

10th Comprehensive Course on DISASTER RISK MANAGEMENT

(Two Week Residential Course)

08 - 19 December 2025
NIDM, Vijayawada Campus



Venue: Near Addevinekalam, Opposite 10th BN NDRF

Organized by

NATIONAL INSTITUTE OF DISASTER MANAGEMENT
(Ministry of Home Affairs, Government of India)

Table of Contents

S. No.	Content	Page No.
1.	Introduction	3
2.	Need	5
3.	Aim of the course	5
4.	Learning Objectives of the course	5
5.	Target Group	6
6.	Methodology ● Blended Learning Approach ● Experiential and Participatory Learning ● Technology-Enabled Training ● Field Exposure and Demonstrations ● Evaluation and Feedback Mechanism	6
7.	Structure of the Training Module ● Module Zero: Orientation and Evaluation Framework ● Module 1: Basics of Disaster Management and Climate Change ● Module 2: Global Policies and Institutional Framework ● Module 3: Risk Assessment and Role of Technology ● Module 4: Understanding Disaster Mitigation ● Module 5: Understanding Disaster Preparedness and Response ● Module 6: Disaster Recovery and Reconstruction ● Module 7: Risk Financing and Insurance	7
8.	Cultural Evening	10
9.	Expected Outcomes	10
10.	Conclusion	10
11.	Organizing Team	11
12.	Registration Process	11
13.	Boarding and Lodging	11
14.	Course Schedule	12

Concept Note on

10th Comprehensive Course on Disaster Risk Management

Date: 08th December- 19th December, 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 disaster- resilient 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
Floods	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).
Cyclones	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, <i>though recent cyclones have lower death tolls</i> (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.
Earthquakes	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.

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

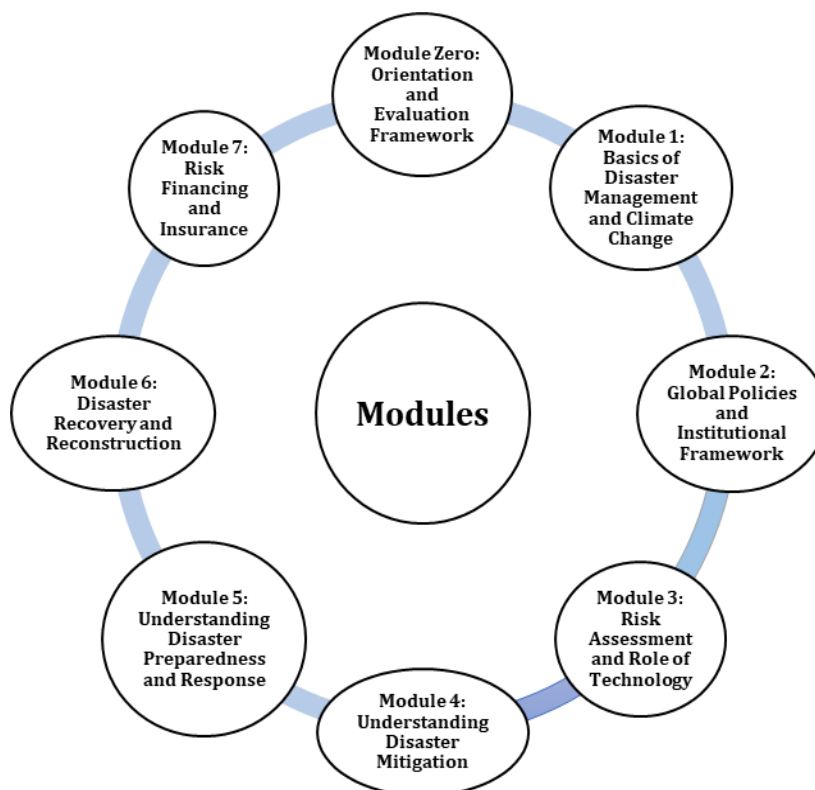
d) Field Exposure and Demonstrations

- **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: Orientation and Evaluation Framework	The module Zero serves as the foundational layer of the two-week training programme. It sets the tone for the course, ensures structured feedback mechanisms, and enables outcome-based 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 of Disaster Management and Climate Change	This module introduces key concepts of disaster management, focusing on both natural (floods, earthquakes, cyclones) and human-induced (industrial accidents, fires) hazards. It highlights the increasing frequency of extreme events in India due to climate 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 Policies and Institutional Framework	This module covers international and national frameworks guiding disaster risk reduction. Participants will be introduced to the Sendai Framework for Disaster Risk Reduction, Sustainable Development 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, SDMA, and DDMA. 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 risk-informed, 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 5: 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 situations. The participants will learn about emergency 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:

