सत्यमेव जयते

nidm
Resilient India - Disaster Free India

5th Comprehensive Course

on

Disaster Risk Management

Special Focus on Academic Leadership

6th – 17th October 2025

National Institute of Disaster Management (NIDM)
Ministry of Home Affairs, Government of India
Plot No. 15, Pocket-3, Block-B,
Sector-29, Rohini, Delhi – 110042

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Concept Note on

5th Comprehensive Training Programme on Disaster Risk Management

Special Focus on Academic Leadership

Dates: 06th- 17th October 2025

Venue: NIDM, Delhi

1. Introduction

Disaster Risk Management (DRM) has become a global priority in view of the rising frequency, intensity, and complexity of both natural and human-induced hazards. Protecting developmental gains and ensuring community safety requires more than emergency response, it calls for a systemic approach to resilience, where knowledge, innovation, and leadership converge. Within this context, academic institutions occupy a central role. They are not only centers of learning but also hubs of resilience that generate knowledge, foster innovation, and prepare future leaders. By integrating resilience thinking into education, research, and institutional practice, higher education can shape decision-making and influence broader societal change. India has made notable progress in strengthening disaster risk reduction (DRR) policies and institutional frameworks. However, the involvement of higher education institutions in these efforts remains limited. Integration of DRR into curricula, research, and institutional governance is often fragmented, leaving untapped the transformative potential of academia to contribute meaningfully to resilience building.

Table 1. Major Disaster Types and Their Impacts in India (2000–2025)

Hazard Type	Characteristics & Frequency	Human Impact (Fatalities)	Population & Livelihoods Affected
Floods	On average, 15–20 events annually; frequency rising due to extreme rainfall events in recent years.	Around 1,500–1,700 deaths per year. Worst case: 2013 Uttarakhand (6,000+ deaths).	~7.5 million people face flooding each year; ~345 million cumulatively affected (2000–2019).
Cyclones	40+ cyclonic storms in 2012–2020, mostly May–Nov	Nearly half of all disaster deaths (2000–19). Declining tolls in recent years	Millions evacuated each event; e.g., Amphan (2020) displaced ~2.4

	(Bay of Bengal most active).	(<100deaths/cyclone on average) due to improved evacuation.	million and damaged ~280,000 houses in West Bengal and Odisha.
Earthquakes	Infrequent but devastating; major quakes in 2001 (M7.7 Bhuj) and 2005 (M7.6 Kashmir). Moderate tremors recur in Himalayan belt.	Over 20,000 deaths since 2000; earthquakes = ~33% of disaster-related deaths in 2000–19.	Hundreds of thousands displaced; e.g., 2001 (600,000 homeless), 2004 tsunami (650,000 displaced). Damage is highly localized but severe.
Droughts	Recurrent large-scale events (2002, 2009, 2015); also localized droughts linked to monsoon failure or El Niño.	Deaths are limited but droughts severely affect nutrition, livelihoods, and health. Often considered "silent" disasters.	Largest population impacts: 2002 drought affected ~300 million; other years also saw tens of millions affected, triggering economic distress and migration.
Landslides	Mostly during monsoons; dozens of landslides occur annually in hilly, vulnerable districts.	200–400 deaths annually; typically 2% of total disaster deaths (higher during flood years).	Thousands displaced or affected each year; individual events catastrophic (e.g., Malin 2014, Kedarnath 2013).

(Sources: NDMA/IMD reports and statements; UNDRR report 2020; CWC flood data; World Bank analysis)

2. Rationale

Academia is uniquely placed to mainstream a culture of safety and resilience. Universities and colleges can bridge the gap between science, policy, and practice by producing evidence-based knowledge, fostering innovation, and engaging with communities. Yet, critical gaps persist in mainstreaming DRM into higher education. Curricula rarely address DRM systematically, research priorities often remain disconnected from local needs, and institutional practices for safety and preparedness are uneven.

At the same time, emerging challenges, such as climate change, rapid urbanization, health crises, and technological risks, demand interdisciplinary approaches that no single discipline or institution can address in isolation. Higher education institutions are well suited to foster such approaches by drawing on diverse expertise and nurturing collaborative platforms.

Strengthening the role of academia in DRM is therefore essential. Institutions must be empowered to act as resilience hubs for their campuses and surrounding communities, to build teaching and research capacities, and to bridge the policy-practice-academia gap. By aligning with global frameworks such as the Sendai Framework for DRR (2015–2030) and the Sustainable Development Goals (SDGs), alongside India's National Disaster Management Plan (NDMP) and innovation platforms like the Atal Innovation Mission (AIM), higher education can play a decisive role in advancing resilience.

This makes it imperative to create opportunities for academicians to build conceptual clarity, enhance pedagogical practice, and initiate action-oriented research. Such initiatives will not only enrich academic leadership but also nurture innovation ecosystems within institutions, enabling them to respond dynamically to evolving risk landscapes and contribute to building disaster-resilient societies.

3. Aim of the Course

To strengthen the capacity of academicians and academic leaders to systematically integrate disaster risk reduction into teaching, research, institutional governance, and community engagement, thereby transforming higher education institutions into drivers of resilience and contributors to a culture of preparedness and risk-informed development.

4. Learning Objectives

By the end of the course, participants will be able to:

- Explain key concepts, frameworks, and governance structures in disaster management.
- Analyze multi-hazard risks with a focus on geological, hydro-meteorological, chemical, industrial, and biological hazards.
- Assess the role of academia in advancing DRR through teaching, research, and institutional safety.
- Apply inclusive, health-focused, and psychosocial approaches to resilience.
- Design outcome-based, experiential, and game-based learning modules on DRR.
- Formulate interdisciplinary research proposals and identify potential funding opportunities.

- Leverage technology, innovation ecosystems, and academic networks for DRR research and product development.
- Engage with communities, NSS/NCC/eco-clubs, and citizen science initiatives for sustainable DRR outcomes.

5. Target Group

The programme is intended for faculty members from diverse disciplines including science, engineering, humanities, and commerce, who can integrate disaster risk reduction (DRR) into their teaching and research. It also addresses academic administrators and curriculum planners responsible for shaping institutional priorities, as well as doctoral and postdoctoral researchers working in DRR-related domains. In addition, the course is designed for heads and coordinators of NSS, NCC, eco-clubs, and innovation cells, who play a vital role in fostering student engagement, community outreach, and innovation-driven initiatives within higher education institutions.

