



ज्ञान-विज्ञान विमुक्तये

आचार्य मनिष र. जोशी
सचिव

Prof. Manish R. Joshi
Secretary



सत्यमेव जयते



विश्वविद्यालय अनुदान आयोग
University Grants Commission
(शिक्षा मंत्रालय, भारत सरकार)
(Ministry of Education, Govt. of India)

D.O.No. 15-19/2025(CPP-II)(C.161224)

9 माघ, 1947/ 29th January, 2026

Subject: Implementation of Disaster Management Initiatives-reg.

आदरणीय महोदय/महोदय,

Kindly refer the communication received from the Executive Director, National Institute of Disaster Management (NIDM), Ministry of Home Affairs (copy enclosed) regarding integration of Disaster Risk Reduction (DRR) through a 2-credit Skill Enhancement Course and establishment of DRR Clubs at the undergraduate level across India.

It is informed that the NIDM has developed a structured Model Curriculum for the Skill Enhancement Course on Disaster Risk Reduction and Management, aligned with the National Education Policy (NEP) 2020 (copy enclosed). All Higher Education Institutions (HEIs) may consider it for implementation, as appropriate, from the Academic Year 2026–27.

Further, NIDM has also prepared Suggestive Guidelines for Establishing DRR Clubs in undergraduate colleges to promote behavioural change and enhance resilience among youth (copy enclosed). HEIs are also requested to take necessary steps for the establishment of Disaster Risk Reduction (DRR) Clubs.

The institutions may submit the status/progress regarding the establishment of DRR Clubs through the following link: <https://forms.gle/AhaLLJ8vrFEKAzDr5>

सादर,

भवदीय,

(मनिष जोशी)

संलग्नक: उपरोक्तानुसार

सेवा में,

सभी विश्वविद्यालयों के कुलपति।

सभी महाविद्यालयों के प्राचार्य।



मधुप व्यास, भा. प्र. से.
कार्यकारी निदेशक
Madhup Vyas, IAS
Executive Director

राष्ट्रीय आपदा प्रबंधन संस्थान
National Institute of Disaster Management
(गृह मंत्रालय, भारत सरकार)
Ministry of Home Affairs, Govt. of India
प्लॉट नं. 15, ब्लॉक बी, पॉकेट 3,
सेक्टर 29, रोहिणी, दिल्ली - 110042
Plot No. 15, Block B, Pocket 3,
Sector 29, Rohini, Delhi-110042

NIDM/IUINDRR/WORKALLOCATION/449/2024-25
December 16, 2025

Dear Sir,

I would like to express my sincere gratitude to the University Grants Commission (UGC) for its initiative regarding integration of Disaster Risk Reduction (DRR) through a 2-credit Skill Enhancement Course and establishment of DRR Clubs at the undergraduate level across India.

2. In support of these initiatives, the National Institute of Disaster Management (NIDM) has developed a structured *Model Curriculum for the Skill Enhancement Course on Disaster Risk Reduction and Management*, aligned with the National Education Policy (NEP) 2020. I kindly request UGC to consider the enclosed curriculum for wider circulation and adoption across Higher Education Institutions (HEIs), with a view to its implementation from the Academic Year 2026-27.

3. Further, NIDM has also prepared *Suggestive Guidelines for Establishing DRR Clubs* in undergraduate colleges to promote behavioural change and enhance resilience among youth. We request UGC to kindly circulate these guidelines and issue a notification for submission of the status/progress of DRR Club establishment through the following link: <https://forms.gle/AHaLLJ8vrFEKAzDr5> as per UGC earlier notification. The documentation and compilation of this information will greatly support progress assessment and guide future joint interventions towards building a safer nation.

4. I thank you once again for your cooperation and support in advancing the Hon'ble Prime Minister's vision.

With regards,

Yours sincerely,

(Madhup Vyas)

Dr. Vineet Joshi
Chairperson
University Grants Commission (UGC)
Bahadur Shah Zafar Marg, New Delhi - 110002

Encl.: As above

Copy to: **Prof. Manish R. Joshi**, Secretary, University Grants Commission (UGC),
Bahadur Shah Zafar Marg, New Delhi - 110002

आपदा प्रबंधन महाविचार: पूरा भारत भागीदार

Model Curriculum on Disaster Risk Reduction and Management (Skill Enhancement Course, NEP, 2020)

Disaster Risk Reduction and Management:
Skills for Safety and Resilience

2025

Model Curriculum on Disaster Risk Reduction and Management (Skill Enhancement Course, NEP, 2020)

**Disaster Risk Reduction and Management:
Skills for Safety and Resilience**

2025



Resilient India - Disaster free India

मधुप व्यास, भा.प्र.से.

कार्यकारी निदेशक

Madhup Vyas, IAS

Executive Director



राष्ट्रीय आपदा प्रबंधन संस्थान
National Institute of Disaster Management
(गृह मंत्रालय, भारत सरकार)

Ministry of Home Affairs, Govt. of India

प्लॉट नं 15, ब्लॉक बी, पॉकेट 3,

सेक्टर 29 रोहिणी, दिल्ली – 110042

Plot No. 15, Block B, Pocket 3,

Sector 29, Rohini, New Delhi 110042

Foreword

Education plays a foundational role in equipping individuals and communities with knowledge, skills and attitudes required to prepare for, respond to and recover from disasters. In view of the increasing exposure of societies to both natural and human-induced hazards, strengthening the disaster resilience of youth through education has become a national priority. India, as a signatory to the Sendai Framework for Disaster Risk Reduction (2015–2030), is committed to reduce disaster risks and align its efforts with global and national development goals.

Building the capacities of students at an early stage is crucial for fostering a generation of responsible citizens who can anticipate, respond to and recover from disasters. Recognizing this, the University Grants Commission (UGC) has encouraged higher education institutions to introduce courses and activities related to Disaster Risk Reduction (DRR). In response to this national priority, the National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India, in consultation with experts from academia, SDMA, National and International organizations, has developed a Model Curriculum for a Two-Credit Skill Enhancement Course on Disaster Risk Reduction and Management for undergraduate students across all disciplines. This initiative is aligned with the National Education Policy (NEP) 2020, which emphasizes interdisciplinary learning, community engagement and practical skill development.

The Model Curriculum integrates theoretical and applied components across four units designed to strengthen conceptual understanding, build life-saving and preparedness skills, and promote community engagement. It includes 15 hours of teaching in lecture mode and 30 hours practical/field based learning, in accordance with NEP 2020, and is adaptable to diverse regional and institutional contexts. The curriculum encompasses key themes, including understanding disaster risk, preparedness and mitigation, fire safety, first aid, weather forecasting and the application of indigenous and community-based knowledge, with a strong emphasis on inclusivity and the use of authentic, government-endorsed resources.

This curriculum represents a collective national effort to balance conceptual depth with accessibility, ensuring that the course remains practical, engaging and relevant to all fields of study. It is envisaged that this initiative will nurture a cadre of informed and skilled young citizens who will contribute to build safer communities and a resilient nation.

