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Concept Note on

6th Comprehensive Course on Disaster Risk Management

Date: 06th October- 17th October, 2025 Venue- NIDM Vijayawada,

1. Introduction

India's unique geography and large population make it highly vulnerable to disasters. In recent decades, the frequency and intensity of both natural and anthropogenic disasters have significantly increased, posing critical threats to human life, infrastructure, and the environment. The country remains susceptible to many hazards, including floods, cyclones, earthquakes, droughts, landslides, and industrial accidents. This necessitates a strengthened focus on disaster preparedness, mitigation, response, and recovery across all sectors. Climate change is significantly amplifying the frequency and severity of disasters in India, increasing the country's vulnerability to extreme weather events. Rising temperatures have led to more frequent heat waves, erratic monsoon patterns, and intense rainfall, resulting in urban flooding in major cities. Coastal regions are witnessing rising sea levels and more intensified cyclones due to warming oceans, leading to erosion, displacement, and infrastructure loss. In the Himalayas, rapid glacial melting is triggering flash floods, landslides, and glacial lake outburst floods. Agriculture is under threat from unseasonal rains and prolonged droughts, impacting food security and livelihoods. Additionally, the health of vulnerable populations is at risk due to a rise in vector-borne diseases. These changes demand urgent adoption of climate- and disasterresilient strategies, including early warning systems, adaptive infrastructure, and community preparedness.

According to official reports, 27 of India's 36 States and Union Territories are disaster-prone. Approximately 58.6% of India's landmass is prone to earthquakes, 12% is vulnerable to floods, 5,700 km of the country's 7,516 km coastline is prone to cyclones and tsunamis, and 68% of cultivable land is drought-prone. Additionally, about 15% of the land area, mostly in hilly regions, is at risk of landslides (Source: NDMA, Annual Report, 2022–23). Over the past two and a half decades (2000–2025), India has faced numerous major disasters, resulting in significant loss of lives, economic losses and infrastructure damages.

Overview of Major Disaster Types and their Impacts in India (2000-2025)

Hazard Type	Events & Frequency	Fatalities (2000– 2025)	Population Affected	
17 events per year on average; increasingly frequent extreme rainfall events in recent years.		1,600 deaths per year on average (deadliest: 2013 Uttarakhand 6,054 deaths).	Millions affected yearly (7.5 million ha flooded annually; 345 million total affected 2000–2019).	
Dozens of cyclonic storms, e.g., 41 cyclones (2012–2020). Peak season May–Nov (Bay of Bengal most active).		48% of disaster deaths (2000–19) were from cyclones, though recent cyclones have lower death tolls (e.g., 115 deaths in all 2020 cyclones). Historically high, but now often <100 per major cyclone due to evacuations.	Millions evacuated or affected per cyclone. E.g., Cyclone Amphan (2020) affected ~2.4 million and destroyed 2.8 lakh houses (WB/Odisha) – massive humanitarian impact.	
Infrequent but severe. Major quakes: 2001 Bhuj (M7.7), 2005 Kashmir (M7.6), etc. Moderate quakes occur every few years in the Himalayan region.		Over 20,000 killed since 2000 (bulk from 2001 quake and 2004 tsunami). Quakes made up 33% of disaster deaths from 2000–2019.	Hundreds of thousands are displaced in major quakes. (2001: 600,000 homeless; 2004 tsunami: 650,000 displaced). Affected relatively fewer people vs. floods/droughts (localized impact zones).	
Landslides	Seasonal/episodic events, esp. in monsoons. Dozens of significant landslides occur per year in vulnerable districts.	Typically, 200–400 deaths per year. Landslides and avalanches 2% of disaster deaths (except when coupled with floods, e.g., 2013).	Thousands are affected annually (mostly in hill communities). Individual large landslides can bury villages (e.g., 2013 Kedarnath, 2014 Malin).	
Droughts	Major nationwide droughts in 2002, 2009, and 2015; localized droughts intermittently. Slow onset, often linked to monsoon failure or El Niño.	Direct deaths are negligible (droughts are "silent" disasters). Indirect impacts on health and livelihoods, though not counted as disaster fatalities.	Largest population affected: e.g., 300 million in the 2002 drought; tens of millions in other drought years. Causes mass distress migration, economic hardship in rural areas.	

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

2. Need

The rising frequency and severity of disasters, both natural and anthropogenic hazards, climate change, rapid urbanization, and environmental degradation have made communities more vulnerable and there is a need for a greater focus on disaster preparedness and mitigation. Traditionally, the approach to disasters was reactive, focusing primarily on relief and rehabilitation. However, contemporary Disaster Risk Management emphasizes a proactive risk reduction, requiring trained officers to assess vulnerabilities, implement early warning systems, and educate communities to build resilience.

Moreover, managing disasters has become a complex and multidisciplinary task, involving coordination across sectors such as health, infrastructure, and the environment, as well as the use of advanced technology such as GIS and remote sensing etc. Many regions, especially in developing countries, lack sufficient human resources to effectively carry out these tasks, leading to gaps in preparedness and response. Additionally, global commitments like the Sendai Framework for DRR and the Sustainable Development Goals underscore the importance of strengthening institutional capacities. The trained cadre of professionals plays a critical role not only during emergencies but also in long-term recovery and development, ensuring that affected areas can rebuild in a safer and more sustainable manner. Considering these aspects, NIDM is proposing to organize a two-week "Comprehensive Training Course on Disaster Risk Management" at NIDM, Rohini Campus.

3. Aim of the Course

To build the knowledge and skills of participants for effectively understanding, assessing, and managing disaster risks through a multi-hazard, multi-sectoral, and technology-integrated approach, thereby contributing to a resilient and disaster-prepared India.