- **Online Pre-registration:** The participants/ concerned organizations may fill up the Google Form via this weblink: <https://forms.gle/tkBMZYmZCLM1r6Z27> 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 of the programme (08 December 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 Coordinators	Shri Amarjeet Kumar Assistant Professor, NIDM (amarjeet.nidm@nic.in)
Co- Course Coordinators	1. Shri Manjeet Singh, Assistant Professor, NIDM (manjeetsingh.nidm@nidm.gov.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

10th Comprehensive Course on Disaster Risk Management at NIDM Vijayawada, 08 - 19 December 2025

Tentative - Course Schedule

0900 - 0945	Registration	To be managed by organizing team, NIDM
Inauguration (Monday): 08.12.2025		
0945- 0950	Introduction and Context Setting	Mr. Pradeep Goud, NIDM
0950 - 1000	Welcome Address	Shri Rohit Kumar, NIDM
1000-1005	About the Course	Shri Amarjeet Kumar, NIDM
1005 - 1015	Inaugural Address	Dr. Sreedhara Panicker Somanath, Honorary Advisor for Space Technology, AP (TBC)
1015-1035	Special Address	Col. P S Reddy, Joint Director, NIDM
1035 - 1030	Vote of Thanks	Shri Manjeet Singh, NIDM
1030 - 1100	Group Photo and Tea Break	

Time	Sessions	Andragogy	Faculty/ Institution	Suggested Reading Links
Day 1 (Monday): 08.12.2025				
1115- 1145 (30 minutes)	Session 1: Participants Introduction, Pre-course evaluation & Expectations of the Course	Discussion and PPT	Shri Amarjeet Kumar Assistant Professor NIDM	

1145- 1230 (45 minutes)	Session 2: Basic Concepts & Terminologies in Disaster Management	Discussion and PPT	Shri Amarjeet Kumar Assistant Professor NIDM	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/HandbookNodalOfficer.pdf https://www.undrr.org/drr-glossary/terminology https://www.preventionweb.net/files/26081_kp1conceptdisasterri sk1.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
1230- 1315 (45 minutes)	Session 3: Overview of Prevailing Disasters, Extreme Events, and Climate Change Events in India	PPT & Group Discussion	Resource Person, IMD, Vijayawada	https://bmtpc.org/topics.aspx?mid=56&Mid1=180 https://ndma.gov.in/sites/default/files/PDF/ndmp-2019.pdf https://nidm.gov.in/journal/PDF/Journal/1Dec2012/1Dec2012e.pdf https://www.un.org/sites/un2.un.org/files/unsg_call_to_action_on_extreme_heat_for_release.pdf https://www.ipcc.ch/report/ar6/wg2/
1315- 1415	Lunch Break			
1415- 1515 (60 minutes)	Session 4: Vulnerability Profile of India		Shri Manjeet Singh Asst. Professor NIDM	https://nidm.gov.in/PDF/IEC/DOS_B24.pdf https://bmtpc.org/DataFiles/CMS/file/VAI2019/background.pdf
1515- 1530	Tea Break			