The National Institute of Disaster Management is hopeful that this Model Curriculum on Disaster Risk Reduction and Management will serve as a guiding framework for higher education institutions to integrate DRR into undergraduate education meaningfully and to further enhance India's progress towards the objectives of the Sendai Framework and the Sustainable Development Goals.


(Madhup Vyas)

आपदा प्रबंधन महाविचार: पूरा भारत भागीदार

Acknowledgements

The National Institute of Disaster Management (NIDM) conveys its sincere gratitude to the **Ministry of Home Affairs, Government of India**, for providing an enabling platform to promote collaboration and knowledge exchange among academia and institutions engaged through the **India Universities and Institutions Network for Disaster Risk Reduction (IUINDRR–NIDM)**.

Special thanks is extended to the **Sh. Sanjay Kumar**, Secretary & **Sh. Syed Ekram Rizwi**, Joint Secretary (Admin), Ministry of Education; **Dr. Vinit Joshi**, Chairman & **Prof. Manish R. Joshi**, Secretary, University Grants Commission (UGC); **Prof. T. G. Sitharam**, Chairman, All India Council for Technical Education (AICTE), for their support in recognizing the importance of this course, aimed at building an informed and skilled youth cadre capable of responding to disasters effectively.

We extend heartfelt thanks to all **Subject Experts and the members of the Curriculum Development Committee** for their dedicated efforts, technical insights and valuable contributions in formulating this model curriculum. Their collective expertise enabled the design of a comprehensive and practical course framework within the stipulated timeframe.

This model course has been greatly benefitted from the expertise and experience shared by the eminent faculties and professionals from institutions such as **School of Planning and Architecture, Bhopal; University of Delhi; Delhi Fire Services; Sardar Patel University, Gujarat; Delhi Technological University; University of Lucknow; Central University of Kerala; Central University of South Bihar; Manipur Technical University; SRM Institute of Science and Technology, Chennai; Rashtriya Raksha University, Gujarat; and Uttar Pradesh State Disaster Management Authority (SDMA)**.

We also extend our sincere appreciation to the faculty members of NIDM for their constructive feedback and suggestions. We gratefully acknowledge the dedicated efforts of the IUINDRR–NIDM team whose support has been instrumental in refining and strengthening the curriculum.

Special appreciation is extended to the **Shri Safi Ahsan Rizvi, Advisor (Mitigation), NDMA** (former **ED, NIDM**) and **Shri Madhup Vyas, Executive Director, NIDM**, for their visionary leadership in recognizing the need for developing this 'Model Curriculum on Disaster Risk Reduction and Management' at the undergraduate level and for their constant support and guidance throughout this exercise.

This model curriculum will serve as a significant step toward strengthening disaster preparedness, fostering resilience and nurturing a generation of skilled and informed youth equipped to address contemporary challenges in disaster risk reduction and management.



Dr. Preeti Soni
(Convener & Nodal)



Dr. Ajinder Walia
(Core Committee Member)



Sh. Randeep Kr. Rana
(Core Committee Member)

Contents

Preamble	1
Structure of Model Curriculum Optimum Contact hours and scoring Scheme for SEC on DRR	5
Model Course Curriculum (Undergraduate level – All disciplines)	6
Suggestive Resource Materials	9
Annexure I Fire Services Departments list	13
Annexure II National Disaster Response Force battalions list	16
Annexure III State Disaster Response Force list	18
Annexure IV State Emergency Operations Centers list	20
Annexure V List of State Disaster Management Authorities	24
Annexure VI List of important institutions and suggestive sites for field visit	30
Glossary	32

Preamble

India is exposed to a broad spectrum of natural hazards, including floods, cyclones, droughts, extreme heat, wildfires, and earthquakes, making it one of the most disaster-prone countries globally (GFDRR¹, 2019; UNDRR², 2020). In addition to natural hazards, the country also faces significant anthropogenic risks arising from chemical, biological, radiological, and nuclear (CBRN) emergencies, particularly due to high population density, rapid urbanisation, and expanding industrial activity (NDMA³, 2019; MHA⁴, 2021). Disasters triggered by these hazards not only result in loss of human lives and extensive damage to infrastructure but also create long-term psychosocial and mental health impacts on affected communities (WHO⁵, 2013; NIMHANS⁶, 2020).

The education sector is similarly vulnerable, often experiencing prolonged disruptions that impede learning continuity and overall human development (UNESCO⁷, 2021). At the same time, education plays a critical role across all phases of disaster management—from mitigation and preparedness to response and recovery—by strengthening awareness, skills, and resilience. A trained and skilled human resource base is essential at every stage of the disaster management cycle to minimise disaster impacts and support effective recovery. This highlights the urgent need to enhance the capacity of citizens to contribute to building a disaster-resilient India.

As the most populous country in the world, India has the world's largest youth population, with nearly 65% of its citizens below the age of 35 (Press Information Bureau⁸, Government of India). According to the All India Survey on Higher Education (AISHE⁹) 2021–22, undergraduate programmes constitute the largest share of student enrolment, accounting for approximately 78.09%. In this context, the proposed skill enhancement course for undergraduate students is a significant initiative aimed at equipping young people with essential, life-saving competencies to protect themselves and support their communities during disasters. The course also seeks to promote meaningful youth engagement in disaster risk reduction efforts, ultimately contributing to the long-term objective of building a safer and more resilient nation.

The proposed 2-credit course aligns with the guidelines of NEP 2020 for skill enhancement courses, aiming to foster active, experiential and participatory learning across disciplines, enabling students to anticipate, and recover from disruptive events. By combining field experiences with local knowledge and institutional insights, the curriculum seeks to provide a model curriculum on DRR life-saving skills to cultivate a resilient mind set in future professionals and citizens.

It combines core modules to ensure consistency in DRR literacy and elective modules grounded in regional hazard contexts, allowing for flexibility and customization according to local conditions. Practical and field components, such as community exposure, hazard mapping exercises, mock drills, local DRR planning and integral assessment elements. The curriculum also incorporates thematic updates, including pandemic preparedness, psychosocial resilience, early warning technology and evolving hazards (e.g., urban flooding, heatwaves, glacial lake outburst floods).

¹GFDRR (2019). *Country Profile: India*.

²UNDRR (2020). *Human Cost of Disasters Report*.

³NDMA (2019). *National Disaster Management Guidelines and CBRN Safety Framework*.

⁴Ministry of Home Affairs (2021). *Disaster Management in India: Status and Policy Framework*.

⁵WHO (2013). *Building Back Better: Sustainable Mental Health Care after Emergencies*.

⁶NIMHANS (2020). *Guidelines on Mental Health and Psychosocial Support in Emergencies*.

⁷UNESCO (2021). *Education in Emergencies: Global Status Report*.

⁸Press Information Bureau (PIB), Government of India. *Demographic Highlights*.