6. Methodology

The training programme follows a modular and andragogical approach that blends conceptual inputs with hands-on learning, reflection, and peer exchange. Each module is designed to progressively deepen participants' understanding while providing space for practical application and co-creation of academic outputs. The methodology reflects a balance of lectures, discussions, case work, design labs, and exposure visits, ensuring that participants are actively engaged throughout the two-week programme.

a. Expert-Led Thematic Sessions

Specialists from academia, government, and practice deliver interactive lectures and discussions that introduce concepts, frameworks, and policy perspectives. These sessions provide the necessary grounding for hazard-specific modules, governance themes, and cross-cutting issues.

b. Case Study Analysis and Discussion

Modules on earthquakes, landslides, cyclones, drought, and industrial hazards are delivered through case studies and are discussion-based. This approach builds analytical capacity and links theoretical understanding with real-world contexts.

c. Pedagogical Design Labs

Dedicated sessions focus on curriculum design, outcome-based education, experiential and game-based learning. Participants apply these approaches to develop DRR-integrated course modules and academic toolkits relevant to their own disciplines and institutions.

d. Hands-on Group Work and Simulations

Group activities such as campus safety audits, resilience mapping, and PDNA demonstrations foster experiential learning, teamwork, and critical thinking. Role play and simulation exercises further help participants internalize decision-making processes in disaster contexts.

e. Field-Based Exposure Visit

A field visit to the Yamuna Biodiversity Park provides first-hand experience of ecosystem-based disaster risk reduction strategies. This reinforces classroom learning by showcasing nature-based solutions in practice.

f. Panel Discussions and Dialogues

Panels involving policymakers, researchers, and practitioners highlight funding mechanisms, research priorities, and innovation ecosystems. These sessions bridge the policy-academia-practice divide and help participants explore opportunities for collaboration.

g. Research Proposal Formulation

Towards the end of the programme, participants work in groups to conceptualize and present DRR research proposals. This capstone activity integrates learning across modules and builds research and innovation skills linked to HEI ecosystems.

h. Reflection, Feedback, and Networking

Continuous feedback mechanisms, structured reflection sessions, and collaborative discussions ensure participants remain engaged. Networking activities strengthen peer-to-peer learning and help establish lasting academic linkages and resilience hubs.

7. Structure of the Training Module

The 5th Comprehensive Course on Disaster Risk Management is carefully designed in a modular format to provide a structured, progressive, and outcome-oriented learning experience. Spanning two weeks (11 working days), the programme is organized into 10 modules, beginning with orientation and concluding with assessment and reflection. Each module focuses on a distinct thematic area of disaster risk management, systematically addressing the disaster management cycle while integrating critical cross-cutting issues such as inclusivity, health, innovation, ethics, and community engagement. The course flow moves from foundational concepts and policy frameworks to hazard-specific risk reduction, people-centered approaches, pedagogical innovations, and technology-enabled solutions. It further emphasizes research, innovation, and academic networking, culminating in applied group work and proposal formulation. A dedicated field visit reinforces experiential learning by connecting classroom insights with real-world practice.

The training methodology blends interactive lectures, case studies, design labs, group activities, simulations, and panel discussions, ensuring active participation and peer-to-

peer learning. This structure enables participants to gain conceptual clarity, practice-oriented insights, and the academic leadership skills required to position their institutions as resilience hubs. A detailed breakdown of modules, scope, and individual sessions is provided in the schedule matrix that follows.

The detailed breakdown of modules, their scope, and individual sessions is presented in the matrix below.

Table 2. Course Module Matrix

Module	Scope
Module 0.	The module serves as the foundation of the two-week training programme. It establishes the course orientation, introduces structured feedback mechanisms, and facilitates outcome-based learning through continuous assessment. Designed to provide clarity on the training flow, it fosters active engagement from the outset and concludes with reflective exercises and feedback, ensuring meaningful closure to the programme.
Module 1. Introduction to Disaster Management & Policy & Governance for DRR	This module builds a conceptual foundation in disaster risk management. It introduces key terminologies, outlines India's vulnerability profile, and situates disaster risk management within the global and national context. By clarifying basic concepts of hazard, risk, vulnerability, and resilience, it equips participants with the knowledge required to engage with more advanced themes across the course. It also covers the institutional and governance frameworks guiding DRR including global, national and state-level policies and guidelines.
Module 2. Academia as Knowledge and Disaster Resilience Hubs	This module focuses on the role of academia in shaping disaster governance and knowledge systems. Participants will examine how academic institutions can function as resilience hubs through campus safety initiatives and policy-relevant engagement.
Module 3. Geological, Hydro-meteorological & Chemical-Industrial Hazards	This module deepens understanding of hazard-specific dynamics through case-based learning. It examines geological, hydro-meteorological, agricultural, and chemical-industrial hazards, highlighting their impacts, vulnerabilities, and DRR strategies. Participants will strengthen their analytical skills to assess risks and propose

	evidence-based approaches for mitigation and preparedness.
Module 4. People-centered Approaches	This module emphasizes the human dimension of disasters. It explores inclusive DRR, public health preparedness, psychosocial support, and the Post-Disaster Needs Assessment (PDNA) framework. Through demonstrations and discussion, participants will gain insights into resilience strategies that prioritize equity, well-being, and community participation.
Module 5. Experiential Learning & Pedagogical Tools	This module highlights innovative teaching and learning methodologies for DRR. It introduces outcome-based education, experiential and game-based learning, and curriculum integration strategies. Through hands-on design labs, participants will develop the capacity to create engaging, DRR-focused academic modules tailored to higher education.
Module 6. Community Engagement	This module explores mechanisms for involving communities in disaster risk reduction. It examines the role of NSS, NCC, eco-clubs, citizen science, and participatory initiatives in fostering sustainable engagement. Participants will learn how to design projects that involve communities at every stage starting from conceptualization and implementation to evaluation to ensure long-term impact.
Module 7. Tech-Enabled Approaches	This module builds participants' capacity to design interdisciplinary research proposals and leverage the innovation ecosystem within higher education institutions. It explores opportunities for product development, incubation, and start-up initiatives while also introducing funding mechanisms such as mitigation funds and research grants. The focus is on transforming academic ideas into scalable, impactful solutions.
Module 8. Nature-Based Solutions, Traditional Knowledge & Localised Action	This module introduces participants to the application of technology in disaster risk managment. It covers GIS, remote sensing, early warning systems, and the use of social media and digital platforms, with a case study on urban flooding. The emphasis is on equipping participants with practical tools to integrate technology into research, teaching, and institutional preparedness.

Module 9. Academic Networks & Research Proposal Formulation	This module examines the role of ecosystems, traditional knowledge, and local practices in strengthening resilience. It highlights how nature-based solutions can complement scientific and policy approaches, and explores ethical considerations in DRR research. Participants will gain an appreciation for the value of indigenous and community-driven actions in sustainable disaster management.
Module 10. Designing and Financing Action Research & Innovation	This module consolidates learning by emphasizing academic collaborations and proposal formulation. It discusses networks such as NIDM's U-NET and cross-sectoral partnerships for creating DRR research hubs. Culminating in a group activity, participants will collaboratively develop research proposals that integrate interdisciplinary perspectives and innovative approaches.
Synthesis of Course Outcome & Conclusion	This final module emphasizes reflection, assessment, and consolidation of learning. Participants will present their group assignments, complete a post-training evaluation, and engage in structured feedback exercises. The programme concludes with a review and valedictory session, marking participants' readiness to serve as academic leaders and master trainers in disaster risk reduction and management.