1530- 1645 (75 minutes)	Session 5: State-wise Vulnerability Profile: Mapping of hazards: Participants presentations	Group Activity	Shri Amarjeet Kumar Assistant Professor NIDM	1. https://nidm.gov.in/PDF/Disaster_about.pdf 2. https://www.mha.gov.in/sites/default/files/NPDM-101209.pdf 3. https://ndma.gov.in/sites/default/files/PDF/LBS_NAA/JSPP_NDMA.pdf 4. https://ndma.gov.in/sites/default/files/PDF/pocketbook-do-dont.pdf 5. https://nidm.gov.in/PDF/IEC/DOS_E_24.pdf 6. https://nidm.gov.in/PDF/IEC/awareness.pdf
1645- 1700 (15 minutes)	Summing- up	-		
Day 2: (Tuesday): 09.12.2025				
0930- 1000 (30 minutes)	Recapitulation by Assigned Group	-	Shri Amarjeet Kumar Asst. Professor NIDM	-
1000- 1115 (75 minutes)	Session 6: Understanding of Disaster Management and its Cycle	PPT & Group Discussion	Shri Amarjeet Kumar Asst. Professor NIDM	1. https://ndma.gov.in/sites/default/files/PDF/ndm_p-2019.pdf 2. https://ndmindia.mha.gov.in/ndmi/viewUploadedDocument?uid=NEW732https://nidm.gov.in/PDF/Disaster_about.pdf 3. https://egyankosh.ac.in/bitstream/123456789/25910/1/Unit-2.pdf 4. https://cbseacademic.nic.in/web_material/publication/archive/natural%20hazards%20&%20disaster%20management.pdf
1115- 1130	Tea Break			
1130- 1245 (75 minutes)	Session 7: Global and National Disaster Risk Reduction Frameworks	PPT & Group Discussion	Shri Rohit Kumar, Asst. Professor, NIDM	1. https://www.undrr.org/publication/sendai-framework-disaster-risk-reduction-2015-2030 2. https://www.unicef.org/disaster-risk-reduction-and-recovery 3. https://unstats.un.org/sdgs/indicators/Global%20Indicator%20Framework%20after%20refinement_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/publication_reports/SDG-NIF-ProgressReport-FullFile-v4N.pdf https://www.niti.gov.in/sites/default/files/2024-10/SDG_India_Index_2023-24.pdf
1245- 1300 (15 minutes)	Awareness Activity 1- Short Films: <i>After Shock by SRM University;</i> <i>Stay back by Mizoram University</i>	Audio- Visual	Shri Manjeet Singh Asst. Professor NIDM	https://youtu.be/tM0Yq120ZyA?si=y_4rjjysHyISddES https://youtu.be/f-cOHixfGNU?si=OjwWPu52icCc758b
1300- 1400	Lunch Break			
1400- 1515 (75 minutes)	Session 8: Legal and Institutional Frameworks of Disaster Management in India	PPT & Group Discussion	Shri Rohit Kumar, Asst. Professor, NIDM	https://ndma.gov.in/national-dm-policy https://ndmindia.mha.gov.in/ndmi/images/262126.pdf https://ndmindia.mha.gov.in/ndmi/images/262343.pdf https://ndmindia.mha.gov.in/ndmi/viewUploadedDocument?uid=NEW732 https://ndma.gov.in/Reference_Material/PM_Ten_Agenda https://nidm.gov.in/pdf/pubs/hpc_report.pdf
1515- 1530	Tea Break			
1530- 1645 (75 minutes)	Session 9: Community Based Disaster Risk management	PPT & Group Discussion	Shri Amarjeet Kumar Asst. Professor NIDM	https://nidm.gov.in/journal/PDF/Journal/NIDMJOURNAL_JanJun2024/NIDMJOURNAL_JanJun20243.pdf nidm.gov.in/PDF/Modules/ToTModule_CBDRM2025.pdf

1645- 1700 (15 minutes)	Summing-up	-	Shri Amarjeet Kumar Asst. Professor NIDM	
Day 3 (Wednesday): 10.12.2025				
0930- 1000 (30 minutes)	Recapitulation by Assigned Group		Shri Amarjeet Kumar Asst. Professor NIDM	
1000- 1115 (75 minutes)	Session 10: Components of Disaster Management Plan (Village, City and District)	PPT & Group Discussion	Shri Rohit Kumar, Asst. Professor, NIDM	1. DM Plan Templates NDMA, GoI 2. https://ndma.gov.in/sites/default/files/PDF/NDMA%20DDMP%20Framework.pdf 3. https://ndma.gov.in/sites/default/files/PDF/NDMA%20DDMP%20Explanatory%20Notes.pdf 4. https://igr.assam.gov.in/sites/default/files/Village_Disaster_Management_Plan_Kokrajhar_0.pdf
1115- 1130	Tea Break			
1130- 1300 (90 minutes)	Session 11: Hazard Risk Vulnerability Capacity Assessment: Tools and techniques	PPT & Group discussion	Shri Manjeet Singh Asst. Professor NIDM	1. https://ndma.gov.in/sites/default/files/PDF/ndmp-2019.pdf 2. https://nidm.gov.in/PDF/Modules/Handbook%20Labour_NIDM24.pdf 3. https://ndma.gov.in/sites/default/files/PDF/Guidelines_for_Preparation_of_DMP_for_Ministry-Departments_of_Govt._of_India.pdf 4. https://nidm.gov.in/PDF/Modules/Handbook%20Labour_NIDM24.pdf 5. https://nidm.gov.in/PDF/guidelines/sdmp.pdf 6. https://nidm.gov.in/PDF/modules/village.pdf
1300- 1400	Lunch Break			