⁹AISHE (2021–22). *All India Survey on Higher Education Report*.

Special Recommendation

It is suggested to incorporate region-specific disaster issues, concerns and innovations into the syllabus to promote practical knowledge and foster behavioural change towards disaster preparedness and resilience.

Mechanism of Consultation & Revision

The drafting of this curriculum followed a rigorous and layered consultation process. A series of meetings was held over a period of 2 months to finalize the course for implementation in Academic Year 2026-27.

1. Expert Working Group Formation and Zero Draft

Strengthening NIDM's efforts for mainstreaming Disaster Risk Reduction (DRR) into Higher Education Institutions (HEIs), the directions were issued by Ministry of Education and UGC vide D.O. No. 15-19/2025(CPP-II) (C.161224) dated 30 July, 2025 for integration of 2 credit skill enhancement course at UG level across country, an expert working group was constituted by NIDM comprising of leaders in academia, disaster practice, government bodies and internationally experienced practitioners. A zero draft of the curriculum was shared with this group and detailed comments and revisions were solicited.

2. Model Curriculum Workshop and Stakeholder Deliberation

To identify regional and national disaster-related issues, a workshop on the development of a Model Curriculum was organized on 29 September 2025 at NIDM, Delhi Campus. The workshop brought together representatives from all regions of India, including participants from academic institutions, disaster management practitioners and experts from state authorities. Through plenary discussions and breakout sessions, valuable insights and contextual suggestions were garnered to refine the curriculum.

3. Final Revision and Approval

Finally, inputs from NIDM faculty members, the expert working group and the workshop were synthesized and incorporated into a final revision. The Model Curriculum Committee finalized this version unanimously. Thus, the current document reflects collective expertise and regional sensitivity. This multi-tiered consultation ensured that the syllabus is academically robust, operationally relevant and regionally adaptive.

Members of Core Committee

- Shri Randeep Kumar Rana, Senior Advisor, NIDM, MHA, GOI
- Dr. Ajinder Walia, Associate Professor and Head of the Department, Governance Inclusive DRR (GIDRR), NIDM, MHA, GOI
- Dr. Preeti Soni, Senior Consultant, IUINDRR- NIDM, MHA, GOI

Team Support

Coordination and Technical support

- Ms. Koyal Sindhu, Junior Consultant, NIDM

Logistics and Administrative support

- Ms. Ritu, Junior Consultant, NIDM

Members of the Working Group

- Prof. Sneha Lata Tandon, Former Head, Department of Social Work, University of Delhi
- Ms. Ranjini Mukherjee, Director - Research, Knowledge Management & Capacity Development, Coalition for Disaster Resilient Infrastructure (CDRI), Delhi
- Prof. Shilpa Pal, Professor, Department of Civil Engineering, Delhi Technological University
- Dr. Neha Goyal, Assistant Professor, Department of Environmental Studies, Sri Guru Gobind Singh College of Commerce, University of Delhi
- Ms. Ranu Chauhan, Senior Consultant, National Disaster Management Authority, GOI

Contribution By

- Shri R.C. Sharma, Former Director, Delhi Fire Services
- Dr. Yogesh Joshi, Professor, Department of Business Management, Sardar Patel University, Gujarat
- Prof. Rama Umesh Pandey, Head of Department of Landscape (NCSRDP), School of Planning and Architecture, Bhopal
- Prof. Shilpa Pal, Professor, Department of Civil Engineering, Delhi Technological University
- Dr. Anoop Kumar Bhartiya, Professor, Department of Social Work, Lucknow University
- Dr. Pratheesh P., Associate Professor, Department of Geology, Central University of Kerala
- Dr. Manjit Singh, Associate Professor, Department of Geography, Central University of South Bihar
- Dr. Kosygin Leishangthem, Assistant Professor, Faculty of Civil Engineering, Manipur Technical University
- Dr. Vignesh Krishnan Sumathi, Assistant Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, Chennai
- Dr. Neha Goyal, Assistant Professor, Department of Environment Sciences, Sri Guru Gobind Singh College of Commerce, University of Delhi
- Shri Sagar Ghodasara, Assistant Professor, School of Internal Security and SMART Policing, Rashtriya Raksha University, Gujarat
- Shri Ashish Sharma, Project Expert, Uttar Pradesh, SDMA
- Shri Prashant Kumar, Project Associate, Uttar Pradesh SDMA
- Dr. George Kodickal, Health Emergencies and Disaster Risk Management Officer, WHO India
- Dr. Rachana Kathuria, National Professional Officer, WHO India

Basic Framework of the Proposed Skill Enhancement Course on Disaster Risk Reduction- 2 Credit

At present, only a few universities in India offer Disaster Risk Reduction and Management (DRRM) as an independent programme or as a foundational course at the undergraduate level. In most institutions, disaster-related topics are offered only as elective papers within limited disciplines, leaving a large section of students without exposure to DRRM. Recognizing this gap, the proposed 2-credit Skill Enhancement Course on DRRM has been designed to ensure that all undergraduate students, irrespective of their discipline, gain essential knowledge and practical skills for understanding, mitigating and responding to disasters.

Given that DRRM is not part of the pre-university (10+2) curriculum in most regions, this syllabus has been structured to suit the eligibility level of a 12th class pass outs student and is recommended to be offered in the second semester of undergraduate study. The course is designed to be interdisciplinary and adaptable across all streams—arts, science, commerce, engineering, or professional studies—emphasizing experiential and applied learning through case studies, simulations and community engagement.

The framework focuses on introducing students to the broader perspectives of disaster risk reduction, while equipping them with foundational skills in preparedness, response and recovery. This approach aligns with the urgent need to build a culture of safety and resilience in the face of rapidly increasing frequency and intensity of hazards driven by climate change and unplanned development. The course thereby aims to cultivate informed, responsible and proactive youth capable of contributing to community and national resilience.

STRUCTURE OF MODEL CURRICULUM OPTIMUM CONTACT HOURS AND SCORING SCHEME FOR SEC ON DRR

Course type: Skill Enhancement Course (Disaster Risk Reduction)

Disaster Risk Reduction and Management: Skills for Safety and Resilience

Unit I: Understanding Disaster Risk Reduction and Management

Unit II: Preparedness, Mitigation and Response Planning

Unit III: Life Saving Skills

Unit IV: Field Exposure and Community Engagement

Total Credit: 2

Total Hours: 45 (15 hours lecture and 30 hours practical)

Assessment Criteria: 100 (50 Marks Continuous Assessment and 50 Marks Examination)

Continuous Evaluation:

- Internal/Continuous Assessment (50) : Assignments, Test/Quiz/ Practical/Fieldwork
- University Examination (50)

Model Course Curriculum (Undergraduate level – All disciplines)
Credit Distribution, Eligibility and Pre-Requisites of the Course