8. Expected Outcomes

The 5th Comprehensive Course on Disaster Risk Management will equip participants with conceptual clarity, practical skills, and pedagogical tools to integrate disaster risk reduction into their teaching, research, and institutional practices. The course is designed to not only strengthen individual capacities but also to position academic institutions as key actors in advancing resilience at local, national, and global levels.

a. Enhanced Conceptual and Policy Understanding

Participants will develop a comprehensive understanding of DRR concepts, India's vulnerability profile, and global/national policy frameworks, enabling them to align academic practice with policy priorities.

b. Hazard-Specific Knowledge and Analytical Skills

Through case-based learning, participants will strengthen their ability to analyze geological, hydro-meteorological, agricultural, and industrial hazards and propose risk reduction strategies grounded in evidence.

c. Pedagogical Innovation for DRR Education

Participants will gain practical experience in outcome-based and experiential learning approaches, equipping them to design and deliver DRR-integrated course modules.

d. Inclusive and People-centered Approaches

Participants will acquire knowledge and tools to integrate inclusivity, public health preparedness, psychosocial care, and community engagement into DRR, ensuring that resilience strategies are socially responsive and sustainable.

e. Research, Innovation, and Funding Capacity

Participants will learn to design interdisciplinary DRR research proposals, explore product development opportunities, and tap into Mitigation funds, incubation centres and various government schemes for promoting innovation ecosystem.

f. Technology-Enabled Risk Reduction

Participants will be exposed to GIS, remote sensing, early warning systems, social media, and smart technologies, with applied insights from urban flooding case studies, enhancing their ability to use tech-enabled tools in academia and practice.

g. Integration of Nature-Based and Local Knowledge

Participants will understand the role of nature-based solutions, traditional knowledge, and localized actions in resilience-building, while also engaging with ethical concerns in DRR research.

h. Academic Networking and Institutional Resilience

Participants will explore opportunities to leverage academic networks like NIDM's U-NET and cross-sectoral partnerships to foster research hubs and strengthen their institutions as knowledge and resilience centers.

i. Collaborative Outputs and Applied Learning

Through group activities, safety audits, and proposal formulation, participants will co-create outputs such as draft course modules, toolkits, and research proposals, contributing to a shared repository of academic resources for DRR.

9. Registration Process

- **Online Pre-registration:** The participants/ concerned organizations may fill up the Google Form via the below given web link: https://forms.gle/SVW9rA2pCFTbMu99A or scan QR code for sharing their nominations.

- **Confirmation:** The confirmation to attend the programme will be shared via email. Only confirmed participants will be permitted to attend the course.
- **Offline Registration:** For confirmed participants, in-person registration will take place on Day 1, 6th October, 2025, 9:30 AM onwards at the venue.

10. Boarding & Lodging

All participants are required to register through the QR code provided above in the concept note. There is no course fee; incomplete registration forms will be rejected. Once the completed nomination form is submitted, confirmation will be communicated via email. Lodging and boarding for the selected candidates will be arranged at the NIDM Rohini. No TA/DA will be provided by the host institution.

Note: Please don't proceed to join the course without the confirmation E-mail.

11. Conclusion

This training programme is designed to empower academicians to act as catalysts of resilience by integrating disaster risk reduction into education, research, governance, and community engagement. By blending conceptual clarity with practical application, it will strengthen institutional capacities, foster innovation, and nurture academic networks that bridge policy, practice, and science. Ultimately, the course aims to position higher education institutions as resilience hubs, driving risk-informed development and contributing to a safer, more sustainable future.

12. Organising Team

Patron	**Shri Shri Madhup Vyas, IAS** Executive Director NIDM
Course Coordinators	**Dr. Prerna Joshi** Assistant Professor NIDM
	Dr. Arkaprabha Sarkar Assistant Professor NIDM

5th Comprehensive Course on Disaster Risk Management

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NIDM Delhi

Course Schedule

Day-1 (Monday) 06.10.2025		
0930-1030	Registration	Dr. Prerna Joshi Assistant Professor NIDM Ms. Karishma Young Professional NIDM Shri Moses Prakasham Young Professional NIDM
1030-1130	Inaugural Session	Opening Remarks - Dr. Prerna Joshi Course Coordinator Welcome Address - Shri Madhup Vyas, IAS Executive Director, NIDM Inaugural Address - Shri Manish Bhardwaj, IAS Secretary, NDMA (tbc) Vote of Thanks - Col Manoram Yadav SM Joint Director, NIDM
1130-1200	**Tea**	

Time	**Sessions**	**Faculty/ Institution**	**Andragogy**	**Suggested Reading Links**
Module 0. Orientation, Pre-Assessment & Course Framework				
1200-1300	**Session 1: Participants' Introduction, Pre-course Assessment & Expectation of the course** ***Session Objective:*** *To facilitate participant introductions, capture expectations, and*	Dr. Prerna Joshi Assistant Professor NIDM Ms. Karishma Young Professional NIDM	Discussion and PPT	-

	conduct a pre-course assessment to establish baseline understanding and align the programme with participants' academic and professional needs.	Shri Moses Prakasham Young Professional NIDM		
1300-1400	**Lunch**			
Module 1. Introduction to Disaster Management: Key Concepts, Policy & Governance for DRR				
1400-1530	**Session 2: Basic Concepts of Disaster Management & Vulnerability of India** ***Session Objective:*** *To provide an understanding of the basic concepts of disaster management (risk, hazard, exposure, vulnerability) and familiarize participants with India's hazard profile and key vulnerabilities.*	Dr. Sushma Guleria Assistant Professor NIDM Shri Moses Prakasham Young Professional NIDM	Interactive Lecture, PPT and Group Discussion	• https://ndma.gov.in/sites/default/files/PDF/DM_act2005.pdf • https://nidm.gov.in/PDF/Disaster_about.pdf • https://nidm.gov.in/PDF/pubs/Handbook_NodalOfficer.pdf • https://www.undrr.org/drr-glossary/terminology • https://www.preventionweb.net/files/26081_kp1concepdisasterrisk1.pdf • https://www.undrr.org/publication/sendai-framework-disaster-risk-reduction-2015-2030 • https://extranet.who.int/kobe_centre/sites/default/files/pdf/WHO%20Guidance_Research%20Methods_Health-EDRM_3.2.pdf • https://www.researchgate.net/publication/313838329_DISASTER_VULNERABILITY_RISK_AND_CAPACITY_definition_concept_relati

				onship
1530-1545	**Tea**			
1545-1700	**Session 3: Policy & Legal Frameworks (Global, National and State/Local)** ***Session Objective:*** *To orient participants on global, national, and local policy and legal frameworks for disaster risk reduction, and to highlight their relevance for academic engagement, governance, and institutional resilience.*	Shri Rohit Kumar Assistant Professor NIDM Ms. Karishma Young Professional NIDM		• https://ndmindia.mha.gov.in/ndmi/images/262126.pdf • *https://ndma.gov.in/Governance/PM-10-Agenda* • https://ndma.gov.in/sites/default/files/PDF/ndmp-2019.pdf • https://ndma.gov.in/sites/default/files/PDFs/NPDM-HINDI.pdf • https://ndma.gov.in/sites/default/files/PDF/DM_act2005.pdf • https://ndma.gov.in/sites/default/files/PDF/national-dm-policy2009.pdf • https://www.undrr.org/implementing-sendai-framework/what-sendai-framework • https://sdgs.un.org/goals • https://ncrmp.gov.in/wp-content/uploads/2022/06/Inception-Report-Strengthening-Disaster-Risk-Governance-Framework-in-India-Learnings-from-Global-Best-Practices_Revisions-2.pdf • https://www.downtoearth.org.in/governanc