4. Learning Objectives of the Course

- To enhance the knowledge on hazard, vulnerability and risk prevailing across India.
- To enhance the understanding of national and global disaster management frameworks.
- To promote mainstreaming of DRR into development planning and sectoral policies.
- To provide exposure to post-disaster recovery planning and the Build Back Better approach.
- To introduce financial risk reduction tools and insurance mechanisms.

5. Target Group

Entry to mid-level officials (Group A and B) from the central, state, and local governments, such as SDMAs and ATI's, the Central Ministries/Departments, Universities/ Institutions members under IUINDRR Network (NIDM's managed network), and others engaged with disaster management field and involved in policymaking, governance, humanitarian aid, first response, etc., will make up the target group. Senior experts who work with other agencies and participate in related activities can also be invited.

6. Methodology

The methodology of the Two-Week Comprehensive Training Course on Disaster Risk Management is designed to provide a practical, participatory and immersive learning experience that aligns with national policies and international frameworks.

- **a) Blended Learning Approach-** The course adopts a blend of instructional strategies to ensure theoretical grounding and practical understanding. These include:
 - **Expert Lectures:** Delivered by domain experts, government officials, and academics on core topics in disaster risk management.
 - **Panel Discussions:** Multi-stakeholder dialogues exploring challenges and innovations in DRM.
 - **Case Study Analysis:** Focused on real-world examples such as the 2013 Uttarakhand floods, 2021 Rishiganga flash floods, and cyclone response efforts.

b) Experiential and Participatory Learning

- **Group Activities**: Simulations and role-playing exercises to encourage teamwork and real-time problem-solving.
- **Interactive Sessions:** Facilitated Q&A, scenario-based drills, and participatory brainstorming.
- **Hands-On Exercises:** Activities such as mock disaster response, field mapping, and disaster preparedness planning.

c) Technology-Enabled Training

- **Use of GIS, RS, and UAVs:** Training on risk assessment tools and hazard mapping.
- **Multimedia Tools:** Use of awareness films, documentaries, and digital content to enhance engagement and comprehension.

d) Field Exposure and Demonstrations

- **Field Visits:** To NDRF, IMD, and NCS.
- **Live Demonstrations:** Emergency response techniques (e.g., fire safety, search and rescue) conducted by professional services like the Andhra Pradesh Fire Service.

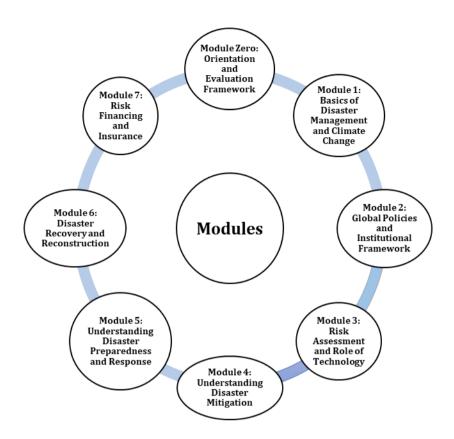
- Technology based demos- SACHET, NDEM, IDRN, NDMIS
- **e) Structured Module Progression-** The programme is divided into 7 comprehensive modules, each building progressively on participants' understanding, from foundational concepts to specialized areas like risk financing, post-disaster recovery, and cross-cutting issues like health and gender.
- **f)** Cross-Sectoral and Multi-Stakeholder Engagement- Participants interact with officials from SDMAs, ATIs, civil society, and academia, promoting peer learning and inter-institutional collaboration.

g) Evaluation and Feedback Mechanism

- Pre and Post-Training Assessments to measure knowledge acquisition.
- Daily Feedback Sessions to recalibrate teaching methods and address participant concerns.
- Final Review and Recommendations for sustaining and expanding DRM initiatives.

7. Structure of the Training Module

The comprehensive training programme is designed as a two-week course, divided into seven modules, each addressing a critical aspect of disaster risk management. It begins with Module Zero, which includes an ice-breaking session, orientation, and pre and post-training evaluations. The core themes cover the fundamentals of disaster management, global and national policy frameworks, preparedness strategies, technological tools for risk assessment, mitigation approaches, response and recovery operations, financial mechanisms, and cross-cutting issues such as health, gender, and inclusive approaches. These cross-cutting issues are seamlessly integrated into the curriculum to ensure a holistic and inclusive learning experience, equipping participants with the knowledge and skills needed to address key societal challenges effectively. Each module incorporates lectures, case studies and practical exercises to foster a well-rounded understanding, promote sectoral integration, and enhance participants' capacity to manage disasters efficiently.



Module -wise details are as follows:

Module Zero:	The module Zero serves as the foundational layer of the two-week							
Orientation and	training programme. It sets the tone for the course, ensures							
Evaluation	structured feedback mechanisms, and enables outcome-based							
Framework	learning through continuous evaluation. This module is designed to							
	provide a clear understanding of the training flow, foster engagement							
	from the outset, and conclude the programme with impactful							
	reflection and feedback.							
Module 1: Basics	This module introduces key concepts of disaster management,							
of Disaster	focusing on both natural (floods, earthquakes, cyclones) and human-							
Management and	induced (industrial accidents, fires) hazards. It highlights the							
Climate Change	increasing frequency of extreme events in India due to climate							
J	change. Participants will learn about the disaster management cycle,							
	which includes mitigation, preparedness, response, and recovery,							
	emphasizing the need for an integrated and proactive approach. A							
	role-play activity on Do's and Don'ts during disasters helps reinforce							
	practical safety measures. The module sets a strong foundation for							
	understanding risks, promoting awareness, and encouraging active							
	participation in disaster risk reduction and preparedness.							
Module 2: Global	This module covers international and national frameworks guiding							
Policies and	disaster risk reduction. Participants will be introduced to the Sendai							
Institutional	Framework for Disaster Risk Reduction, Sustainable Development							
Framework	Goals (SDGs), and the Paris Agreement. Focus will also place on							
	India's National Policy on Disaster Management (NPDM) and							
	institutional structures such as NDMA, SDMAs, and DDMAs. Legal							
	instruments like the Disaster Management Act, 2005 will be							

discussed to understand governance mechanisms. Through presentations and discussions, trainees gain insights into coordination mechanisms across government levels. Awareness films and case studies support conceptual understanding, emphasizing India's alignment with global resilience goals.