1400-1515 (75 minutes)	Session 12: HRVCA: Group Exercise (Seasonal calendar, Transect Walk)	Group Exercise and activity	Shri Amarjeet Kumar Assistant 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 DistrictLevel%20Climate%20Risk%20Assessment%20for%20India Mapping%20Flood%20and%20Drought%20Risks%20Using%20IPCC%20Framework.pdf https://nidm.gov.in/PDF/modules/geo.pdf
1515- 1530	Tea Break			
1530- 1645 (75 minutes)	Session 13: Sectoral Impact of Disasters & Group activity	PPT & Group Discussion	Shri Manjeet Singh Asst. Professor NIDM	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%20Record%20Flood_2025.pdf https://ndma.gov.in/sites/default/files/PDF/Guidelines/flood.pdf https://www.preventionweb.net/files/51114_capramethodsinfloodhazardandriskass.pdf
1645- 1700 (15 minutes)	Summing- up	-	Shri Amarjeet Kumar Asst. Professor NIDM	-
Day 4 (Thursday): 11.12.2025				
0930- 1000 (30 minutes)	Debriefing Session	-	Shri Amarjeet Kumar, Asst. Professor, NIDM	

1000- 1100 (60 minutes)	Session 14: Understanding Floods with Special emphasis on Urban Flooding- Causes and Mitigation Strategies	PPT & Group Discussion	Shri Amarjeet Kumar, Asst. Professor, NIDM	1. https://ndma.gov.in/sites/default/files/PDF/Guidelines/management urban flooding.pdf 2. https://mohua.gov.in/upload/uploadfiles/files/SOP%20Urban%20flooding 5%20May%202017.pdf 3. https://documents1.worldbank.org/curated/en/099080123151036528/pdf/P1744620efe1180a20bc1b0ce287e74ff91.pdf 4. https://nidm.gov.in/PDF/pubs/KeralaFlood_18.pdf 5. https://nidm.gov.in/PDF/modules/flood3.pdf
1100- 1115	Tea Break			
1115- 1230 (75 minutes)	Session 15: Flood Risk Assessment – Tools and Techniques	PPT, & Group Discussion	Smt. Reena, Executive Engineer Central Design Organization, Water Resource Department Vijayawada	1. https://bhuvan.nrsc.gov.in/home/index.php 2. https://www.preventionweb.net/news/land and-geospatial-information-cornerstone improve-community-resilience 3. https://www.preventionweb.net/news/copernicus- eye-sky-brings-disaster-management-whole new- level 4. https://www.preventionweb.net/publication/solid-ground-increasing-community-resilience through- improved-land-administration-and 5. https://appliedsciences.nasa.gov/get involved/training/english/arset-disaster- assessment-using-synthetic-aperture-radar
1230- 1300 (30 minutes)	Awareness Activity 2: Quiz on Floods Risk Assessment	Interactive Session	Shri Amarjeet Kumar Assistant Professor NIDM	
1300- 1400	Lunch Break			