				e/race-to-sdgs-india-and-the-world
1830 - 2000	**Movie Screening**			
Day-2 (Tuesday) 07.10.2025 **Module 2. Academia as Knowledge & Disaster Resilience Hubs**				
1000-1015	Recap & Key Takeaways from Day 1	Volunteer Participant	Creative Activity/ Role Play/ PPT	-
1015-1115	**Session 4: Role of Academia in Disaster Governance & Knowledge Systems** ***Session Objective:*** *To explore the role of academia in disaster governance by advancing research, knowledge systems, and evidence-based practices, and to position higher education institutions as catalysts for resilience and policy support.*	Dr. Prerna Joshi Assistant Professor NIDM Dr. Kundan Consultant NIDM	Interactive Discussion	• https://www.undp.org/bosnia-herzegovina/stories/role-universities-and-academia-disaster-risk-management • https://pmc.ncbi.nlm.nih.gov/articles/PMC3442620/ • https://www.jstage.jst.go.jp/article/jdr/11/3/11_454/_pdf • https://nidm.gov.in/PDF/TrgReports/2024/May/Report_03May2024sg.pdf
1115-1130	**Tea**			
1130-1300	**Session 5: Campus Safety & Academic Institutions as Resilience Hubs** ***Session Objective:*** *To strengthen understanding of*	Shri Shekher Chaturvedi Assistant Professor NIDM Ms. Amreen Khan	PPT and Group Discussion	• https://www.sciencedirect.com/science/article/pii/S2590061725000110 • https://www.unesco.org/sdg4education2030/en/articles/safe-and-resilient-schools-climate-crisis-

	campus safety planning and promote academic institutions as hubs for resilience, preparedness, and community outreach. **Group Activity on** **Campus Safety Audit & Resilience Mapping**	Young Professional NIDM		contexts-key-takeaways-global-education-meeting • https://dirt.asla.org/2023/05/09/smart-climate-solution-schools-as-resilience-hubs/ • https://www.sciencedirect.com/science/article/abs/pii/S2212420919305321 • https://nidm.gov.in/PDF/pubs/NDMA/17.pdf
1300-1400	**Lunch**			
1400-1700	**Visit of NDMA/ IMD/ CGWB**			
1830-2000	**Movie Screening**			
Day-3 (Wednesday) 08.10.2025 **Module 3. Geological, Hydro-meteorological and Chemical-Industrial Hazards**				
0945-1000	Recap & Key Takeaways from Day 2	Volunteer Participant	Creative Activity/ Role Play/ PPT	-
1000-1100	**Session 6: Understanding Landslides: Case-Based Learning for DRR** ***Session Objective:*** To develop understanding of landslide hazards, their triggers and impacts, and to explore risk reduction strategies and	Prof. Surya Parkash Head GMRD NIDM Dr. Ravinder Singh Senior Consultant NIDM	Interactive Lecture and Discussion	• https://www.undrr.org/understanding-disaster-risk/terminology/hips/gh0007 • https://nidm.gov.in/PDF/pubs/Landslide_Preparedness_Guide_Hi.pdf • https://www.ucost.in/document/publication/research/landslide-research-paper.pdf • https://www.tandfonl

	case-based lessons for enhancing resilience.	Ms. Ramandeep Kaur Consultant NIDM		ine.com/doi/full/10.1080/19475705.2023.2273214 • https://ndma.gov.in/sites/default/files/PDF/Landslide/NLRMS.pdf • https://ndma.gov.in/sites/default/files/PDF/Landslide/landslidessnowavalanches.pdf • https://nidm.gov.in/PDF/pubs/NDMA/26.pdf • https://nidm.gov.in/PDF/pubs/Landslide_Preparedness_Guide_.pdf
1100-1115	**Tea**			
1115-1200	**Session 7: Cyclones, Tsunamis, and Coastal Risks: Learning from Case Studies** ***Session Objective:*** *To examine the nature and impacts of cyclones, tsunamis, and other coastal hazards through case studies, and to identify effective disaster risk reduction strategies and academic lessons for resilience-building.*	Shri Amarjeet Kumar Assistant Professor NIDM Ms. Karishma Young Professional NIDM	PPT and Discussion	• https://ndma.gov.in/sites/default/files/PDF/cyclone/cyclones.pdf • https://ndma.gov.in/sites/default/files/PDF/cyclone/Recommended_Practices_CSIR-SERC_NDMA.pdf • https://ndma.gov.in/sites/default/files/PDF/cyclone/ESMF.pdf • https://www.tandfonline.com/doi/full/10.1080/21513732.2014.997292 • https://ndma.gov.in/sites/default/files/PDF/Tsunami/ndma%20guidelines-%20management%20of%20tsunamis.pdf • https://nidm.gov.in/PDF/safety/flood/link1.pdf

				• https://nidm.gov.in/PDF/safety/flood/link2.pdf
1200-1315	**Session 8: Chemical and Industrial Hazards: Risk Management and Resilience Strategies** ***Session Objective:*** *To build understanding of chemical and industrial disaster risks, analyze past case studies, and explore preparedness, safety protocols, and resilience strategies relevant to academic institutions, industry, and communities.*	Prof. OB Krishna Department of Industrial & Systems Engineering IIT Kharagpur (tbc) Shri Vimal Tiwari Young Professional NIDM	Interactive Lecture and Discussion	• https://nidm.gov.in/PDF/pubs/CHEMICAL%20DISASTER%20MANAGEMENT.pdf • https://nidm.gov.in/PDF/pubs/chemical_mdc.pdf • https://nidm.gov.in/journal/PDF/Journal/NIDMJOURNAL_JulDec2022/NIDMJOURNAL_JulDec2022g.pdf • https://nidm.gov.in/pdf/guidelines/new/chemicaldisaster.pdf
1315-1415	**Lunch**			
1415-1515	**Session 9: Earthquake Risk and Resilience: Case Study Insights** ***Session Objective:*** *To analyze earthquake risks and impacts through case studies, and to explore preparedness, mitigation, and resilience strategies with relevance for academic institutions and communities.*	Dr. Amir Ali Khan Associate Professor Head RID NIDM Ms. Avipsha Mohanty Jr. Consultant NIDM	Interactive Lecture and Discussion	• https://nidm.gov.in/PDF/safety/earthquake/link17.pdf • https://ndma.gov.in/sites/default/files/PDF/Earthquake/Building-Typology-Report.pdf • https://ndma.gov.in/sites/default/files/PDF/Guidelines/Simplified_Guidelines_for_earthquake.pdf https://ndma.gov.in/sites/default/files/PDF/Guidelines/retrofitting-guidelines.pdf https://ndma.gov.in/sites/default/files/PDF/Guidelines/earthquak

				es.pdf https://nidm.gov.in/PDF/pubs/EQ%20North%20East.pdf https://nidm.gov.in/PDF/pubs/SikkimEQ_ARoadmapforRecurection2011.pdf • https://nidm.gov.in/PDF/pubs/SikkimEQ_ReconstuctionStrategy2011.pdf https://nidm.gov.in/PDF/pubs/Risk%20to%20Resilience.pdf
1515-1600	**Session 10: Agricultural Drought & Pest Attack: Case Studies** ***Session Objective:*** *To understand the impacts of agricultural droughts and pest attacks through case studies, and to discuss mitigation, adaptation, and resilience strategies for farming communities and research institutions.*	Shri Manjeet Singh Assistant Professor NIDM Shri Vikrant Maurya Jr. Consultant NIDM	Interactive Lecture and Discussion	• https://nidm.gov.in/PDF/pubs/NDMA/13.pdf • https://www.worldbank.org/en/news/feature/2023/08/17/india-managing-the-complex-problem-of-floods-and-droughts • https://imdpune.gov.in/Reports/drought.pdf • https://www.sciencedirect.com/science/article/pii/S2405880723000778 • https://www.mdpi.com/2075-4450/12/5/440 • https://www.downtoearth.org.in/natural-disasters/crops-failing-against-rising-temperatures-pest-attacks-study-69317 • https://www.sciencedirect.com/science/article/abs/pii/S16171381