Module 3: Risk Assessment and Role of Technology

This module introduces participants to risk assessment methodologies, focusing on hazard, vulnerability, exposure, and capacity. It explores the use of GIS, Remote Sensing, and UAVs for data collection and analysis in disaster contexts. A key highlight is the discussion on gender and inclusion, emphasizing the need to address the specific needs of vulnerable groups like women, children, the elderly and persons with disabilities. Participants will also learn to prepare Disaster Management Plans and identify multi-hazard risk indicators for schools, communities, and institutions through interactive activities. This module builds competence in riskinformed, inclusive, and evidence-based planning.

Module 4: Understanding Disaster Mitigation

This module focuses on long-term strategies to reduce disaster risk through structural and non-structural measures. Participants will learn about resilient infrastructure, building codes, and retrofitting practices with emphasis on earthquake risk mitigation. Case studies on floods and cyclones illustrate how communities and systems can reduce damage through proactive planning. Urban flood risks and solutions will be explored, considering rapid urbanization and climate change. A quiz enhances participant's understanding of mitigation concepts. This module equips the trainees with the tools and strategies needed for reducing vulnerabilities and building disaster-resilient infrastructure at the local and national levels.

Module Disaster Preparedness and Response

This module enhances understanding on how to prepare for and respond to disasters. It covers health emergencies, epidemic response, and the importance of psychosocial support. Through a group activity, participants will explore how to mainstream disaster risk reduction (DRR) into key sectors like health, housing, and education. Practical aspects of institutional preparedness, including SOPs, early warning, and response coordination, will be discussed. A panel discussion with experts from NDMA, NDRF and MHA will be an opportunity to learn from field-level experiences. An interactive session on psychosocial care through role-play builds skills for community engagement and mental health support in disaster participants will learn about emergency situations. The communication tools such as Sachet App, Common Alert Protocol (CAP), and platforms like IDRN and NDMIS.

Module 6: Disaster Recovery and Reconstruction

This module through the field-based approaches offers practical exposure through visits to key disaster response and early warning agencies. At NDRF, participants witness demonstrations of search and rescue operations, equipment use, and team coordination. A visit to the India Meteorological Department (IMD) and National Centre for Seismology (NCS) provides insight into multi-hazard early warning systems, forecasting tools, and communication protocols. These visits reinforce classroom learning and enable participants to

	engage directly with professionals working in disaster forecasting and emergency response. The experience strengthens their understanding of how early warnings can save lives and reduce disaster impacts.
Module 7: Risk Financing and Insurance	This module focuses on the post-disaster phase, introducing principles of disaster recovery and reconstruction. It emphasizes on Build Back Better (BBB) approaches to ensure resilient redevelopment. The Post-Disaster Needs Assessment (PDNA) methodology is explained using real case studies. Another key area is risk financing and insurance, where financial mechanisms to manage and transfer disaster risks will be discussed. A panel discussion with experts from NDMA, UNDP, and insurance sectors highlights financing options for governments and communities. The module builds capacity for strategic, long-term recovery planning.
Assessment and Conclusion	This concluding module focuses on review, reflection, and assessment. Participants will present their group assignments and take part in a post-training assessment. The course concludes with feedback collection, review, and a valedictory session, marking the participants' readiness to act as trained master trainers in disaster risk reduction and management.

8. Cultural Evening

A vibrant Cultural Evening will be organised at the NIDM Campus to celebrate rich cultural heritage while fostering camaraderie among participants. The evening will have a musical, and dance performances that reflect our diverse traditions and resilience.

9. Expected Outcomes

- Enhanced understanding of disaster risk and vulnerability in India.
- Improved readiness to plan and implement DRM strategies at multiple levels.
- Increased awareness and use of technological tools in DRR.
- Strengthened coordination among agencies for integrated disaster management.

10. Registration Process:

- **Confirmation:** After receiving the nominations, a confirmation email will be sent by NIDM to the nominated participants. Along with the confirmation email, a Google Form link will be shared with confirmed participants for providing additional details required for the programme. Only those who receive the confirmation mail will be permitted to attend the course.
- **Offline Registration:** For confirmed participants, in-person registration will take place on Day 1 of the programme (06 October 2025) from 9:15 AM onwards at the venue..

11. Boarding and Lodging

All participants are required to register through the Google Form link provided in confirmation mail. 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 Vijayawada Hostel. No TA/DA will be provided by the host institution.

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

12. Conclusion

The comprehensive training course on DRM is a vital step towards strengthening disaster resilience in India. It incorporates the integration of knowledge, tools, innovative technologies, and cross-sectoral strategies, and it empowers professionals to plan, respond, and recover effectively from disasters, supporting national goals and global commitments in disaster risk reduction and sustainable development.