1400- 1515 (75 minutes)	Session 16: Landslide & DRR: Wayanad Case Study discussion	PPT and Group discussion	Dr. Arkaprabha Sarkar, Assistant Professor, NIDM	1. https://nidm.gov.in/PDF/pubs/Landslide Preparednes s Guide .pdf 2. https://www.pib.gov.in/pressreleasepage.aspx?prid=1 777174 3. https://nhess.copernicus.org/articles/special_issue896.htm l 4. https://geoenvironmentaldisasters.springeropen.com/articl es/10.1186/s40677-022-00220-7 5. https://www.preventionweb.net/media/75592/downl o ad?startDownload=20250707 6. https://www.sciencedirect.com/science/article/pii/S 0 012825219304635 7. https://link.springer.com/article/10.1007/s10346- 024- 02385-8 8. https://www.mdpi.com/2073-4441/12/4/1000 9. https://ndma.gov.in/sites/default/files/PDF/Guidelin e s/Simplified Guidelines for earthquake.pdf 10. https://ndma.gov.in/sites/default/files/PDF/Guidelin e s/retrofitting-guidelines.pdf 11. https://nidm.gov.in/PDF/pubs/Risk%20to%20Resilien ce.pdf
1515- 1530	Tea Break			
1530-1645 (75 minutes)	Session 17: Understanding Earthquake DRR, and Tsunami DRR	PPT and Group discussion	Dr. Arkaprabha Sarkar, Assistant Professor, NIDM	1. https://www.weforum.org/stories/2024/02/japans- noto- peninsula-earthquake-can-provide-lessons- for- global- disaster-preparedness/ 2. https://www.preventionweb.net/news/researchers- unveil-mechanisms-local-amplification-2024- tsunamis- iida-bay-japan 3. https://www.unisdr.org/2006/ppew/tsunami/what-is- tsunami/backinfor-tsunami-ws.htm 4. https://www.unisdr.org/2006/ppew/tsunami/what- is- tsunami/backinfor-brief.htm 5. https://www.undrr.org/understanding- disaster- risk/terminology/hips/mh0029 6. https://tsunami.incois.gov.in/TEWS/tewsindex.jsp

1645- 1700 (15 minutes)	Summing Up	-	Shri Amarjeet Kumar Asst. Professor NIDM	
Day 5 (Friday) 12.12.2025				
0930- 1000 (30 minutes)	Recapitulation by Assigned Group	-	Shri Amarjeet Kumar Asst. Professor NIDM	-
1000- 1115 (75 minutes)	Session 18 Analysis and Dissemination of Early Warnings (45 Mins)	PPT & Group Discussion	Shri Manjeet Singh Asst. Professor NIDM	1. https://sachet.ndma.gov.in/OnclickNotification/13522-AAA 2. https://idrn.nidm.gov.in/About/Index 3. https://ndma.gov.in/sites/default/files/PDF/Guidelines-of-IDRN.pdf 4. https://ndmindia.mha.gov.in/ndmi/ndmis
	Demo 1- NDEM Portal by NRSC -10 mins			
	Demo 2- IDRN online platforms and other portals managed by NIDM- 10 mins			
	Demo 3- Use of Sachet App and Common Alert Protocol (CAP)- 10 mins			
1115- 1130	Tea Break			
1130- 1215 (45 minutes)	Session 19: CBRN disasters – Focus on Radiological and Biological hazards	PPT and Group Discussion	NDMA (TBC)	1. https://safetieducations.com/radiological-hazards/ 2. https://ndma.gov.in/Man-made-Hazards/Nuclear 3. https://hcikl.gov.in/pdf/menu/NUCLEAR_SECURITY_IN_IN_DIA.pdf 4. https://ndma.gov.in/sites/default/files/PDF/Guidelines/managementofnuclearradiologicalemergencies.pdf

1215- 1315 (60 minutes)	Session 20: Chemical and Industrial Hazards: Risk Management and Resilience Strategies	Interactive Lecture and Discussion	Dr. OB Krishna, Hyderabad	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- 1400	Lunch Break			
1400- 1515 (75 minutes)	Session 21: Heatwaves and Drought Management in India	PPT/ Interaction Session & Group Discussion	Shri S.N. Sidh Assistant Professor NIDM	- Guidelines: https://agriwelfare.gov.in/en/DroughtManual:https://agriwelfare.gov.in/Documents/Updated%20Drought%20Manual_0.pdf https://www.droughtmanagement.info/literature/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%20Manual_DistrictLevel%20Climate%20Risk%20Assessment%20for%20India_Mapping%20Flood%20and%20Drought%20Risks%20Using%20IPCC%20Framework.pdf
1515- 1530	Tea Break			
1530- 1645 (75 minutes)	Session 22: Public Health Resilience and DRR	PPT & Group Discussion/ Activity	Shri S.N. Sidh Assistant Professor NIDM	https://nidm.gov.in/PDF/Modules/Book_Participating.pdf https://ndma.gov.in/sites/default/files/PDF/Guidelines/Guidelines_Mental_Health_Psychosocial_Support_Dec23.pdf https://nidm.gov.in/PDF/pubs/NDMA/18.pdf https://mohfw.gov.in/sites/default/files/Framework%20for%20Establishing%20and%20Operationalizing%20State%20level%20Health%20Emergency%20Operations%20Centres%20%28HEOC%20

