

**Joint Degree Program
Between IIT Mandi and IIT Ropar**

Semester : ODD

Academic Year: 20226-2027

Project wise List of Provisionally Selected candidates

(IIT Mandi (Home))

S.No.	Project Title	Name of Guide -Home Institution	Name of Guide - Host Institution	Application Number of provisional selected candidate
1	Investigation of Thermo-Acoustic Instabilities with Radiative Effects	Dr. Pradeep Kumar	Dr. Lipika Kabiraj	None Found Suitable
2	Monetary Policy under Climate Change in India	Dr. Masudul Hasan Adil	Dr. Bhavesh Garg	None Found Suitable
3	ASIC and Design and Characterization of On-chip Atomic Clock for Defence Applications in 65nm CMOS Technology	Prof Hitesh Shrimali	Dr. Mahendra Sakre	IITMANDI-JDP0001131
4	Phase Field Modelling of Fracture in Magneto-Electro-Elastic (MEE) Materials	Dr. Raj Kiran	Dr. Manish Agarwal	None Found Suitable
5	Basin-Effect on seismic response of long period structures in Chandigarh	Dr. Dhanya J	Dr. Resmi Sebastian	None Found Suitable
6	Gate driver for the Active Thermal Control of GaN-based Converter	Dr. Moumita Das	Dr. Devarshi Mrinal Das	IITMANDI-JDP0001009
7	Quantum Imaging Using Squeezed and Entangled Photonic States	Dr. AMIT DATTATRAYA LAD	Dr. VISHWA PAL	IITMANDI-JDP0000904
8	Ferroelectric-Spintronic Hybrid Tunnel Junctions for Non-Volatile Memory Applications	Dr. Abhishek Sharma	Dr. Pardeep Duhan	None Found Suitable
9	Advanced peptide/polymer-based nanocomposite gels for bone regeneration	Dr. Garima Agrawal	Dr. Yashveer Singh	IITMANDI-JDP0000837
10	Physics-Informed and Data-Driven Machine Learning Approaches in Quantitative Finance	Prof. Manoj Thakur	Dr. Arun Kumar	Yet to be declared
11	ASIC and Package Design and Characterization of On-chip Atomic Clock	Prof. Hitesh Shrimali	Prof. Rohit Sharma	None Found Suitable
12	Development of Ductile High Entropy Alloys and Optimization of their Mechanical Properties Using Thermomechanical Processing	Dr. V.M Suntharavel Muthaiah	Dr. Nitesh Bibhanshu	Yet to be declared

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