



## Joint Degree Program-2024 Between IIT Mandi and IIT Ropar

Semester: Odd

AY: 2024-2025

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

#### (IIT Mandi -Home institute)

Project	Home Supervisor/ Institute	Host Supervisor/Institute	Application Number of selected candidate
Forest fire studies of North East India	Dr. Dericks P Shukla (IIT Mandi)	Dr. Reet Kamal Tiwari (IIT Ropar)	28561
Seismic Hazard and Liquefaction Assessment in Chandigarh: Integrating Numerical and Experimental Approaches	Dr. Dhanya J (IIT Mandi)	Dr. Resmi Sebastian (IIT Ropar)	28684
Seismic Vulnerability Assessment of Aging RC Buildings on Slopes	Dr. Shivang Shekhar (IIT Mandi)	Dr. Mitesh Surana (IIT Ropar)	NFS
Drone/UAV-based video surveillance applications for Defense and Security	Dr. Dinesh Singh (IIT Mandi)	Dr. Shashi Shekhar Jha (IIT Ropar)	28679
3D printing of solid carbon materials	Dr. Swati Sharma (IIT Mandi)	Dr. Nitish Bibhanshu (IIT Ropar)	28344
Investigation of Radiation Heat Transfer's Impact on Combustion Systems	Dr. Pradeep Kumar (IIT Mandi)	Dr. Lipika Kabiraj (IIT Ropar)	NFS
Machine learning assisted fracture modeling of composite materials	Dr. Raj Kiran (IIT Mandi)	Dr. Manish Agrawal (IIT Ropar)	28669
Electrospun membranes for water remediation	Dr. Jaspreet Kaur Randhawa (IIT Mandi)	Prof. Narinder Singh (IIT Ropar)	NFS
Fabrication and characterization of Heterostructures of two-dimensional materials for investigating their electronic properties	Dr. Ajay Soni (IIT Mandi)	Dr. Rakesh Kumar (IIT Ropar)	Yet to be declared
Numerical approach based on level set techniques to investigate dynamics of merging droplets in viscous fluid	Prof. Rajendra K. Ray (IIT Mandi)	Dr. HVR Mittal (IIT Ropar)	Yet to be declared
Development of theranostic platforms based on SPIONs for cancer diagnosis and treatment	Dr. Jaspreet Kaur Randhawa (IIT Mandi)	Dr. Durba Pal (IIT Ropar)	28724