				9%20-%20A%20Guidance%20Document 0.pdf 5. https://ncdc.mohfw.gov.in/wp-content/uploads/2024/08/PUBLIC-HEALTH-GUIDELINES-FOR-FLOOD-EVENT.pdf 6. https://stacks.cdc.gov/view/cdc/12010
1645-1700 (15 minutes)	Briefing for the field visit and Summing-up		Course Coordinators	
Day 6: Exposure Visit to NDRF (Saturday): 13.12.2025				
0930	Assembly at NIDM	Field visit	Facilitated by course coordinators and team	1. https://www.ndrf.gov.in/en/study-material 2. https://dea.gov.in/sites/default/files/Guidelines%20for%20National%20Disaster%20Response%20Fund%20%28NDRF%29.pdf 3. https://ndrf.gov.in/sites/default/files/CAPACITY%20BUILD.pdf
0945-1000 (15 minutes)	Transit to NDRF 10 th Battalion, Kondapavaluru			
1000- 1300	Session 23: Role of NDRF (Search and Rescue techniques, coordination mechanism and Relief)		Commandant/ Assistant Commandant, 10BN NDRF	
1300- 1400	Lunch Break			
1400- 1500 (60 minutes)	Session 24: Equipment display	Field visit	Facilitated by NDRF team	
1500- 1515	Tea Break			
1515	Return to the campus			
Day 7 (Sunday): 14.12.2025				
Day 8 (Monday) 15.12.2025				
0930- 1000 (30 minutes)	Debriefing Session	-	Shri Amarjeet Kumar, Asst. Professor, NIDM	-

1000- 1100 (60 minutes)	Session 25: Disaster Preparedness and Emergency Operation Centre	PPT & Group Discussion	Shri Shekher Chaturvedi Assistant Professor, NIDM	1. https://nidm.gov.in/PDF/pubs/NDRP.pdf 2. https://ndma.gov.in/sites/default/files/PDF/Guidelines/HADR_Guideline_Oct_2024.pdf 3. https://nidm.gov.in/PDF/guidelines/sdmp.pdf 4. https://nidm.gov.in/PDF/Modules/NIDM_CDM2021.pdf 5. https://nidm.gov.in/PDF/Modules/NIDM_SBCC2021.pdf 6. https://www.nrsc.gov.in/sites/default/files/pdf/RD_Activities/Applications/14.pdf 7. https://www.nidm.gov.in/pdf/guidelines/new/ndmandmicguidelines.pdf 6. https://www.preventionweb.net/files/52828_apubliccommunication[1].pdf
1100- 1115	Tea Break			
1115- 1200 (45 minutes)	Session 26: Stampede and Crowd Management	PPT & Group Discussion	Shri Shekher Chaturvedi Assistant Professor, NIDM	1. https://www.iimb.ac.in/sites/default/files/2025-06/hard-lessons-behind-India-deadly-stampedes.pdf 2. https://www.mcrhrdi.gov.in/itpbatch2/week2/PILGRIM%20STAMPEDES%20AND%20CROWD%20CONTROL.pdf 3. Lessons Learned on Stampede Prevention What Can SDMAs of India Do 4. https://ndma.gov.in/sites/default/files/PDF/Reports/managingcrowdsguide.pdf 5. org-1476680801 org-1436865040 Crowd Management & Public Safety in India- A New Policy Initiative.pdf
1200- 1300 (60 minutes)	Session 27: Incident Response System: Overview & Implementation	PPT & Group Discussion	Shri Shekher Chaturvedi, Assistant Professor, NIDM	1. https://ndma.gov.in/sites/default/files/PDF/Guidelines/incident-response-system.pdf 2. https://www.preventionweb.net/publication/emergency-response-preparedness-erp-approach 3. https://www.usaid.gov/sites/default/files/documents/1866/fog_v4_0.pdf
1300- 1400	Lunch Break			

