

List of applications shortlisted for F.Y. 2025-26

Research project/study: Action and innovation research			
S. No.	Name of PI	Institutional affiliation	Topic
1.	Dr. A. Pandiaraj	SRMIST Chennai	Dynamic Zone-Based Forest Fire Risk Index (DZ-FFRI): An AI-Based Early Warning as a Service for Proactive Forest Fire Risk Reduction
2.	Dr. Aniket Kataware	IIT Dharwad	Sustainable Infrastructure as a Defense: Utilizing Reclaimed Asphalt Pavements (RAP)-Based Porous Pavements to Mitigate Flash Flood Disasters
3.	Dr. Aruna	REVA University	Public-Private Partnership (PPP) Framework for Parametric Disaster Insurance in Karnataka: Policy Design and Implementation Pathways
4.	Dr. Bhavesh Garg	IIT Ropar	Linking Institutional, Financial, and Demographic Factors in Disaster Preparedness: An Empirical Analysis for India
5.	Dr. Bhola Saha	Royal Global University	Enhancing Disaster Resilience in Eco-Tourism Dependent Coastal Communities: A Comparative Study of West Bengal and Odisha with Integration of Indigenous Knowledge Systems
6.	Dr. Lohitkumar Nainegali	NIT Suratkhil	Performance of Semi-Deep Foundations as Adaptive Slope Stabilization Measures under Land-Use Change-Induced Instability in Mountainous Terrain
7.	Dr. Mayur Jain	IIT Indore	Threshold-Driven Urban Flood Disaster Emergence from Solid Waste-Induced Drainage Failure: A Techno-Economic and Planning-Integrated Decision Framework for Disaster Risk Reduction
8.	Dr. Mohit Mohanty	IIT Roorkee	FLOOD-TWIN: A Comprehensive Digital Twin Framework Integrating Forecasting and Hydrodynamic Modeling for Urban Flood Management
9.	Dr. Nivea Thomas	NIT Warangal	Institutional and financial determinants of disaster preparedness: Evidence from Kerala
10.	Dr. Putul Halder	IIT Ropar	Seismic Assessment of Hill Buildings Accounting for Irregular Infill Placement Driven by Commercial, Storage, and Parking to Support Resilient Infrastructure Planning in the Indian Himalayan Region
11.	Dr. Reena Antony	Barkatullah University	HEMAN: Hazard Environmental Monitoring & Assessment Network
12.	Dr. Ritu Raj Singh	NSUT Delhi	Development of a Lab-Scale Smart Optical Landslide Monitoring Device and Plug-and-Play Early Warning Module for Internal Soil Deformation Using FBG Sensors
13.	Dr. Roopam Shukla	IIT Roorkee	Multi-hazards riskscapes and resilience pathways of coastal fishing communities (R-Path)
14.	Dr.	Banaras Hindu	Machine Learning Optimization of the Uttarakhand

	Sandeep	University	Earthquake Early Warning System: Enhancing Reliability Through Algorithm and Parameter Tuning
15.	Dr. Shilpa Pal	Delhi Technological University	AI-Assisted Multimodal Framework for Earthquake Vulnerability Assessment of Structures
16.	Dr. Shyam Salim	ICAR - Central Marine Fisheries Research Institute	Marine Plastic Pollution as Slow-Onset Disaster: Economic risk assessment and evolving mitigation alternatives for marine fisheries in Kerala
17.	Dr. Sudha Arlikatti	Symbiosis University	Interstate Gaps in Flood Early Warning Systems and Disaster Declarations: A Community Perspective from the Godavari River Basin
18.	Dr. Sumit Bhowmik	NIT Silchar	Development of Indigenous Drone for Essential Commodity Supply System during Emergency
19.	Dr. Tushar Bose	CEPT University	NbS-Sim: Nature-based Solutions (NbS) with Physical Simulator (Sim) for Urban Flood Management
20.	Dr. Vikas Poonia	MANIT Bhopal	From Detection to Prediction: An AI-Enabled Early Warning as a Service (EWaaS) Model for Forest Fires in Jhum-Affected Landscapes

NIDM Doctoral Fellowship programme			
S. No.	Name of scholar	Institutional affiliation	Topic
1.	Abhishek Kumar Srivastav	Doon University	Ascertaining the Risk of Landslide Lake Outburst Flood (LLOF) and their impact on River bank stability, Alaknanda River valley, Indian Himalaya
2.	Akanksha Pathak	Rajiv Gandhi Institute of Petroleum Technology	Wearable textile-based gas sensing for rapid detection of hazardous ammonia (NH ₃) and hydrogen (H ₂) exposure during fire and post-disaster industrial incidents
3.	Jidnyasa Raut	CSIR-CBRI, Roorkee / AcSIR	Evaluation of Shear Deficient RC Beams Exposed to Elevated Temperature Conditions Strengthened with External FRP Systems
4.	Kumar Deepak	Magadh University, Bodhgaya	Integrating HRVCA, geospatial analysis and large-scale household survey data for community-based disaster risk reduction in Bihar
5.	Mala Sinha	Birla Institute of Technology, Mesra	Evaluation of Atmospheric water vapour over India and Its Role in Flood-Inducing Extreme Rainfall Events
6.	Muzamil Hassan Lone	Vellore Institute of Technology, Tamil Nadu	A Multiscale Artificial Intelligence Based Framework for Assessing Climate Change Impacts on Flood Risk
7.	Remya Paul	Indian Institute of Information Technology, Kottayam	Physics-Informed Deep Learning Framework for Medium-Term Forecasting of Cyclone Intensity and Trajectory
8.	Shivani Negi	H. N. B. G. U. Srinagar	Mechanism and stability analysis of slopes prone to

		Garhwal, Uttarakhand	landslide along road sections from Srinagar to Joshimath in upper Alaknanda valley, India: Mapping, classification and causal assessment
9.	Suchismita Roy	Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI)	Cyclone Risk Management in India: A Comparative Study of Disaster Risk Governance in Odisha and West Bengal with Special Focus on Building Resilience of Communities to Disasters
10.	Vikas Singh	Banaras Hindu University	Integrated InSAR and Seismic Analysis for Machine Learning-Based Ground Motion Modeling in Uttarakhand Himalaya
11.	Virat Upadhyay	IIT Gandhinagar	Toward Integrated Probabilistic Hazard Assessment: Integrating Multivariate Geological Factors and Surface Topography

Best PhD thesis ranking			
S. No.	Name of candidate	Institutional affiliation	Thesis Topic
1.	Dr. Deepak	Delhi Technological University	Realisation of landslide early warning system based on acoustic emission technology
2.	Dr. Prashant Gunupuram	IIT Kharagpur	Development of in-situ large-scale direct shear apparatus and comparison of shear strength parameters of overburden dump material for in-situ and laboratory conditions
3.	Dr. Shubham Badola	Amity University, Noida	Multihazard Landslide Susceptibility Mapping in Data-Scarce Himalayan Regions Using Advanced Geospatial and Machine Learning Approaches
4.	Dr. Suvam Das	AcSIR at CSIR-Central Building Research Institute	Landslide Hazard and Risk Assessment of Kalimpong Area in Darjeeling Himalaya, India
5.	Dr. Tanmoy Das	IIT Bombay	Analysis of Landslide Triggering Mechanisms Under Rainfall and Earthquake Conditions Considering Parametric Uncertainties

Note: Shortlisted applicants will be intimated regarding further modalities through email.