Course Code	SKILL ENHANCEMENT COURSE (DISASTER RISK REDUCTION)	Contact hours		L	T	P*	C
				1	0	2	2
Semester	II	Lecture	Practical	Type			
Course Title	Disaster Risk Reduction and Management: Skills for Safety and Resilience	15 (1 hour/ week)	30# (2 hours/ week)	Compulsory			
Credits	2			Undergraduate			
Eligibility	12 th Pass (recommended for I Year, II Semester)						
Total Marks	100			(50 Marks Internal and 50 Marks end semester exam)			
Course Objective:							
To equip students with the knowledge, skills and competencies to identify, assess, mitigate disasters and design effective disaster management plans and strategies at individual, institutional and community levels, aligning with national and global frameworks.							
Learning Outcome:							
By the end of this course, students will be able to:							
1. Identify hazards, vulnerabilities and risks at individual, institutional and community levels. 2. Outline the legal and institutional frameworks of DRR in India and globally. 3. Demonstrate life-saving skills, emergency communication, disaster response and risk mitigation techniques. 4. Utilize and implement basic tools and technologies for risk assessment, preparedness and resilience-building. 5. Prepare disaster management plans and design community awareness activities, or prototypes in regional/local contexts.							
Unit: 1	Understanding Disaster Risk Reduction and Management						
• Basic concepts and terminology: Hazard, Vulnerability, Capacity, Exposure, Disaster, Risk, Disaster Management & Disaster Risk Reduction. • Hazard profile of India: Regional profile. • Disaster Management Cycle: Mitigation, preparedness, response, relief, recovery, rehabilitation. • Policy and legal frameworks: DM Act 2005, DM Amendment Act 2025, National Policy, State-specific Acts; PM 10 Points agenda. • International frameworks: Sendai Framework, Paris Agreement, SDGs.							

- **Role of Institutions in DRR (overview only):** NDMA, NIDM, IMD, CWC, GSI, BIS, ISRO, INCOIS, SDMA, DDMA, NDRF.
- **Case studies of different disasters in India:** Lessons learned (minimum 2).

Unit: 2	Preparedness, Mitigation and Response Planning
----------------	---

- **Framework for Developing Disaster Management Plans.**
- **Hazard, Vulnerability, Capacity and Risk (HVCR) Assessment tools and techniques:** Transect walk, Hazard mapping, Problem tree, Chapatti diagram etc.
- **Mitigation and Preparedness:** Evacuation planning, mock drills, tabletop exercises; disaster-specific mitigation, Crowd Management techniques.
- **Basics of Incident Response System (IRS).**
- **Role of emergency forces:** NDRF, SDRF, police, fire services, armed forces, NCC, NSS.
- **Planning for more vulnerable groups.**
- **Emerging technologies:** Drones, digital literacy, mobile apps (GIRI tool, SAFAR, Meghdoot, UMANG, Sachet, CWC Flood Alerts, IMD, BIS, IHIP), social media for DRR.
- **Basics of safe construction and structural & nonstructural audit exercise** (safety of home/college buildings).
- **Funding mechanisms for disasters in India.**
- **Emergency Communication Network.**

Unit: 3	Life-Saving Skills
----------------	---------------------------

- **First Aid in disasters:** Golden hour concept, CPR, wounds, choking, burns, fractures, animal bites (snake/dog/rabid), heat-related illnesses, triaging, stampede.
- **Household and personal preparedness and protection:** 72-hour emergency kit, safe food storage, water purification, ORS use, water sanitation and hygiene (WASH) and Infection Prevention Control (IPC) practices, Basic Sign Language.
- **Search and Rescue methods.**
- **Fire safety and electrical/gas/LPG safety:** Causes, prevention, fire extinguisher demonstration, indigenous methods (Natural first-aid remedies- aloe vera, turmeric, coconut oil, salt solution); traditional risk-reduction practices.
- **Disaster-specific response:** Floods, landslides, earthquakes, CBRN emergencies, pandemics, drowning, lightning, gas leakage, cyclone, heatwave, coldwave.
- **Psychosocial support in DRR;** Steps for implementing psychological first aid and its importance.
- **Public health preparedness:** Public health impacts of various disasters, Prevention of post-disaster water-borne and vector-borne diseases.

Unit: 4	Field Exposure and Community Engagement
----------------	--

- **Field visits:** District Emergency Operations Centre, State Disaster Response Force/ National Disaster Response Force units, fire stations, State Emergency Operations Center, hazard-prone communities, heat-prone areas (flood-prone village, fire-vulnerable urban slum).
- **Practical exposure:** Mock drills, demonstrations and simulations (multi-hazard, evacuation, earthquake, flood); interaction with responders and officials (Aapda Mitras, National Cadet Corps/National Service Scheme/Nehru Yuva Kendra Sangathan, Red Cross).

- **Community Engagement projects:** Street plays (nukkad natak), awareness campaigns, DRR clubs (institute and community level clubs), Information, Education and Communication material (podcasts, videos, comics, photo essays, posters, Knowledge exchange webinars).
- **Environmental hazards:** Youth/community participation (tree plantation, soil conservation).
- **Project/assignment:** Preparation of institutional/household DM plan in local language; budget-friendly multi-disaster survival kit prototype; reflective field report, youth-led community engagement projects and creation of IEC/digital communication materials.
- **Multidisciplinary integration:** Links with local governments, HEIs, youth/adolescent networks.
- **Activities for mitigating disaster risks:** Increasing green cover, plantation and knowledge of human anatomy.
- **Interaction with:** State, district, gram panchayat level officials, DRR helpline numbers, and knowledge of physical resources required and available locally; interview /session with disaster survivors.

Total Lecture hours	15 hours
Total Practical hours (field/project/exercises)	30 hours
Total hours	45 Hours
Mode of Evaluation: Quizzes, Assignments, Multiple choice questions test, field work report, project, presentation, community activity, simulation	

* According to NEP 2020 guidelines, 2 credits of practical or field work are generally equivalent to 1 credit.

Inclusive of all practical/field visits/interactions/guest sessions.

Note: The approach of this course is to inculcate awareness of hazards and develop the capacity to respond to disasters with an aim for DRR. Hence, it is recommended to use the expertise of professionals during field visits and practical training. These professionals can be from the NDRF, SDRF, Indian Armed Forces, Firefighting department, medical and sports arenas and others who have first-hand experience and knowledge in such skills (a suggestive list is annexed).