1400-1530 (90 minutes)	Session 28: Table-top Exercises-Holistic Approach to DM	Group Activity & Role Play	Shri Shekher Chaturvedi, Assistant Professor, NIDM	
1530- 1545	Tea Break			
1545- 1615 (30 minutes)	Session 29: Fire Risk Mitigation	PPT/ Live	Chief Fire Officer, Vijayawada, AP Fire Services.	1. https://ndma.gov.in/Resources/awareness/fire-safety 2. https://www.aerb.gov.in/images/PDF/fire.pdf 3. https://bharatskills.gov.in/pdf/QP_Curriculum/CT_SFireman_CTS_NSQF-3.pdf 4. https://www.ntiprit.gov.in/pdf/infrastructuremanagement/Fire_safety.pdf 5. https://mohua.gov.in/upload/uploadfiles/files/Chap-7.pdf
1615- 1730 (75 Minutes)	Demo 4- Fire-fighting techniques	Demonstration / Interaction	AP Fire Services	
Day 9: Field Visit- 16.12.2025				
0845	Assembly at NIDM	Field visit	Course Coordinator team	1. https://mausam.imd.gov.in/ 2. https://seismo.gov.in/
0930- 1100	Transit to Field			
1100- 1500	Field Visit to Cyclone affected coastal Village – Machilipatnam			
1600-1730	Preparation of DM Plan- <i>Identify urgent issues, needs and bottlenecks related to response & recovery issues</i>	Group Work	Shri Amarjeet Kumar, Shri Manjeet Singh, Shri Rohit Kumar	
Day 10 (Wednesday): 17.12.2025				
0930- 1000 (30 minutes)	Debriefing Session	-	Shri Amarjeet Kumar, Asst. Professor, NIDM	-

1000- 1115 (75 minutes)	Session 30: Cyclone Risk Mitigation- Case Studies (Response to Early Warnings)	PPT & Group Discussion	Shri Amarjeet Kumar, Asst. Professor, NIDM	1. https://nidm.gov.in/PDF/pubs/CYCLONE_BIPARI_OY_NIDM24.pdf 2. https://nidm.gov.in/PDF/pubs/FloodRM_NIDM2022.pdf 3. https://ndma.gov.in/sites/default/files/PDF/cyclone/cyclones.pdf 4. https://ndma.gov.in/sites/default/files/PDF/Floods/flood.pdf 5. https://ndma.gov.in/sites/default/files/PDF/Guidelines/cyclones.pdf
1115 -1130	Tea Break			
1130- 1300 (90 minutes)	Session 31: Basic First Aid and Evacuation techniques	PPT & Group Discussion	Dr. Sukumar, GDMO, NDRF	Basic First Aid: 1. https://ndma.gov.in/sites/default/files/PDF/Guidelines/medical-preparedness.pdf 2. https://www.indianredcross.org/fmr/Module2.pdf 3. https://msdma.gov.in/publications/Basic_First_Aid_Manual_English.pdf 4. https://nhm.assam.gov.in/sites/default/files/swf_utility_folder/departments/nhm_lipl_in_oid_6/menu/schemes/Facilitator%27s%20Guide%28140-246%29.pdf 5. https://dgfscdhg.gov.in/mass-awareness-in-english Evacuation Techniques: 1. https://ndrf.gov.in/en/study-material 2. https://nidm.gov.in/PDF/modules/village.pdf
1300- 1400	Lunch Break			