				24000517
1600-1615	**Tea**			
1615-1700	**Session 11: Peer Learning Forum: Sharing Research Insights in Disaster Risk Management** ***Session Objective:*** *To provide a platform for participants to present their ongoing or completed research, exchange ideas, and receive constructive feedback from peers and experts.* ***Expected Outcomes:*** Enhanced peer-to-peer learning & identification of collaborative research opportunities	Dr. Prerna Joshi Course Coordinator Ms. Karishma & Shri Moses Prakasham Young Professionals NIDM	Group Work	-
1830 - 2000	**Movie Screening**			
Day-4 (Thursday) 09.10.2025 **Module 4. People-centered Approaches to Disaster Risk Reduction**				
1000-1015	Recap & Key Takeaways from Day 3	Volunteer Participant	Creative Activity/ Role Play/ PPT	-
1015-1115	**Session 12: Inclusive DRR: Reaching the Last, the Least, and the Lost** ***Session Objective:*** *To build understanding of inclusive DRR by addressing the needs of*	Dr. Ajinder Walia Associate Professor Head GIDRR NIDM	Interactive Lecture, Activity and Discussion	• https://nidm.gov.in/pdf/modules/gender.pdf • https://ndma.gov.in/sites/default/files/PDF/Guidelines/DIDRR.pdf • https://www.gfdrr.org/sites/default/files/publication/gender-equality-disaster-

	diverse vulnerable groups and exploring strategies for integrating equity and accessibility into academic, campus, and community resilience initiatives.	Dr. Sapna Tiwari Young Professional NIDM		recovery.PDF • https://wrd.unwomen.org/sites/default/files/202111/546_genderdisastersourcebook_0.pdf • https://www.unisdr.org/files/547_gendergoodpractices.pdf • https://www.undrr.org/media/89321/download?startDownload=20250604
1115-1130	**Tea**			
1130-1230	**Session 13: Strengthening Public Health Preparedness for Disasters** ***Session Objective:*** *To enhance understanding of public health challenges during disasters and explore strategies for strengthening preparedness, response, and resilience of health systems.*	Shri S.N. Sidh Assistant Professor NIDM Ms. Atisha Sood Consultant NIDM	PPT and Group discussion	• https://nidm.gov.in/PDF/pubs/NIDM_HealthAdaptation.pdf • https://nidm.gov.in/PDF/pubs/NIDMBook_EnvServicesForHealth.pdf • https://nidm.gov.in/PDF/pubs/HERCAP_East-NorthEastRegion.pdf • https://nidm.gov.in/PDF/Modules/Book_Participating.pdf • https://mohfw.gov.in/sites/default/files/Framework%20for%20Establishing%20and%20Operationalizing%20State%20level%20Health%20Emergency%20Operations%20Centres%20%28HEOC%29%20-%20A%20Guidance%20Document_0.pdf
1230-1330	**Lunch**			

1330-1430	**Session 14: Psychosocial Care and Mental Health Support in Disasters** ***Session Objective:*** *To highlight the importance of psychosocial care in disaster contexts and equip participants with approaches for providing mental health support and integrating psychosocial well-being into academic and institutional preparedness.*	Dr. Ajinder Walia Associate Professor Head GIDRR NIDM Ms. Annyesha Purkait Young Professional NIDM	Interactive Lecture, Activity and Discussion	• https://ndma.gov.in/sites/default/files/PDF/Guidelines/Guidelines_Mental_Health_Psychosocial_Support_Dec23.pdf • https://nidm.gov.in/PDF/modules/psychosocial.pdf • https://ndma.gov.in/sites/default/files/PDF/Guidelines/Guidelines_Mental_Health_Psychosocial_Support_Dec23.pdf
1430-1530	**Session 15: Post-Disaster Needs Assessment** ***Session Objective:*** *To familiarize participants with the Post-Disaster Needs Assessment (PDNA) methodology and its application in assessing damages, losses, and recovery needs, with a focus on how academic institutions can contribute to evidence-based recovery planning.*	Dr. Krishna S. Vatsa Member NDMA (tbc) Dr. Arkaprabha Sarkar Assistant Professor NIDM Ms. Avipsha Mohanty Jr. Consultant NIDM	Interactive Lecture and Discussion	• https://www.undp.org/publications/post-disaster-needs-assessments-guidelines-volume • https://www.gfdrr.org/en/publication/pdna • https://ndma.gov.in/Resources/public-awareness/post-disaster-needs-assessment
1530-1545	**Tea**			

1545-1700	**Session 16: Demonstration of PDNA exercise** ***Session Objective:*** *To provide hands-on exposure to the PDNA process through a demonstration exercise, enabling participants to understand its methodology, application, and relevance for evidence-based recovery planning.* ***Expected Outcomes:*** *Understanding of PDNA methodology, identifying of damages, losses & recovery needs, linking PDNA to policy & recovery planning.*	Shri Amit Tandon PDNA Expert (tbc) Dr. Prerna Joshi Assistant Professor NIDM Ms. Avipsha Mohanty Jr. Consultant NIDM		-
1830-2000	**Movie Screening**			
Day-5 (Friday) 10.10.2025 **Module 5. Experiential Learning and Pedagogical Tools for DRR**				
1000-1015	Recap & Key takeaways from Day 4	Volunteer Participant	Creative Activity/ Role Play/ PPT	-
1015-1100	**Session 17: Outcome-Based Education for DRR** ***Session Objective:*** *To introduce the principles of Outcome-*	Dr. Prerna Joshi Assistant Professor NIDM	PPT and Group discussion	• https://gauhati.ac.in/media/public/fetch/criteria/6617eb3dd2b30.pdf • https://files.eric.ed.gov/fulltext/ED380910.pdf • https://www.ametuniv.ac.in/attachment/ob