13. Organizing Team

Patron	Shri Madhup Vyas, IAS, Executive Director, NIDM			
Co-Patron	Co-Patron Col. P.S Reddy, Joint Director, NIDM-Vijayawada			
Course	Shri Manjeet Singh, Assistant Professor, NIDM			
Coordinators	(manjeetsingh.nidm@nidm.gov.in)			
Co- Course	1. Shri Amarjeet Kumar Assistant Professor, NIDM			
Coordinators	(amarjeet.nidm@nic.in)			
	2. Shri Rohit Kumar, Assistant Professor, NIDM (rohit.nidm@nic.in)			
Program Team	1. Thakur Deobardhan Kinwar, Librarian, NIDM			
	2. Shri. Pradeep Goud, Training Assistant, NIDM			

6th Comprehensive Course on Disaster Risk Management at NIDM Vijayawada, 06-17 October 2025

Course Schedule

0900 - 0945	Registration	To be managed by organizing team, NIDM	
Inauguration (M	onday): 06.10.2025		
0945-0950	Introduction and Context Setting	Shri Manjeet Singh, NIDM	
0950 - 1010	Welcome Address	Shri Rohit Kumar, NIDM	
1000 - 1025	Inaugural Address	Col. P S Reddy, Joint Director, NIDM	
1025 - 1030	Vote of Thanks	Shri Amarjeet Kumar, NIDM	
1030 - 1100	Group Photo and Tea Break		

Time	Sessions	Pedagogy	Faculty/Institution	Suggested Reading Links
Day 1 (Monday	y): 06.10.2025			
1100- 1145 (45 minutes)	Session 1: Leadership Role in Disaster Management	PPT and Discussion	Col P.S. Reddy, JD NIDM/ NIDM faculty	 https://www.sciencedirect.com/science/article/pi i/S2590061722000357 https://ndma.gov.in/sites/default/files/PDF/Tech nical%20Documents/HDM Advanced.pdf https://ndma.gov.in/sites/default/files/PDF/NDM A%20DDMP%20Explanatory%20Notes.pdf https://arastirmax.com/en/system/files/dergiler /25821/makaleler/5/1/arastirmax-role- leadership-managing-emergencies-and- disasters.pdf https://egyankosh.ac.in/bitstream/123456789/2 6466/4/Unit-15.pdf

1145- 1230 (45 minutes)	Session 2: Introduction of the course and Ice- Breaking Exercise	Pre-training assessment and Group activity	Dr. Balu I	
1230- 1315 (45 minutes)	Session 3 (part-1): Overview of Prevailing Disasters, Extreme Events, and Climate Change Events in India	PPT & Group Discussion	Smt. S Stella, SCI- F Andhra Pradesh State Incharge IMD, Vijayawada	 https://bmtpc.org/topics.aspx?mid=56&Mid1=18
1315-1415	Lunch Break			
1415- 1515 (60 minutes)	Session 4: Understanding of Disaster Management and its Cycle	PPT & Group Discussion	Shri Manjeet Singh Asst. Professor NIDM	 https://ndma.gov.in/sites/default/files/PDF/ndm p-2019.pdf https://ndmindia.mha.gov.in/ndmi/viewUploaded Document?uid=NEW732https://nidm.gov.in/PDF/Disaster_about.pdf https://egyankosh.ac.in/bitstream/123456789/25910/1/Unit-2.pdf https://cbseacademic.nic.in/web_material/publication/archive/natural%20hazards%20&%20disaster%20management.pdf
1515-1530	Tea Break	l		<u> </u>
1530- 1645 (75 minutes)	Group Activity 1– Role Play Activity based on Do's and Don'ts of various disasters	Role Play/ Group Activity	Dr. Balu I	https://www.ndma.gov.in/Resources/awareness/ heatwave https://www.ndma.gov.in/Resources/awareness/ Urban_flood

1645-1700 (15 minutes)	Summing- up	-		 https://ndma.gov.in/sites/default/files/PDF/pock etbook-do-dont.pdf https://nidm.gov.in/PDF/IEC/DOS E 24.pdf https://nidm.gov.in/PDF/IEC/awareness.pdf
	ay): 07.10.2025	<u> </u>	Chai Mariant Chal	
0930- 1000 (30 minutes)	Recapitulation by Assigned Group	-	Shri Manjeet Singh Asst. Professor NIDM	-
1000- 1115 (75 minutes)	Session 5: Global and National Disaster Risk Reduction Frameworks	PPT & Group Discussion	Shri Rohit Kumar, Asst. Professor, NIDM	 https://www.undrr.org/publication/sendai-framework-disaster-risk-reduction-2015-2030 https://www.unicef.org/disaster-risk-reduction-and-recovery https://unstats.un.org/sdgs/indicators/Global%2 OIndicator%20Framework%20after%20refineme nt Eng.pdf https://ndma.gov.in/sites/default/files/PDF/ndm p-2019.pdf https://ndmindia.mha.gov.in/ndmi/npdrr- constitution https://www.mospi.gov.in/sites/default/files/publ ication reports/SDG-NIF-ProgressReport-FullFile- v4N.pdf https://www.niti.gov.in/sites/default/files/2024-
1115-1130	Tea Break			10/SDG India Index 2023-24.pdf
1113 1130				1. https://ndma.gov.in/national-dm-policy
1130- 1245 (75 minutes)	Session 6: Legal and Institutional Frameworks of Disaster Management in India	PPT & Group Discussion	Shri Rohit Kumar, Asst. Professor, NIDM	 https://ndmindia.mha.gov.in/ndmi/images/2621 26.pdf https://ndmindia.mha.gov.in/ndmi/images/2623 43.pdf