Suggestive Resource Materials

Books/Handbooks

1. Sphere Handbook for humanitarian response standards.
Link: <https://spherestandards.org/handbook/>
2. Health emergency and disaster risk management framework (Health EDRM). WHO. Link: <https://www.who.int/publications/i/item/9789241516181>

Websites of Key Agencies

1. National Disaster Management Authority (NDMA): <https://ndma.gov.in>
India's apex body for policy and planning in disaster management.
2. National Institute of Disaster Management (NIDM): <https://nidm.gov.in>
Apex national level training and capacity-building institution for disaster risk reduction.
3. India Meteorological Department (IMD): <https://mausam.imd.gov.in>
Provides official weather forecasts, warnings and alerts.
4. Central Water Commission (CWC): <http://www.cwc.gov.in>
Responsible for flood forecasting and hydrological data.
5. Flood Forecasting Portal (FFWC): <https://ffs.india-water.gov.in/>
Real-time flood forecasting and inundation alerts for India.
6. Geological Survey of India (GSI): <https://www.gsi.gov.in>
Provides hazard maps and geological risk assessments.
7. India Disaster Resource Network (IDRN): <https://idrn.gov.in>
Inventory of emergency response resources across India.
8. Coalition for Disaster Resilient Infrastructure (CDRI): <https://cdri.world/>
Global initiative led by India for promoting resilient infrastructure.
9. Indian Space Research Organisation (ISRO): <https://www.isro.gov.in/>
Space agency of India; information regarding academic programmes and fellowships
10. Indian Institute of Remote Sensing: <https://www.iirs.gov.in/>
Research, educational programmes and resources related to remote sensing and geo-informatics
11. DRDO Avalanche Warning Bulletin: <https://drdo.gov.in/drdo/avalanche-warning-bulletin>
Snow and avalanche forecasts for high-altitude regions.
12. Building Materials and Technology Promotion Council (BMTPC): <https://www.bmtpc.org/>
Promoting sustainable, cost-effective, and disaster-resistant building materials and technologies
13. National Information Centre of Earthquake Engineering (NICEE) at IIT Kanpur:
<https://www.nicee.org/EQTips.php>
Learning Seismic Design and Construction

Mobile Applications

1. Bhooskhalan App (GSI)
Reports and monitors landslide events in India.
2. MausamGram App (IMD)
Hyperlocal weather forecast and alerts powered by IMD.
3. Sachet App (NDMA)
Alerts for natural and human-induced disasters and industrial safety incidents.
4. SAFAR (System of Air Quality and Weather Forecasting and Research):
<https://safar.tropmet.res.in/>
Real-time air quality and environmental health forecasting.

NDMA Booklets

1. AAPDA MITRA: A prime example of community-based disaster management: <https://ndma.gov.in/sites/default/files/IEC/Booklets/AAPDA%20MITRA%20A5%20BOOK%20Final.pdf>
2. DISABILITY INCLUSIVE DRR: Transformative journey towards a disability-inclusive society: <https://ndma.gov.in/sites/default/files/IEC/Booklets/Disability%20inclusive%20DRR.pdf>
3. BEATING THE HEAT: How India successfully reduces mortality due to heat waves: <https://ndma.gov.in/sites/default/files/IEC/Booklets/HeatWave%20A5%20BOOK%20Final.pdf>
4. PSYCHOSOCIAL CARE: Mitigating impact of disasters on mental health: <https://ndma.gov.in/sites/default/files/IEC/Booklets/Psychosocial%20A5%20Book.pdf>
5. REACHING OUT TO SAVE LIVES: How social media transformed India's readiness towards disasters: <https://ndma.gov.in/sites/default/files/IEC/Booklets/Social%20Media%20A5%20BOOK.pdf>
6. THUNDERSTORM AND LIGHTNING: Tackling weather hazards: <https://ndma.gov.in/sites/default/files/IEC/Booklets/Thunderstorm%20Lightning%20NDMA%20A5%20BOOK%20New.pdf>

NIDM Training Modules and Guidelines

1. Do's and Don'ts for Common Disasters: https://nidm.gov.in/PDF/IEC/DOS_E_24.pdf
Simple safety instructions for major disasters.
2. Community-based disaster risk management: https://nidm.gov.in/PDF/Modules/ToTModule_CBDRM2025.pdf
3. Management of crowds at large congregations: https://nidm.gov.in/PDF/Modules/TrgMod_CrowdatLargeCongregations.pdf
4. Climate change and extreme events risk reduction: https://nidm.gov.in/PDF/Modules/TM_CCEERR_23.pdf
5. Health adaptation and resilience to climate risks; https://nidm.gov.in/PDF/Modules/NIDM_HARCR2021.pdf
6. NIDM IEC Material: <https://nidm.gov.in/iec.asp>
Informational and awareness-raising content on DRR.
7. Social and Behavioural Change Communication (SBCC) Training Module: https://nidm.gov.in/sbc_training_module.asp
Training content for behaviour change during disasters.
8. SBC Toolkit – Cyclone: https://nidm.gov.in/sbc_cyclone.asp
Preparedness and response strategies for cyclone-prone areas.
9. SBC Toolkit – Flood: https://nidm.gov.in/sbc_floods.asp
Community-level flood preparedness material.
10. SBC Toolkit – Earthquake: https://nidm.gov.in/sbc_eq.asp
Guidelines for earthquake risk reduction.
11. NIDRR Checklist and Planning Tools: <https://nidm.gov.in/pdf/sbc/DRR%20Checklist%20PDF%20for%20WEB.pdf>
Tools for local disaster preparedness planning.
12. NIDRR Communication Materials User Guide: <https://nidm.gov.in/pdf/sbc/NIDM%20User%20Guide%20Communication%20Material%20PDF%20for%20WEB.pdf>
Reference for community-level communication campaigns.

13. NIDM Training Modules: <https://nidm.gov.in/modules.asp>
Topic-wise training modules for educators and practitioners.

Other Key Materials

1. NDMA Awareness Booklets: <https://ndma.gov.in/Resources/booklets>
Official illustrated booklets on various disaster types.
2. Indian Red Cross Society: <https://indianredcross.org>
Offers first aid, blood services, and disaster relief training.
3. International Federation of Red Cross and Red Crescent Societies:
<https://www.ifrc.org>
4. NIDM Audio-Visual Material (YouTube): <https://www.youtube.com/@NIDMINDIA>
Videos, webinars, and documentaries on DRR.
5. UNDRR resources: <https://www.undrr.org/> Resources for global frameworks
6. Class 9–10 CBSE Teachers' Manual (Life Skills)

Resources on Youth Engagement for Disaster Risk Reduction

1. The Power of Youth Engagement in Disaster Risk Reduction activities (Technical Report · May 2020):
<https://www.researchgate.net/publication/351049159>
2. Participation in Disaster Risk Reduction (DRR) Education: Analysing the Practices, Issues and Challenges - Open Journal of Earthquake Research, 2023, 12, 198-222:
<https://www.scirp.org/journal/ojer>
3. Youth Participation in Disaster Risk Management and Climate Change Adaptation (Book · October 2023): <https://www.researchgate.net/publication/382973623>
4. Nalla, V., & Ranjit, N. (Eds.). (2022). Afterwards: Graphic narratives of disaster risk and recovery from India. Indian Institute for Human Settlements. <https://doi.org/10.24943/9788195648559>