	Based Education (OBE) and enable participants to design DRR-focused learning outcomes, teaching methods, and assessments that build measurable resilience competencies in students.	Ms. Stanzin Tsela Young Professional NIDM		e.pdf
1100-1115	**Tea**			
1115-1215	**Session 18: Experiential and Game-based Learning in DRR** ***Session Objective:*** *To introduce participants to experiential and game-based learning approaches in DRR teaching, and demonstrate how simulations, role plays, and interactive games can enhance student engagement, critical thinking, and problem-solving in resilience education.*	Dr. Sharmistha Banerjee, Assistant Professor IIT Guwahati Dr. Sushma Guleria Assistant Professor NIDM Shri Moses Prakasham Young Professional NIDM	PPT and Group discussion	• https://www.sciencedirect.com/science/article/abs/pii/S1096751604000776 • https://uwaterloo.ca/centre-for-teaching-excellence/catalogs/tip-sheets/gamification-and-game-based-learning • https://www.mdpi.com/2227-7102/12/7/434 • https://www.mdpi.com/2071-1050/15/4/3706
1215-1300	**Session 19: Designing DRR Integrated Course Modules** ***Session Objective:*** *To equip participants with the skills to design and integrate DRR themes into academic course modules by*	Dr. Preeti Soni Sr. Consultant NIDM Ms. Ritu Jr. Consultant	Lecture cum interaction	• https://nidm.gov.in/PDF/Modules/IUINDRR_PG2021a.pdf • https://nidm.gov.in/PDF/Modules/IUINDRR_UG2021a.pdf

	aligning learning outcomes, content, pedagogy, and assessment with resilience-building competencies.	NIDM		
1300-1400	**Lunch**			
1400-1530	**Session 20: Developing DRR-Integrated Academic Course Modules** ***Session Objective:*** *To enable participants to apply OBE principles, experiential/game-based methods, and DRR content integration in creating a practical academic course module.* ***Expected Outcomes:*** *brief DRR-integrated course modules/ activity kits*	Dr. Prerna Joshi Course Coordinator Ms. Karishma Shri Moses Prakasham Young Professionals NIDM	Group Work	-
1545-1600	**Tea**			
1600-1700	**Session 21: Leadership in Disaster Management** ***Session Objective:*** *To strengthen understanding of leadership roles and competencies in disaster management, and to examine how academic institutions*	Shri Rajendra Singh Member & HOD NDMA (tbc)	Interactive Lecture and PPT	• https://pmc.ncbi.nlm.nih.gov/articles/PMC7198209/ • https://www.sciencedirect.com/science/article/pii/S2590061722000357 • https://jchs-medicine.uitm.edu.my/images/manuscript/vol5issue1/reviews/2Leadership_in_Disaster_Management_Theory

	can nurture effective decision-making, coordination, and vision for advancing resilience in campuses and communities.			Versus Reality.pdf • https://www.sciencedirect.com/science/article/pii/S2212096322000110 • https://knowledge.aidr.org.au/resources/ajem-january-2023-leadership-emotion-how-leaders-influence-employee-wellbeing-and-performance-in-the-disaster-and-emergency-management-context/
1800-1930	**Informal get together with Shri Rajendra Singh, Member and HoD, NDMA**			
Day-6 (Saturday) 11.10.2025 Yamuna Biodiversity Park: Ecosystem Based Approaches for Flood Risk Reduction				
Day- 7 (Sunday) 12.10.2025 Free Day				
Day-8 (Monday) 13.10.2025 **Module 6. Community Engagement for Disaster Risk Reduction**				
1000-1015	Recap and Key Takeaways from Week 1	Volunteer Participants	Creative Activity/ Role Play/ PPT	-
1015-1115	**Session 22: Engaging NSS, NCC, and DRR Clubs/Eco-Clubs in Disaster Risk Reduction** ***Session Objective:*** *To explore how NSS, NCC, and eco-clubs can*	Representative Dept. of Higher Education Ministry of Education (tbc)	Lecture cum discussion	-

	be mobilized as student platforms for awareness, preparedness & community engagement in disaster risk reduction.	Shri Rohit Kumar Assistant Professor NIDM Ms. Ritu Jr. Consultant NIDM		
1115-1130	**Tea**			
1130-1300	**Session 23: Citizen Science for Disaster Risk Reduction** ***Session Objective:*** *To introduce the concept of citizen science in DRR and enable participants to design collaborative projects that integrate local knowledge, community participation, and academic research for resilience-building.*	Dr. Prabhas Pande Retd. Prof. Ram Lal Anand College, Delhi University Dr. Prerna Joshi Assistant Professor NIDM Ms. Amreen Khan Young Professional, NIDM		• https://www.bgs.ac.uk/geology-projects/volcanoes/citizen-science-for-multi-hazards/ • https://core.unesco.org/en/project/3240113394 • https://www.preventionweb.net/publication/citizen-science-disasters • https://www.frontiersin.org/journals/earth-science/articles/10.3389/feart.2019.00226/full • https://www.sciencedirect.com/science/article/abs/pii/S2212420920314710
1300-1400	**Lunch**			
1400-1515	**Session 24: Community Engagement in DRR for model outcomes** ***Session Objective:*** *To explore strategies for involving communities at every stage of DRR*	Shri Rohit Kumar Assistant Professor NIDM	Interactive Lecture, Discussion and Group Activities	• https://www.gfdrr.org/en/citizen-engagement • https://knowledge.aidr.org.au/resources/handbook-community-engagement-for-disaster-resilience/

	projects- conceptualization, planning, implementation, and evaluation- ensuring sustainability, ownership, and scalability of resilience initiatives.	Dr. Arkaprabha Sarkar Assistant Professor NIDM Dr. Sapna Tiwari Young Professional NIDM		
1515-1530	**Tea**			
1530-1700	Mid-course Reflection/ Group Activity	Dr. Arkaprabha Sarkar Dr. Prerna Joshi Course Coordinators Dr. Pankaj Kumar Assistant Professor NIDM	Discussion and Feedback from Participants	-
1830- 2000	**Badminton Tournament (Preliminary Rounds)**			
Day-9 (Tuesday) 14.10.2025 **Module 7: Tech-Enabled Approaches to Disaster Preparedness and Risk Reduction**				
1000-1015	Recap and Key Takeaways from Day 8	Volunteer Participants	Creative Activity/ Role Play/ PPT	-

1015-1130	**Session 25: Geospatial Products and Services for DRR: Scope for Start-ups** ***Session Objective:*** *To explore how geospatial technologies and services can enhance disaster risk reduction, and to identify emerging opportunities for start-ups to innovate, deliver scalable solutions, and build resilient communities.*	Dr. Gagandeep Singh Assistant Professor NIDM Ms. Karishma Young Professional NIDM	Interactive Lecture, PPT and Group discussion	• https://www.un-spider.org/news-and-events/events/advanced-geospatial-technologies-disaster-risk-reduction-drr • https://bhuvan.nrsc.gov.in/nhpfs/pdf/NHP_NRSC.pdf • https://isprs-archives.copernicus.org/articles/XLVIII-5-2024/147/2024/
1130-1145	**Tea**			
1145-1300	**Session 26: Early Warning Systems for Disaster Preparedness and Resilience** ***Session Objective:*** *To provide an understanding of early warning systems, their components and effectiveness, and to explore how academia can contribute to developing, disseminating, and strengthening community-centric early warning mechanisms.*	Dr. Pankaj Kumar Assistant Professor NIDM Ms. Avipsha Mohanty Jr. Consultant NIDM	Interactive Lecture, PPT and Group discussion	• https://nidm.gov.in/PDF/TrgReports/2025/May/Report_14-16May2025pk.pdf • https://www.unesco.org/en/disaster-risk-reduction/ews • https://preparecenter.org/topic/early-warning-systems/ • https://wmo.int/topics/early-warning-system
1300-1400	**Lunch**			

