



**Joint Degree Program**  
**Between IIT Mandi and IIT Ropar**  
**Semester: Even(Jan-June , 2026)** **AY: 2025-2026**

**Project wise List of Provisionally Selected Candidate(s)**

**(IIT Mandi -Home institute)**

S.No.	Project Title	Name of Guide/ Supervisor (Home Institution)	Name of Guide/ Supervisor (Host Institution)	Provisionally selected Candidate(s) Form No.
1	Design of analog electronics-based active gate driver for GaN-power converters	Dr. Moumita Das	Dr. Devarshi Mrinal Das	Yet to be declared
2	Fracture mechanisms of 3D printed Ti6Al4V bioimplants: Influence of printing process parameters	Dr. Rajesh Ghosh	Dr. Abhishek Tiwari	Yet to be declared
3	Himalayan cryospheric studies using Optical, Microwave and Drone data	Dr. Dericks P Shukla	Dr. Reet Kamal Tiwari	Yet to be declared
4	Integrated Modeling of Surface Water-Groundwater Interactions in the Mountain-Plains Continuum	Dr. Vivek Gupta	Dr. Sayantan Ganguly	Yet to be declared
5	Investigation of Thermo-Acoustic Instabilities with Radiative Effects	Dr. Pradeep Kumar	Dr. Lipika Kabiraj	Yet to be declared
6	A data-driven smart energy management system for secure net-zero energy buildings	Dr. B. Srinivasu	Dr. Ramachandra Sekar	Yet to be declared
7	Modeling Climate-Driven Sediment Transport and Its Hydrological Impact using Geospatial Analysis	Dr. Aliva Nanda	Dr. Shray Pathak	Yet to be declared
8	Site-specific non-ergodic risk quantification for Chandigarh	Dr. Dhanya J	Dr. Resmi Sebastian	Yet to be declared
9	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	Yet to be declared
10	Adaptive propulsion control and compensation techniques for multirotor electric aerial vehicles	Dr. Dipankar Deb	Dr. A. V. Ravi Teja	NFS

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