Online courses

- **NIDM**
 1. Comprehensive Disaster Risk Management Framework (CDRMF):
https://elearning.nidm.gov.in/enrol/blpayment/course_overview.php?id=193
 2. Gender Aspects of Disaster Recovery and Reconstruction:
https://elearning.nidm.gov.in/enrol/blpayment/course_overview.php?id=187
 3. Risk Sensitive Land Use Planning:
https://elearning.nidm.gov.in/enrol/blpayment/course_overview.php?id=191
 4. Safe cities: https://elearning.nidm.gov.in/enrol/blpayment/course_overview.php?id=197
 5. Community- Based Disaster Risk Management:
https://elearning.nidm.gov.in/enrol/blpayment/course_overview.php?id=217
 6. Climate Change and Disaster Risk:
https://elearning.nidm.gov.in/enrol/blpayment/course_overview.php?id=216
- **SWAYAM and NPTEL MOOCs:**
 1. Disaster Recovery and Build Back Better (BBB):
https://onlinecourses.nptel.ac.in/noc22_ar05/preview

2. Climate Change and Disaster Risk Management
https://onlinecourses.swayam2.ac.in/ntr25_ed113/preview
3. Disaster Management:
https://onlinecourses.swayam2.ac.in/ntr25_ed102/preview
4. Disaster Management:
https://onlinecourses.swayam2.ac.in/cec25_hs135/preview
5. Disaster Risk Reduction and Management:
https://onlinecourses.swayam2.ac.in/ini25_hs32/preview
- **NIDM courses on iGOT Karmayogi for government officials (<https://igotkarmayogi.gov.in>):**
 1. Dos and Don'ts of Disaster Preparedness
 2. Basics of Disaster Management
 3. School Safety: Hazard risk vulnerability analysis
 4. Crowd management
 5. School safety beyond structures: Planning and mitigation
 6. Flood management

Annexure - I

Fire Services Departments list

S. no.	State/ UT	Contact No.	E-mail	Website
1	Andaman & Nicobar	03192-230216	dgp@and.nic.in	http://andssw1.and.nic.in/ospfire/
2	Andhra Pradesh	040-23442944	vivekdube@hotmail.com	https://fireservices.ap.gov.in/
3	Arunachal Pradesh	0360-2212576	igp.arunpol@nic.com	https://anjaw.nic.in/divisions/fire-station/
4	Assam (Guwahati)	0361-2511329	info@asfso.org	https://fireandemergency services.assam.gov.in/
5	Bihar (Patna)	0612-2221191	sfocumdirector-bih@gov.in	https://fireservice.bihar.gov.in/
6	Chandigarh	91-98881117800	supdtfire42@gmail.com	https://web.archive.org/web/20140203030327/http://mcchandigarh.gov.in/firedept.htm
7	Chhatisgarh	+91-771-2512330 2512331, 2512332 2512333	-	https://cghgcd.gov.in/
8	Dadra & Nagar Haveli and Daman & Diu	0260-2242666 0260-2241101 0260-2241666/101	Sfo-dmn-dd@ddd.gov.in	https://fes.ddd.gov.in/Home/Contact_us
9	Goa	+91 7391047132 101 / 112	dir-fire.goa@nic.in	https://dfes.goa.gov.in/overview-functioning/contact-us/
10	Gujarat	0079-23259509	afes@ahmedabadcity.gov.in	https://fscop.gujfiresafetycop.in/Default.aspx
11	Haryana	0172-2704941	dulbhry@yahoo.co.in	-
12	Himachal Pradesh	0177-2629945	fire-hp@nic.in	https://himachal.nic.in/fire
13	Jammu & Kashmir	0191-2457821/3013	info.fesjk@jk.gov.in	https://www.fireandemergencyjk.co.in/

14	Jharkhand	9123461101	sfojhkfire@gmail.com	https://advantage.jharkhand.gov.in/fire/
15	Karnataka	91-80-22282392 22285659 22286632	md@kumbangalore.com ebiz.karnatakaonline1@gmail.com	https://ebiz.karnataka.gov.in/kum/ksfesd.aspx
16	Ladakh	91 -99062 62252	Ladakhfireservice101@gmail.com	-
17	Kerala	0471-2320872 2320868	dg.frs@kerala.gov.in	https://fire.kerala.gov.in/
18	Lakshadweep	04896-262258	lak-sop@nic.in	-
19	Madhya Pradesh	0755-2554081 82,2552356 2655367	lsbaghel.mpuad@gmail.com commuadmp@mpurban.gov.in	-
20	Manipur	0385-2450101 +91 8415925200	fireservice.mn@gov.in, nabamanipurfire@gmail.com	https://manipurfireservice.gov.in/
21	Meghalaya	0364-2224668	fes.meg@meghalaya.gov.in	https://megfireservice.gov.in/
22	Maharashtra	<u>022 69820555</u>	info@mahafireservice.gov.in	https://mahafireservice.gov.in/
23	Mizoram	0389-2341203	so.fire@mizoram.gov.in firemizo@gmail.com	https://fireservice.mizoram.gov.in/
24	Nagaland	0370-2221817	firedept-ngl@gov.in nlfnes@gmail.com	https://nfes.nagaland.gov.in/
25	New Delhi	011-23414000	director.dlfire@nic.in	https://dfs.delhi.gov.in/
26	Odisha	0671-2300317	cghomeguar dorrisa@gmail.com dircdodisha@gmail.com	www.odishafshgscd.gov.in

27	Puducherry	0413-2336677	Fire.pon@nic.in	https://fire.py.gov.in/
28	Punjab	09815941207 0172-2619278 2619145	dlgmsc123@ gmail.com dirlocalgovtpunjab @gmail.com	https://lgpunjab.gov.in/cms/fire-services.php
29	Rajasthan	0141-2222403	dlbrajasthan@ gmail.com	-
30	Sikkim	101, 03592-202001	controlroom@ sikkimfire.nic.in	https://sikkimfire.nic.in/About_us.htm
31	Tamil Nadu	9443655001/044- 28294129	tnfrs.tn@nic.in	https://www.tnfrs.tn.gov.in/
32	Telangana	040-23442955	ts_firechief@ yahoo.com	https://fire.telangana.gov.in/
33	Tripura	0381) 232-6451	dg.fire-tr@gov.in	http://www.fireservice.tripura.gov.in/
34	Uttarakhand	0135- 2654900/ 2712685	ddtfireukd@gmail. com	https://ukfireservices.com/uttarakhand_fire/
35	Uttar Pradesh	0522-2287236	shqup@gmail.com	www.upfireservice.gov.in
36	West Bengal	033-22527172	dg.wbfes@gmail. com	https://wbfes.gov.in/