1400-1515	**Session 27: Leveraging Social Media for Disaster Risk Reduction** ***Session Objective:*** *To explore the role of social media as a tool for disaster communication, awareness, and community engagement, and to demonstrate how digital platforms can support early warning, response coordination, and resilience-building in academic and community contexts*.	Ms. Nazia Khan IPRO NIDM Dr. Shweta Rani Consultant NIDM	PPT	• https://www.sciencedirect.com/science/article/pii/S2212420924007428 • https://www.sciencedirect.com/science/article/abs/pii/S2212420920312620 • https://iiasa.ac.at/blog/nov-2024/leveraging-social-media-intelligence-for-disaster-risk-management-game-changer-in • https://www.preventionweb.net/publication/leveraging-social-media-and-crowdsourcing-disaster-risk-management-processes-europe • https://knowledge.aidr.org.au/resources/ajem-jan-2015-the-use-of-social-media-in-countrywide-disaster-risk-reduction-public-awareness-strategies/
1515-1530	**Tea**			
1530-1700	**Session 28: Developing Mitigation Projects for Urban Flood Risks** ***Session Objective:*** *To develop mitigation projects on Urban Flood Risk Mitigation incorporating learnings from previous sessions.*	Dr. Garima Aggarwal Sr. Consultant NIDM Dr. Gagandeep Singh	Lecture & Group Work	• https://www.sciencedirect.com/science/article/pii/S2210670723005693 • https://link.springer.com/article/10.1007/s44282-025-00190-9 • https://www.mdpi.com/2624-6511/8/3/91

		Assistant Professor NIDM Shri Shreyash Dwivedi Consultant NIDM		
1830- 2000	**Badminton Tournament (Quarterfinals)**			
Day-10 (Wednesday) 15.10.2025 **Module 8: Integrating Nature-based approaches, ITK and Localised Action for DRR Research**				
1000-1015	Recap and Key Takeaways from Day 9	Volunteer Participants	Creative Activity/ Role Play/ PPT	-
1015-1115	**Session 29: Interdisciplinary Research Themes in DRR** ***Session Objective:*** *To introduce participants to key interdisciplinary research themes in disaster risk reduction and explore how integrating perspectives from science, technology, health, environment, and social sciences can foster innovation and resilience.*	Dr. Arkaprabha Sarkar Dr. Prerna Joshi Course Coordinators Ms. Koyal Sindhu Jr. Consultant NIDM	Interactive discussion	-

1115-1130	**Tea**			
1130-1300	**Session 30: Nature Based Solutions, Traditional Knowledge and Localised actions for DRR** ***Session Objective:*** *To explore the role of nature-based solutions, traditional knowledge, and localized actions in disaster risk reduction, and to examine how these approaches can be integrated into research, teaching, and community resilience initiatives.*	Dr. Prerna Joshi Assistant Professor NIDM Ms. Karishma Young Professional NIDM	Interactive Lecture and discussion	• https://iucn.org/our-work/topic/iucn-global-standard-nature-based-solutions • https://www.sciencedirect.com/science/article/pii/S2772411523000095 • https://www.undrr.org/words-into-action/traditional-and-indigenous-knowledges-drr • https://www.undrr.org/publication/nature-based-solutions-comprehensive-disaster-and-climate-risk-management-toolkit • https://www.sciencedirect.com/science/article/pii/S2212420922004745
1300-1400	**Lunch**			
1400-1500	**Session 31: Ethical concerns in DRR research** ***Session Objective:*** *To sensitize participants to ethical concerns in DRR research and highlight the importance of integrity, inclusivity, and accountability while engaging with*	Dr. Arkaprabha Sarkar Assistant Professor NIDM Ms. Annyesha Purkait Young Professional NIDM	PPT and Group discussion	• https://blogs.ucl.ac.uk/irdr/2024/02/29/is-there-such-a-thing-as-ethical-and-safe-disaster-research/ • https://www.sciencedirect.com/science/article/pii/S221242092300208X • https://www.coe.int/t/dg4/majorhazards/ressources/pub/ethical-principles-publication_en.pdf

	vulnerable communities, data, and field-based studies.			
1500-1600	**Session 32: Converting Publications to Need-based Products for DRR.** ***Session Objective:*** *To discuss the potential to convert research findings into usable products for the community to increase disaster resilience.*	Dr. Ayushi Srivastava Lecturer, OP Jindal Global University Dr. Arkaprabha Sarkar Assistant Professor Ms. Stanzin Tsela Young Professional NIDM	Case Study	-
1600-1615	Tea			
1615-1700	**Session 33: Designing Community-Centric DRR Solutions** ***Session Objective:*** *To engage participants in applying NbS, traditional knowledge, and local actions for DRR, while addressing ethical concerns and translating ideas into practical community-focused solutions.*	Course Team	Group Activity	-
1800 – 2000	**Badminton Tournament (Semi-finals)**			

Day-11 (Thursday) 16.10.2025 **Module 9: Leveraging Academic Networks and Proposal Formulation**				
1000-1015	Recap and Key Takeaways from Day 10	Volunteer Participants	Creative Activity/ Role Play/ PPT	-
1015-1145	**Session 34: Leveraging Academic Networks for DRR Research hubs** ***Session Objective:*** *To highlight the role of academic networks such as NIDM's U-NET and partnerships among HEIs in fostering collaboration, resource sharing, and development of DRR research hubs for advancing resilience education and innovation.*	Dr. Preeti Soni Sr. Consultant NIDM Ms. Koyal Sindhu Jr. Consultant NIDM		• *https://www.cambridge.org/core/journals/disaster-medicine-and-public-health-preparedness/article/abs/role-of-academic-partnership-in-disaster-risk-management-a-systematic-review/4A34DDD9EE807C3949C74AB75DDC0CB0* • *https://ndma.gov.in/sites/default/files/PDF/Landslide/landslide-dpr-template.pdf*
1145-1200	**Tea**			
1200-1300	**Session 35: Formulating a DRR Research Proposal** **Session Objective:** *To enable participants to synthesize knowledge gained from previous sessions by collaboratively developing a DRR-focused research proposal that demonstrates interdisciplinarity,*	Course Team	Group Work	-

	innovation, inclusivity, and academic relevance. ***Expected Outcomes:*** *Inter-disciplinary research proposals integrating course learnings.*			
1300-1400	**Lunch**			
1400-1515	**Session 36: Presentation of Research Proposal (by participants)**	Course Team	Discussion	
1515-1530	**Tea**			
1530-1700	**Session 36: Presentation of Research Proposal** *(contd.)*	Course Team	Discussion	
1830-2000	**Badminton Tournament (Finals)**			
Day-12 (Friday) 17.10.2025 **Module 10: Designing and Financing Action Research and Innovation in DRR**				
1000-1015	Recap and Key Takeaways from Day 11	Volunteer Participants	Creative Activity/ Role Play/ PPT	-
1015-1115	**Session 37: Product development in DRR** ***Session Objective:*** *To familiarize participants with innovation ecosystems such as Start-up India, Incubation Labs and Atal Innovation Centres,*	Dr. Abhay Jere Chief Innovation Officer Ministry of Education (tbc)	PPT and Group discussion	-

	and to explore pathways for product development in DRR that translate academic research into practical, scalable solutions.	Dr. Gagandeep Singh Assistant Professor NIDM Dr. Ramandeep Kaur Consultant NIDM		
1115-1130	**Tea**			
1130-1300	**Session 38: Funding Research in DRR** ***Session Objective:*** *To discuss opportunities, challenges, and strategies for mobilizing resources to support research and innovation in DRR.*	Session Chair: Shri Safi Ahsan Rizvi IPS Advisor (Mitigation) NDMA Discussants: Representatives from DST, ANRF, MoES, MoEFCC & DoS (tbc)	Panel Discussion	-
1300-1400	**Lunch**			