	Awareness Activity 1-			 https://ndmindia.mha.gov.in/ndmi/viewUploaded Document?uid=NEW732 https://ndma.gov.in/Reference Material/PM Ten Agenda https://nidm.gov.in/pdf/pubs/hpc report.pdf
1245- 1300 (15 minutes)	Short Films: • After Shock by SRM University; • Stay back by Mizoram University	Audio- Visual	NIDM Faculty	 https://youtu.be/tM0Yq120ZyA?si=y 4rjjysHyISdd ES https://youtu.be/f- cOHiXfGNU?si=OjwWPu52icCc758b
1300- 1400	Lunch Break		<u>, </u>	
1400- 1515 (75 minutes)	Session 7: Hazard Risk Vulnerability Capacity Assesment: Tools and techniques	PPT & Group discussion	Shri Manjeet Singh Asst. Professor NIDM	 https://ndma.gov.in/sites/default/files/PDF/ndm p-2019.pdf https://nidm.gov.in/PDF/Modules/Handbook%20 Labour NIDM24.pdf https://ndma.gov.in/sites/default/files/PDF/Guid elines for Preparation of DMP for Ministry-Departments of Govt. of India.pdf https://nidm.gov.in/PDF/Modules/Handbook%20 Labour NIDM24.pdf https://nidm.gov.in/PDF/guidelines/sdmp.pdf https://nidm.gov.in/PDF/modules/village.pdf
1515-1530	Tea Break			
1530- 1645 (75 minutes)	Session 8: HRVCA: Group Exercise	Group Exercise and activity	Shri Manjeet Singh Asst. Professor NIDM	 https://www.nrsc.gov.in/sites/default/files/pdf/ebooks/QRG on GIS.pdf https://nerdrr.gov.in/hrva.php https://nidm.gov.in/pdf/pubs/DRR-Urban.pdf https://dst.gov.in/sites/default/files/Full%20Report District-

1645-1700			Shri Manjeet Singh	5.	Level%20Climate%20Risk%20Assessment%20for %20India Mapping%20Flood%20and%20Drough t%20Risks%20Using%20IPCC%20Framework.pdf https://nidm.gov.in/PDF/modules/geo.pdf
(15 minutes)	Summing-up	-	Asst. Professor NIDM	-	
Day 3 (Wednes	sday): 08.10.2025				
0930- 1000 (30 minutes)	Recapitulation by Assigned Group		Shri Manjeet Singh Asst. Professor NIDM	-	
1000- 1115 (75 minutes)	Session 9: Sectoral impact of Disasters	PPT & Group Discussion	Shri Manjeet Singh Asst. Professor NIDM	1. 2. 3. 4. 5.	https://nidm.gov.in/PDF/modules/flood3.pdf https://nidm.gov.in/PDF/modules/flood.pdf https://nidm.gov.in/PDF/IEC/flood-15.pdf https://ndem.nrsc.gov.in/#/ https://nidm.gov.in/PDF/pubs/Book Archival%2 ORecord%20Flood 2025.pdf https://ndma.gov.in/sites/default/files/PDF/Guid elines/flood.pdf https://www.preventionweb.net/files/51114 cap ramethodsinfloodhazardandriskass.pdf
1115-1130	Tea Break				

1130- 1300 (90 minutes)		PPT & Group Activity	Prof. Saraswati Raju Iyer, Nagarjuna University, Guntur, AP	1. https://www.cdpp.co.in/articles/gendered-justice-in-disaster-relief-legal-gaps-in-protecting-women farmers-from-climate-induced-displacement https://www.downtoearth.org.in/climate-change/gender-disaggregated-data-needed-to-formulate-robust-policies-on-climate-induced- disasters-experts
1300-1400	Lunch Break			
1400-1515 (75 minutes)	Session 11: Multi- Dimensional Vulnerability Assessment	Group Activity/ Interactive Session	Prof. Saraswati Raju Iyer, Nagarjuna University, Guntur, AP	 https://nidm.gov.in/PDF/pubs/ACTIVITY%20B00 K%20DM.pdf https://nidm.gov.in/PDF/pubs/NDMA/18.pdf https://ftp.itc.nl/pub/westen/Multi_hazard_risk_c ourse/Exercises/Multi- hazard%20exercise%20book.pdf https://nesac.gov.in/assets/resources/2020/12/H RVA Manual.pdf https://damsafety.cwc.gov.in/ecm- includes/PDFs/Guidelines on Risk Analysis.pdf https://qps.nhsrcindia.org/sites/default/files/202 4-10/Risk%20Management_0.pdf https://nidm.gov.in/PDF/pubs/ACTIVIT Y%20B00 K%20DM.pdf
1515-1530	Tea Break			

1530-1645 (75 minutes)	Session 12: Flood Risk Assessment – Tools and Techniques	PPT & Group Discussion	Resource person from CWC/ APSDMA	 https://bhuvan.nrsc.gov.in/home/index.php https://www.preventionweb.net/news/land and-geospatial-information-cornerstone improve-community-resilience https://www.preventionweb.net/news/copernicus-eye-sky-brings-disaster-management-whole new-level https://www.preventionweb.net/publication/solid-ground-increasing-community-resilience through-improved-land-administration-and https://appliedsciences.nasa.gov/get involved/training/english/arset-disaster- assessment-using-synthetic-aperture-radar
1645- 1700 (15 minutes)	Summing- up	-	Shri Manjeet Singh Asst. Professor NIDM	-

Day 4 (Thursday): 09.10.2025				
0930- 1000 (30 minutes)	Recapitulation by Assigned Group and Introduction	-	Shri Manjeet Singh Asst. Professor NIDM	-
1000- 1100 (60 minutes)	Session 13: Earthquake/Landslides	PPT & Group Discussion	Dr. Pankaj Kumar, Asst. Professor NIDM	 https://ndma.gov.in/sites/default/files/PDF/Guid elines/Simplified Guidelines for earthquake.pdf https://ndma.gov.in/sites/default/files/PDF/Guid elines/retrofitting-guidelines.pdf https://ndma.gov.in/sites/default/files/PDF/Guid elines/earthquakes.pdf https://nidm.gov.in/PDF/pubs/EQ%20North%20 East.pdf https://nidm.gov.in/PDF/pubs/SikkimEQ ARoad mapforRecurection2011.pdf https://nidm.gov.in/PDF/pubs/SikkimEQ Reconst uctionStrategy2011.pdf https://nidm.gov.in/PDF/pubs/Risk%20to%20Re silience.pdf
1100-1115	Tea Break		<u> </u>	
1115- 1230 (75 minutes)	Session 14: Mitigation and Infrastructure Resilience	PPT & Case Study	Dr. Pankaj Kumar, Asst. Professor NIDM	 https://globalplatform.undrr.org/2022/sites/def a ult/files/2022- 05/UNDRR%202022%20Principles%20for%20R e silient%20Infrastructure.pdf https://cdri.world/upload/pages/G20 Brazil Compendium.pdf https://www.mha.gov.in/sites/default/files/NPDM-101209.pdf https://cdri.world/upload/pages/17852322879 06510 202312140503undrr cdri global methodology for infrastructure review.pdf https://nidm.gov.in/PDF/modules/urban.pdf https://nidm.gov.in/PDF/pubs/EQ%20North%