Annexure - II

National Disaster Response Force battalions list

Unit	Address	Control Room No.	E-mail
1 st Battalion NDRF	1 st BN NDRF, Patgaon PO - Azara, Distt. Kamrup Metro, Guwahati - 781017	0361-2840027	assam01-ndrf[at] nic[dot]in
2 nd Battalion NDRF	2 nd BN NDRF Near RRI Camp. Haringhata Mohanpur, Nadia (West Bengal) Pin - 741246	033-25875032	wb02-ndrf[at] nic[dot]in
3 rd Battalion NDRF	3 rd BN NDRF, PO-Mundali Cuttack - Odisha Pin - 754013	0671-2879710	ori03-ndrf[at]nic[dot] in
4 th Battalion NDRF	4 th BN NDRF, Suraksha Campus, Arrakonam, Distt. Ranipet, Tamilnadu - 631152	04177-246594 9442140269	tn04-ndrf[at]nic[dot] in
5 th Battalion NDRF	5 th BN NDRF Sudumbare, Mavel, Pune Maharashtra-412109	9422315628 9422318427	mah05-ndrf[at] nic[dot]in
6 th Battalion NDRF	6 th BN NDRF, Jarod Camp Teh-Wagodia, Vadodara (Gujarat) Pin - 391510	9429199493	guj06-ndrf[at] nic[dot]in
7 th Battalion NDRF	7 th BN NDRF, Bibiwala Road Bhatinda (Punjab) Pin 151001	0164-2246030	pun07-ndrf[at] nic[dot]in
8 th Battalion NDRF	8 th BN NDRF, Kamla Nehru Nagar, Ghaziabad, UP Pin - 201002	0120-2766013	up08-ndrf[at] nic[dot]in
9 th Battalion NDRF	9 th BN NDRF, Bihata Patna Bihar, Pin-801103	8544415050 8544415049	patna-ndrf[at] nic[dot]in
10 th Battalion NDRF	10 th BN NDRF, Village Kondapavuluru, PO- Surampalli, Gannavaram Mandal Krishna (AP) PIN-521212	--	ap10-ndrf[at]nic[dot] in

11 th Battalion NDRF	11 th BN NDRF, Sanskritik Sankul, Maqbool Alam Road Varanasi, UP-221002	0542-2501202	up-11ndrf[at]gov-[dot]in
12 th Battalion NDRF	12 th BN NDRF, Itanagar Arunachal Pardesh-791112	0360-2999577	bn12[dot]ndrf[at]gov[dot]in
13 th Battalion NDRF	13 th BN NDRF, Ladhowal Ludhiana, Punjab-141008	0161-2921304	jk13[dot]ndrf[at]gov[dot]in
14 th Battalion NDRF	14 th BN NDRF, Nurpur Jassur, Kangra Himachal Pradesh PIN-176201	01893-292602	co14[dot]ndrf[at]gov[dot]in
15 th Battalion NDRF	15 th BN NDRF, PO-Gadarpur Distt - Udham Singh Nagar Uttarakhand, PIN-263152	05949-231198 7579098442	co15[dot]ndrf[at]gov[dot]in
16 th Battalion NDRF	16 th BN NDRF, Near Dada Dev Mandir Road, Sector-7 Dwarka, New Delhi PIN-110077	011-20893564	co16[dot]ndrf[at]gov[dot]in

Annexure - III

State Disaster Response Force list

State	Email id	Contact no.	Website
Andhra Pradesh	apsdrf@gmail.com	-	https://apsdma.ap.gov.in/apsdrf.php
Arunachal Pradesh	dirts@arunpol.nic.in	-	https://sdma-arunachal.in/sdrf/
Assam	asdmaghy@gmail.com	+91-361-2237221 (O) +91-361-2237010 (F)	https://sdrf.assam.gov.in/
Bihar	info@bsbma.org	+91-6115252028-29 (O)	state.bihar.gov.in/disastermgmt/
Chhattisgarh	dghomeguard.cg@gmail.com	+91-771-2512306 (O)	cghgcd.gov.in
Gujarat	control-pu@gujarat.gov.in	+91-79-23254442 (O)	http://www.gsdma.org/Content/creation-of-state-disaster-response-force-sdrf-4191
Goa	Dir-fire.goa@nic.in	(+91) 7391047132 101 1122225500 / 2423101 2425101 / 2455400	https://dfes.goa.gov.in/disaster-management/state-disaster-response-force/
Haryana	fcr@hry.nic.in	+91-172-2711925 (O) +91-124-2269913	http://hdma.gov.in/en/sdrf-norms
Himachal Pradesh	sp1-sdrf@hp.gov.in , sdma-hp@nic.in	+91-98160-06938 (M) +91-177-2626212(O)	hpsdma.nic.in/Index1.aspx?lid=1410&lsid=1460&pid=1457&lev=3&langid=1
Karnataka	dgp.ksfes@ka.gov.in	+91-80-25570733 (O) +91-80-22971501	https://ksdrf.karnataka.gov.in/en
Kerala	seoc.gok@gmail.com , keralasdma@gmail.com	+91-471-2364424 2331345 (O)	https://sdma.kerala.gov.in/sdrf/
Madhya Pradesh	secyhome@mp.gov.in	+91-755-2708062 (O)	https://negd.gov.in/isl/Directory/statedata/25
Maharashtra	sdrfgrunagpur@gmail.com	+91-7104-238032 (F)	https://sdma.maharashtra.gov.in/en/
Manipur	sdrfgrunagpur@gmail.com	+91-385-2450038(O)	https://manipursdma.com/

Meghalaya	sdmadeptt007@gmail.com	+91-364- 2500053 (O)	https://msdma.gov.in/sdrf.html
Mizoram	jsdmr@gmail.com	+91-389-2315205 (O) 2322745 (F)	https://dmr.mizoram.gov.in/page/sdrf
Nagaland	homecommissioner.nagaland@gmail.com	+91-370-2270068(O) 2270071(F)	https://nsdma.nagaland.gov.in/sdrf
Odisha	srcodishagov@gmail.com	+91-674-2534180(O)	https://www.osdma.org/#gsc.tab=0
Punjab	fcr@punjab.gov.in	+91-172-2743854(O), 2740904(O)	https://revenue.punjab.gov.in/?q=disaster-management-plans
Rajasthan	adgp.sdrf@rajpolice.gov.in , adgpsdrf@gmail.com	+91-141-2741927(O)	https://dmrelief.rajasthan.gov.in/content/raj/dmr/en/home.html#
Sikkim	NA	-	https://ssdma.nic.in/
Tamil Nadu	marutham28@gmail.com	+91-44-24328392(O)	https://www.tn.gov.in/go.php?dep_id=MjY=&year=MjAyMQ==
Tripura	sarat.kumar.das@gmail.com	+91-381-2413318/357(O) 2413318(F)	https://tdma.tripura.gov.in/
Uttar Pradesh	NA	+91-522-2238200(O) +91-522-2238084(F)	https://www.sdrfup.in/
Uttarakhand	cosdrf-police-uk@nic.in	+91-135-2410197(O) +91-9412057650	https://usdma.uk.gov.in/
West Bengal	ps.dmd-wb@nic.in	+91-33-22143674 501003(O), 22144005(F)	http://wbmdm.gov.in/Pages/Default.aspx
Dadra & Nagar Haveli and Daman & Diu	dmc-dnh@nic.in	+91-260-2630304 (O) 2641113 (F) +91-7874148005	https://daman.nic.in/state-disaster-managment-dd.aspx
Jammu and Kashmir	ighg@jkpolice.gov.in	+91-194-2455165 (O)	https://www.jkpolice.gov.in/jk-civil-defence
Ladakh	utdrfle@gmail.com	+91-1982-251169(O)	https://ldma.ladakh.gov.in/
Lakshadweep	lak-sop@nic.in	+91-4896-262258(O)	https://lakshadweep.gov.in/disaster-management/