1400-1545	**Session 39: Leveraging Mitigation Funds for DRR Research and Innovation.** ***Session Objective:*** *To familiarize participants with the available funding mechanisms under the Mitigation Funds and explore pathways for tapping these resources to support DRR-focused academic research, innovation, and product development.*	Shri S.A. Rizvi, IPS Advisor (Mitigation) NDMA Shri Rohit Kumar Assistant Professor NIDM Dr. Kundan Consultant NIDM	Group discussion and presentation
1545-1600	**Tea**		
1600-1700	**Valedictory Session**		
	Course Summing up		Dr. Arkaprabha Sarkar Course Coordinator
	Certificate Distribution & Valedictory Address		Shri Madhup Vyas, IAS Executive Director NIDM
	Vote of Thanks		Col Manoram Yadav SM Joint Director NIDM

Movie Fiesta

This collection brings together stories of survival, satire, and spectacle, exploring how people face disasters, whether born of nature, science, or human folly. From the cosmic clash of Avengers: Endgame and the mythic future of Kalki 2898 AD to the dinosaur chaos of Jurassic World Dominion, the films reveal the fragility of our world. Satirical standouts like Don't Look Up, Dr. Strangelove, and Idiocracy mock denial and bad decisions, while thrillers such as The Day After Tomorrow and Snowpiercer warn of ignoring science. With human grit at their core, Train to Busan and The Wave capture ordinary people in extraordinary crises. Together, these films entertain while asking a vital question: *how will humanity respond when disaster strikes?*

1. Avengers: Endgame

Type: Movie (superhero action-drama, sci-fi disaster)

Synopsis: Following the catastrophic destruction caused by Thanos' snap in Infinity War, the surviving Avengers regroup to undo the devastation and restore half the universe's population. The film explores grief, resilience, sacrifice, and the collective fight to reverse a cosmic disaster triggered by one individual's vision of balance.

Key themes: Mass extinction (cosmic scale), human choices and consequences, sacrifice for survival, unity against overwhelming odds.

Language: English (dubbed versions in Hindi, Tamil, Telugu, etc. available in India)

Available on: Disney+ Hotstar

Year of release: 2019

2. Kalki 2898 AD

Type: Movie (Indian epic sci-fi, dystopian future)

Synopsis: A futuristic reimagining rooted in Hindu mythology, the film envisions a dystopian world where humanity struggles under corruption, ecological collapse, and authoritarian rule. A prophesied figure (Kalki) rises as a beacon of hope to end an age of darkness and restore balance.

Key themes: Climate collapse, authoritarianism, dystopia, mythological symbolism of rebirth and renewal, human resilience.

Language: Telugu (dubbed in Hindi, Tamil, Malayalam, Kannada, English)

Available on: Theatrical (2024), streaming rights expected on Amazon Prime Video/Netflix (check latest availability).

Year of release: 2024

3. Jurassic World Dominion

Type: Movie (sci-fi action, eco-disaster thriller)

Synopsis: Dinosaurs now roam freely alongside humans after being released in the previous installment. The fragile coexistence sparks ecological upheaval and existential threats. The film weaves in corporate greed, ecological imbalance, and humanity's hubris in tampering with nature.

Key themes: Ecological disaster, unintended consequences of scientific advancement, human–nature conflict, survival ethics.

Language: English
Available on: Amazon Prime Video (Rent/Buy), Apple TV, JioCinema (India).
Year of release: 2022

4. Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb

Type: Movie (satirical black comedy, Cold War disaster)
Synopsis: A deranged U.S. general triggers a nuclear doomsday scenario, while politicians and scientists scramble in absurdly ineffective ways to prevent it. Kubrick's classic is a biting satire on nuclear brinkmanship and the folly of human hubris.
Key themes: Nuclear annihilation, political folly, absurdity of war, human error in high-stakes crises.
Language: English
Available on: Amazon Prime Video (Rent/Buy), Apple TV
Year of release: 1964

5. The Day After Tomorrow

Type: Movie (climate disaster sci-fi)
Synopsis: When abrupt climate shifts causes global superstorms and a new ice age, a climatologist races against time to save his son stranded in New York. The film dramatizes the catastrophic consequences of unchecked climate change.
Key themes: Climate change, extreme weather, scientific warnings ignored, survival against global catastrophe.
Language: English
Available on: Disney+ Hotstar, Amazon Prime Video (Rent/Buy)
Year of release: 2004

6. Train to Busan

Type: Movie (zombie apocalypse thriller)
Synopsis: Passengers on a train to Busan must fight for survival when a fast-spreading zombie virus outbreak plunges South Korea into chaos. The confined setting intensifies themes of fear, trust, and humanity during crisis.
Key themes: Pandemic-like outbreak (zombie virus), survival under pressure, societal breakdown, ethical dilemmas in crisis.
Language: Korean (with English subtitles and dubs)
Available on: Amazon Prime Video, Apple TV, YouTube (Rent/Buy)
Year of release: 2016

7. Don't Look Up

Type: Movie (satirical disaster drama)
Synopsis: Two astronomers discover a planet-killing comet and struggle to alert the world. Their warnings are met with media apathy and political denial, satirizing how society might ignore scientists even in the face of imminent catastrophe.
Key themes/disaster: Global catastrophe (comet impact), crisis communication failures, infodemic, scientific denialism, politicization of disasters

Language: English
Available on: Netflix
Year of release: 2021

8. Snowpiercer

Type: Movie (dystopian sci-fi thriller)
Synopsis: After a failed climate experiment freezes Earth, the last remnants of humanity survive aboard a perpetually moving train, divided by rigid class hierarchies. A violent rebellion challenges the system.
Key themes: Climate disaster, class inequality, survival, human exploitation.
Language: English (original Korean director Bong Joon-ho; partly multilingual)
Available on: Amazon Prime Video, Apple TV
Year of release: 2013

9. Idiocracy

Type: Movie (satirical sci-fi comedy)
Synopsis: An average man wakes up 500 years in the future to find society dumbed down to catastrophic levels, with environmental decay and collapsing infrastructure. He becomes humanity's unlikely savior.
Key themes: Environmental degradation, anti-intellectualism, societal decay, satire of human shortsightedness.
Language: English
Available on: Amazon Prime Video (Rent/Buy), Apple TV
Year of release: 2006

10. The Wave

Type: Movie (Norwegian disaster thriller)
Synopsis: Inspired by real geological threats in Norway, the film follows a geologist who spots warning signs of a rockslide that could unleash a deadly tsunami in a Norwegian fjord. As disaster strikes a tourist town, he races against time to save his family and alert others.
Key themes: Natural disaster (tsunami), science vs. human complacency, survival under pressure, community resilience, warning systems.
Language: Norwegian (with English subtitles available)
Available on: Amazon Prime Video (Rent/Buy), Apple TV
Year of release: 2015

NIDM E-Learning & I-Got Courses on DM are available at:

- https://igotkarmayogi.gov.in/
- https://elearning.nidm.gov.in/local/home/index.php