				20 East.pdf 7. https://indiajapanlab.org/wpIJ/wp- content/uploads/2024/01/15Role-of-Media- in-Disaster-Risk-Reduction-C.pdf
1230-1300 (30 minutes)	Awareness Activity 2: Quiz on Disaster Management	Interactive Session	Shri Manjeet Singh Asst. Professor NIDM	-
1300-1400	Lunch Break			
1400- 1515 (75 minutes)	Session 15: Role of Media in Disaster Management	PPT & Group Discussion	Resource Person from DD Saptagiri (TBC)	 https://nidm.gov.in/pdf/ncrmp/Deliverable%2 01 4-2.pdf https://www.adpc.net/igo/category/ID1021/do
1515- 1530	Tea Break			
1530-1645 (75 minutes)	Session 16: Communication in Emergency Situations (EOC)	PPT & Group Discussion	Mr. Peter Raj, DSP, APSDMA	 https://nidm.gov.in/PDF/Modules/NIDM CDM20 21.pdf https://nidm.gov.in/PDF/Modules/NIDM SBCC20 21.pdf https://www.nrsc.gov.in/sites/default/files/pdf/ RD Activities/Applications/14.pdf https://www.nidm.gov.in/pdf/guidelines/new/nd mandmicsguidelines.pdf
				5. https://www.preventionweb.net/files/52828 apu bliccommunication [1].pdf
1645- 1700 (15 minutes)	Summing Up	-	Shri Manjeet Singh Asst. Professor NIDM	
Day 5 (Friday)	10.10.2025			

0930- 1000 (30 minutes)	Recapitulation by Assigned Group	-	Shri Manjeet Singh Asst. Professor NIDM	-	
1000- 1115 (75 minutes)	Session 17: Public Health Resilience and DRR	PPT & Group Discussion	Dr. Asha Sayyad Parveen, Siddartha Medical College, Vijayawada	1. 2. 3. 4. 5. 6.	ting.pdf https://ndma.gov.in/sites/default/files/PDF/Guid elines/Guidelines Mental Health Psychosocial Su pport Dec23.pdf https://nidm.gov.in/PDF/pubs/NDMA/18.pdf https://mohfw.gov.in/sites/default/files/Framew ork%20for%20Establishing%20and%20Operatio nalizing%20State%20level%20Health%20Emerge ncy%20Operations%20Centres%20%28HEOC%2 9%20-%20A%20Guidance%20Document 0.pdf https://ncdc.mohfw.gov.in/wp- content/uploads/2024/08/PUBLIC-HEALTH- GUIDELINES-FOR-FLOOD-EVENT.pdf
1115-1130	Tea Break	1			
1130-1300 (60 minutes)	Session 18: Psycho - Social aspect of Disaster Management and Essential skills	Group Activity & Role Play	Mr. Rohit Kumar, Asst. Professor, NIDM	 1. 2. 3. 4. 6. 	df https://ndma.gov.in/sites/default/files/PDF/Guid elines/Guidelines Mental Health Psychosocial Su pport Dec23.pdf https://www.nimhans.ac.in/departments/psychos ocial-support-in-disaster-management https://egyankosh.ac.in/bitstream/123456789/5 8972/1/Unit4.pdf https://www.who.int/news-room/fact- sheets/detail/mental-health-in-emergencies

1315-1400	Lunch Break				
1400- 1515 (75 minutes)	Session 19: Preparation of Disaster Management Plan	PPT & Group Discussion/ Activity	Shri Manjeet Singh/ Shri Rohit Kumar Asst. Professor NIDM	2.3.4.5.	https://nidm.gov.in/pdf/modules/gender.pdf https://ndma.gov.in/sites/default/files/PDF/Guid elines/DIDRR.pdf https://www.gfdrr.org/sites/default/files/publica tion/gender-equality-disaster-recovery.PDF https://wrd.unwomen.org/sites/default/files/202 1-11/546 genderdisastersourcebook 0.pdf https://www.unisdr.org/files/547 gendergoodpra ctices.pdf https://www.undrr.org/media/89321/download ? startDownload=20250604

1515- 1530	Tea Break			
1530- 1645 (75 minutes)	Session 20: Practical Aspects to Enhance Preparedness & Response during Disasters	PPT & Group Discussion	Dr. Prasad, APSDMA	 https://nidm.gov.in/PDF/pubs/NDRP.pdf https://ndma.gov.in/sites/default/files/PDF/Guidelines/HADR Guideline Oct 2024.pdf https://nidm.gov.in/PDF/guidelines/sdmp.pdf https://nidm.gov.in/PDF/Modules/Handbook%20 Labour NIDM24.pdf https://nidm.gov.in/PDF/pubs/Handbook NodalOfficer.pdf https://ndmindia.mha.gov.in/ndmi/images/pdf/SOP-NDM-2010.pdf
1645-1700 (15 minutes)	Briefing for the field visit and Summing- up		Course Coordinators	