1400-1530 (90 minutes)	Session 32: Inclusive DRR: Leaving no one behind & Psychosocial first aid for disaster survivors	PPT, Group Activity & Role Play	Shri Rohit Kumar, Assistant Professor, NIDM	1. https://nidm.gov.in/PDF/modules/psychosocial.pdf 2. https://ndma.gov.in/sites/default/files/PDF/Guidelines/Guidelines Mental Health Psychosocial Support Dec23.pdf 3. https://www.nimhans.ac.in/departments/psychosocial-support-in-disaster-management 4. https://egyankosh.ac.in/bitstream/123456789/58972/1/Unit4.pdf 5. https://www.who.int/news-room/fact-sheets/detail/mental-health-in-emergencies 6. https://www.cdpp.co.in/articles/gendered-justice-in-disaster-relief-legal-gaps-in-protecting-women farmers from-climate-induced-displacement 7. https://www.downtoearth.org.in/climate-change/gender-disaggregated-data-needed-to-formulate-robust-policies-on-climate-induced-disasters-experts
1530 -1545	Tea Break			
1545-1700 (75 minutes)	Session 33: Communication in Emergency situations & Role of Media	PPT & Group Discussion	Shri Amarjeet Kumar, Assistant Professor, NIDM	1. https://nidm.gov.in/pdf/ncrmp/Deliverable%2014-2.pdf 2. https://www.adpc.net/igo/category/ID1021/doc/2016-pt37Na-ADPC- 3. Information Kit for Media Lao PDR.pdf 4. https://www.unesco.org/en/articles/media-face-disasters 5. https://www.unisdr.org/files/20108 mediabook.pdf
1700- 1715 (15 minutes)	Summing- up	-	Shri Amarjeet Kumar, Assistant Professor, NIDM	
Day 11 (Thursday): 18.12.2025				
0930- 1000 (30 minutes)	Recapitulation by Assigned Group	-	NIDM	-

1000- 1115 (75 minutes)	Session 34: Disaster Risk Finance	PPT & Group Discussion	Dr. Perna Joshi, Assistant Professor, NIDM	https://www.undrr.org/gar/gar2025 https://www.adb.org/sites/default/files/publication/646156/adbi-pb2020-5.pdf https://nidm.gov.in/PDF/pubs/WGR_NIDMandIII_2021.pdf https://cdri.world/upload/biennial/CH4.7-MI.pdf
1115- 1130	Tea Break			
1130- 1300 (90 minutes)	Session 35: Nature Based Solutions: a tool for Mitigation (All Hazards)	PPT and Group discussion	Dr. Perna Joshi, Assistant Professor, NIDM	https://www.unep.org/resources/report/nature-based-solutions-climate https://www.iucn.org/theme/nature-based-solutions/resources/iucn-global-standard-nbs https://www.teriin.org/article/nature-based-solutions-climate-resilience-india https://www.worldbank.org/en/news/feature/2021/06/04/nature-offers-solutions-to-climate-risks-boosts-coastal-livelihoods-in-india https://www.worldbank.org/en/news/feature/2022/12/12/cities-look-to-nature-for-climate-solutions
1300- 1400	Lunch Break			
1400- 1530 (90 minutes)	Session 36: Post Disaster Needs Assessment (PDNA)	PPT, Case Study & Group Discussion	Shri Rohit Kumar, Assistant Professor, NIDM	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.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.undp.org/publications/post-disaster-needs-assessment-kerala
1530- 1545	Tea Break			

1545- 1630 (45 minutes)	Session 37: Recovery Planning & Build Back Better (BBB)	PPT & Case Study	Shri Rohit Kumar, Assistant Professor, NIDM	https://www.unisdr.org/files/53213_bbb.pdf Disaster Recovery Guidance Series- Building Back Better in Post-Disaster Recovery.pdf Michal Lyons, Theo Schilderman, Camillo Boano editors. Building back better. Delivering people-centered housing reconstruction at scale. Practical Action Publishing: Rugby; 2010.
----------------------------	--	------------------	---	--

Day 12 (Friday): 19.10.2025				
1000- 1115 (75 minutes)	Session 38 Group presentation for prepared DM Plan of Cyclone Affected Area.	-	Shri Amarjeet Kumar; Shri Rohit Kumar, Shri Manjeet Singh	
1115- 1130	Tea Break			
1100- 1230 (75 minutes)	Session 39 Group presentation for prepared DM Plan of Cyclone Affected Area.	-	Shri Amarjeet Kumar; Shri Rohit Kumar, Shri Manjeet Singh	
1130-1300	Valedictory Session			
	Course Summing up –Shri. Amarjeet Kumar, AP Remarks by – Col P S Reddy, JD NIDM Special Address by –Shri Safi Ahsan Rizvi, NDMA (TBC) Vote of Thanks by—Shri. Rohit Kumar, AP			

