A. V. Ravi Teja	IITMANDI-JDP0000600

XXXXXXXXxxxXXXXXXXXXX