Day 6: Exposu	re Visit to NDRF (Saturda	y): 11.10.2025			
0930 0945-1000	Assembly at NIDM Transit to NDRF 10 th		Facilitated by course coordinators and team	 https://www.ndrf.gov.in/en/study-material https://dea.gov.in/sites/default/files/Guidelines %20for%20National%20Disaster%20Response% 	
(15 minutes)	Battalion, Kondapavaluru	Field visit	coordinators and team	20Fund%20%28NDRF%29.pdf	
1000-1300	Session 22: Role of NDRF		Commandant/ Assistant Commandant, 10 bn NDRF	3. https://ndrf.gov.in/sites/default/files/CAPACITY %20BUILD.pdf	
1300-1400	Lunch Break				
1400- 1500 (60 minutes)	Session 23: Demonstration on CBRN / Rope / Rescue / Response	Field visit	Facilitated by NDRF tear	n	
1500-1515	Tea Break				
1515- 1700 (105 minutes)	Session 24: Equipment display	Field visit	Facilitated by NIDM/NDRF team		
1700	Return to the campus				
Day 7 (Sunday): 12.10.2025				
Day 8 (Monday	y) 13.10.2025				
0930- 1000 (30 minutes)	Debriefing Session	-	Shri Amarjeet Kumar, Asst. Professor, NIDM	-	
1000- 1115 (75 minutes)	Session 25 : Urban Flooding- Causes and Mitigation Strategies	PPT & Group Discussion	Shri Amarjeet Kumar, Asst. Professor, NIDM	 https://ndma.gov.in/sites/default/files/PDF/Guid elines/management urban flooding.pdff https://mohua.gov.in/upload/uploadfiles/files/SO P%20Urban%20flooding 5%20May%202017.pdf https://documents1.worldbank.org/curated/en/O 99080123151036528/pdf/P1744620efe1180a20 bc1b0ce287e74ff91.pdf https://nidm.gov.in/PDF/pubs/KeralaFlood 18.pd f 	

				5.	https://nidm.gov.in/PDF/modules/flood3.pdf
1115-1130	Tea Break				
				1.	OY_NIDM24.pdf
					https://nidm.gov.in/PDF/pubs/FloodRM NIDM20 22.pdf
1130- 1300 (90 minutes)	Session 26: Cyclone Risk Mitigation- Case	PPT & Group Discussion	Shri Amarjeet Kumar, Asst. Professor, NIDM	3.	https://ndma.gov.in/sites/default/files/PDF/cyclo ne/cyclones.pdf
(90 minutes)	Studies	Discussion	Asst. I Tolessol, NiDN	4.	https://ndma.gov.in/sites/default/files/PDF/Floods/flood.pdf
				5.	https://ndma.gov.in/sites/default/files/PDF/Guidelines/cyclones.pdf
				6.	· · ·
1300-1400	Lunch Break				
	Session 27:				
1400- 1515	Demo 1- Use of Sachet App and Common Alert Protocol (CAP)- 30 mins	PPT & Group Discussion	Shri Manjeet Singh, Asst. Professor, NIDM	1. 2.	https://sachet.ndma.gov.in/OnclickNotification/1 8522-AAA https://idrn.nidm.gov.in/About/Index
(75 minutes)	Demo 2- NDEM Portal by NRSC -30 mins	PPT & Group Discussion		3. 4.	https://ndma.gov.in/sites/default/files/PDF/Guidelines-of-IDRN.pdf
	Demo 3- IDRN online platforms and other portals managed by NIDM- 15 mins	PPT & Group Discussion			· · · · · · · · · · · · · · · · · · ·
1515-1530	Tea Break				

1530- 1615 (75 minutes)	Session 28: Fire Risk Mitigation	PPT/ Live	Chief Fire Officer, Vijayawada, AP Fire Services.	 https://ndma.gov.in/Resources/awareness/fire-safety https://www.aerb.gov.in/images/PDF/fire.pdf https://bharatskills.gov.in/pdf/QP Curriculum/CT SFireman CTS NSQF-3.pdf https://www.ntiprit.gov.in/pdf/infrastructureman agement/Fire safety.pdf https://mohua.gov.in/upload/uploadfiles/files/Ch ap-7.pdf
1615- 1730 (75 Minutes)	Demo 4- Fire-fighting techniques	Demonstration / Interaction	AP Fire Services	-
Day 9: Field Vi	sit- 14.10.2025			
0845	Assembly at NIDM			-
0930-1100	Transit to Field		Course Coordinator team	
1100-1700	Exposure visit to Flood Affected area during Vijayawada Floods nearby Vijayawada	Field visit		 https://mausam.imd.gov.in/ https://seismo.gov.in/
Day 10 (Wedn	esday): 15.10.2025			
0930- 1000 (30 minutes)	Debriefing Session	-	Shri Manjeet Singh, Asst. Professor, NIDM	-

1000-1115 (75 minutes)	Session 29: Disaster Risk Finance	Discussion	Shri Rohit Kumar, Assistant Professor, NIDM	1. 2. 3. 4. 5.	https://www.undrr.org/gar/gar2025 https://www.adb.org/sites/default/files/publicati on/646156/adbi-pb2020-5.pdf https://nidm.gov.in/PDF/pubs/WGR NIDMandIII 2021.pdf https://cdri.world/upload/biennial/CH4.7-MI.pdf https://sdgfinance.undp.org/sites/default/files/2 025- 01/Inclusive%20insurance%20and%20risk%20fi nancing%20in%20India%20- %20Snapshot%20and%20way%20forward%202 024.pdf
1115 -1130	Tea Break				<u>om ripur</u>
1130- 1315 (45 minutes)	Session 30: Disaster Risk Governance	PPT & Group Discussion	Shri Rohit Kumar, Assistant Professor, NIDM	1. 2. 3. 4. 5. 6.	https://nidm.gov.in/PDF/pubs/WGR NIDMandIII 2021.pdf https://ndma.gov.in/sites/default/files/PDF/ndm p-2019.pdf https://cdri.world/upload/biennial/CH4.7-MI.pdf https://nidm.gov.in/PDF/Modules/TM Cyclone N IDM24.pdf https://nidm.gov.in/PDF/modules/irs-1.pdf https://www.sciencedirect.com/science/article/pi i/S2666449624000628
1315-1415	Lunch Break				

1415-1530 (75 minutes)	Session 31: Post Disaster Needs Assessment (PDNA)	PPT, Case Study & Group Discussion	Shri Rohit Kumar, Assistant Professor, NIDM	2. 3. 4. 5.	https://nidm.gov.in/PDF/pubs/pdna manual vol1 .pdf https://nidm.gov.in/PDF/pubs/pdna manual vol2 .pdf https://nidm.gov.in/PDF/pubs/handbook pdna.p df https://nidm.gov.in/PDF/pubs/sop pdna.pdf https://nidm.gov.in/PDF/pubs/sop pdna.pdf https://www.gfdrr.org/sites/default/files/2017- 09/PDNA-Volume-A.pdf https://www.worldbank.org/content/dam/World bank/document/SAR/nepal/PDNA%20Volume%2 0A%20Final.pdf https://www.undp.org/publications/post- disaster-needs-assessment-kerala
1530 -1545	Tea Break				
1545-1700	Session 32: Preparation of DM Plan- <i>Identify</i> urgent issues, needs and bottlenecks related to response & recovery issues		Shri Manjeet Singh; Shri Rohit Kumar, Shri Amarjeet Kumar		
1700- 1715 (15 minutes)	Summing- up	-	Shri Manjeet Singh, Assistant Professor, NIDM		
	day): 16.10.2025				
0930- 1000 (30 minutes)	Recapitulation by Assigned Group	-	NIDM	-	

1000-1115 (75 minutes)	Session 33: Basic First Aid and Evacuation techniques	Interactive Session	Dr. Fatima/ Dr. Harish NDRF	 Basic First Aid: https://ndma.gov.in/sites/default/files/PDF/Guid elines/medical-preparedness.pdf https://www.indianredcross.org/fmr/Module2.pd f https://msdma.gov.in/publications/Basic First Ai d Manual English.pdf https://nhm.assam.gov.in/sites/default/files/swf utility folder/departments/nhm lipl in oid 6/me nu/schemes/Facilitator%27s%20Guide%28140-246%29.pdf https://dgfscdhg.gov.in/mass-awareness-inenglish Evacuation Techniques:
				1. https://ndrf.gov.in/en/study-material https://nidm.gov.in/PDF/modules/village.pdf
1115-1130	Tea Break	1		1 ,, 3 , , , 3 1
1130-1300 (90 minutes)	Session 34: Incident Response System (IRS) and role of Emergency Support Functions (ESFs)	PPT/ Interaction Session & Group Discussion	Smt. Suman, NDRF	 https://ndma.gov.in/sites/default/files/PDF/Guid elines/incidentresponsesystemjuly.pdf https://nidm.gov.in/PDF/modules/irs-1.pdf https://nidm.gov.in/PDF/modules/irs-2.pdf https://nidm.gov.in/PDF/modules/irs-3.pdf https://nidm.gov.in/PDF/modules/irs-4.pdf https://nidm.gov.in/PDF/modules/irs-6.pdf https://nidm.gov.in/PDF/modules/irs-7.pdf https://nidm.gov.in/PDF/modules/irs-8.pdf

				9. https://nidm.gov.in/PDF/modules/irs-9.pdf7. https://nidm.gov.in/PDF/modules/irs-10.pdf
1300- 1400	Lunch Break			
1400-1530 (90 minutes)	Session 35: Drought Dynamics and Drought Management manual 2020	PPT & Group Discussion	Shri. Manjeet Singh, Assistant Professor, NIDM	 Guidelines: https://agriwelfare.gov.in/en/Drought Manual:https://agriwelfare.gov.in/Documents/U pdated%20D rought%20Manual_0.pdf https://www.droughtmanagement.info/literatur e/IDM P_NDMPG_en.pdf https://www.ceew.in/sites/default/files/CEEW- Preparing-India-for-extreme-climate- events_10Dec20.pdf District Level Risk Assessment: https://dst.gov.in/sites/default/files/User%20M anual_DistrictLevel%20Climate%20Risk%20Ass essment%20for%20India_Mapping%20Flood%2 Oand%20Drought%20Risks%20Using%20IPCC %20Framework.pdf
1530- 1545	Tea Break	l		
1545- 1630 (45 minutes)	Session 36: Dynamics of Heat wave, Cold Wave and Pest Attack in India	PPT & Group Discussion	Shri. Manjeet Singh, Assistant Professor, NIDM	 https://ppqs.gov.in/sites/default/files/continge ncy_plan_ 0.pdf https://www.unisdr.org/files/3702 guidelines4. pdf https://ndma.gov.in/sites/default/files/PDF/Guidelines/Guidelines-on-TSL-HSW.pdf

1730 Onwards	Cultural Evening	Audio-Visual	NIDM Team				
Day 12 (Friday	y): 17.10.2025						
0930- 1000 (30 minutes)	Recapitulation by Assigned Group	-	Shri Manjeet Singh; Shri Rohit Kumar, Shri Amarjeet Kumar				
1000- 1115 (75 minutes)	Session 36: Group Presentations by the participants	Group Work					
1115-1130	Tea Break						
1130-1300	Valedictory Session						
	Course Summing up –Shri. Manjeet Singh, AP						
	Remarks by – Col P S Reddy, JD NIDM						
	Special Address by – Dr D K Aswal, Member, NDMA						
	Vote of Thanks by—Shri. Amarjeet Kumar, AP						