Annexure - IV

State Emergency Operations Centers list

S.no.	Ministry/State	Contact Number	Email	Website
1	National Emergency Response Center, Disaster Management Division, Ministry of Home Affairs	011-23438252 011-23438253 Help Line: 011-1070	dresponse-nerc@gov.in	https://ndmindia.mha.gov.in
2	Ministry of Railways	+9123382638(O) 9717641291(M)	safetycontrolrb@gmail.com	https://indianrailways.gov.in/index1.html
3	Andaman & Nicobar Island	03192-238880	statecontrolroom@gmail.com	https://ddm.and.nic.in/
4	Andhra Pradesh	08645-246600 0863-2377119 2377120,	seoc-apsdma@ap.gov.in	http://apsdma.ap.gov.in/
5	Arunachal Pradesh	-	arun01ddm@gmail.com	https://itanagar.nic.in/disaster-management/
6	Assam	+91-361-2237219 +91-361-2237377 +91-9401044617 +91-9435-592762	sdma-assam@gov.in, statedmcontrolroomassam@gmail.com	https://asdma.assam.gov.in/
7	Bihar	+91-612-2294204 +91-612-2294205	secy-disastermgmt-bih@nic.in	https://state.bihar.gov.in/disastermgmt
8	Chandigarh (UT)	+91-1722704048	civildefence.chandigarh@gmail.com	https://chandigarh.gov.in/departments/other-departments/sdma

9	Chhattisgarh	+91-7712221242 +91-7712510593	cgrelief@gmail.com	https://sdma.cg.nic.in/
10	Dadra & Nagar Haveli Daman & Diu	91-260-2253000 +91-260-112	eoc-dnhdd@nic.in	https://ddd.gov.in/
11	Delhi	0107, 011- 23982164, 23831077	ddma1077.delhi@ nic.in	https://ddma.delhi.gov. in/
12	Goa	+91-832-2419444 +91-832-2419446	usrev1-sect.goa@ nic.in , usrev2-sect. goa@nic.in	https://sdma.goa.gov. in/
13	Gujarat	+91-79-23251900 +91-79-23251903	revcontrol1@ gujarat.gov.in	http://gsdma.org/
14	Haryana	+91-172-2545938	sdmaharyana@ gmail.com	http://hdma.gov.in/en
15	Himachal Pradesh	+91-177-2628940	seocshimla@gmail. com, sdma_hp@ nic.in	https://hpsdma.nic.in/
16	Jammu & Kashmir	-	jksdma@gmail.com; jksdma@gmail.com, pcrjammuoff@ jkpolice.gov.in; pcrkashmir@gmail. com	https://jksdma.jk.gov. in/
17	Jharkhand	+91-651-2446923	dmjharkhand@ gmail.com	https://www.jharkhand. gov.in/home
18	Karnataka	080-22340676 080-22353980	sodmrevenue@ gmail.com	https://ksdma. karnataka.gov.in/ english

19	Kerala	+91-471-2364424	keralasdma@gmail.com	https://sdma.kerala.gov.in/
20	Laddakh (UT)	+91-1982-251169 +91-1982-260887 260888	igpladakh@gmail.com	https://leh.nic.in/document-category/disaster-management/
21	Lakshadweep	+91-4896-263100	controlroomkvt@gmail.com, lk-coll@nic.in, ldmaeoc@gmail.com	https://lakshadweep.gov.in/disaster-management/
22	Madhya Pradesh	+91-755-2441419 +91-755-2527177	reliefcom@nic.in	https://mpsdma.mp.gov.in
23	Maharashtra	+91-22-22027990 +91-22-22794229	controlroom@maharashtra.gov.in; director.dm@maharashtra.gov.in	https://rfd.maharashtra.gov.in/en
24	Manipur	+91-385-2443941 +91-385-2443441	ranjitoff@gmail.com	https://manipur.gov.in/?page_id=1649
25	Meghalaya	+91364-2502098	sdmadeptt007@gmail.com	https://msdma.gov.in/
26	Mizoram	+91-389-2342520 +91-389-2335837	mizoramdmr@gmail.com, dmr.gov@gmail.com	https://dmr.mizoram.gov.in/
27	Nagaland	0370-22911200	sdma.nagaland@gmail.com, seoc.nsdma@gmail.com	https://nsdma.nagaland.gov.in/home
28	Odisha	+91-6742534177	srcodishagov@gmail.com	https://www.osdma.org/?lang=en

29	Puducherry	+91-4132253407	seoc.pon@nic.in, eocpdy@gmail.com	https://puducherry-dt.gov.in/disaster-management/
30	Punjab	0172-2740298 Civil CR- 2740397 2740936 2440035 +91-172-2720153	sccr.pd2020@gmail.com	https://revenue.punjab.gov.in/?q=floodsnatural-calamities
31	Rajasthan	+91-1412227084	relief-rj@nic.in	https://dmrelief.rajasthan.gov.in/#
32	Sikkim	+91-3592201145	ssdma01@gmail.com	https://www.ssdma.nic.in/
33	Tamil Nadu	044-28593990 044-28414513	tnstateeoc@gmail.com	https://www.cra.tn.gov.in/disaster.php
34	Telangana	040-23454088 1079, 40-23454088	instaxx@telangana.gov.in, commr_dm@telangana.gov.in	https://fire.telangana.gov.in/
35	Tripura	+91-381-2416045 +91-381-2416241	scrtripura@gmail.com	https://tdma.tripura.gov.in/
36	Uttarakhand	+91-135-2710334	seoc.dmmc@gmail.com	https://usdma.uk.gov.in/
37	Uttar Pradesh	+91-522-2235083	rahat@nic.in	https://upsdma.up.nic.in/
38	West Bengal	+91-33-22143526 22141378(F)	wbdmeoc@gmail.com	http://wbdmd.gov.in/Pages/Default.aspx

Annexure - V

List of State Disaster Management Authorities

S. No.	States	Office Address	Email	Contact No.
1	Andhra Pradesh	Andhra Pradesh State Disaster Management Authority D.No:21/2B Pathuru Cross Road Centre Kunchanpalli (PO) Tadepalli Mandal Guntur District Andhra Pradesh-522501	commr_relief_rev@ap.gov.in	0863-2377099 0863-2377105
2	Arunachal Pradesh	Directorate of Disaster Management Daying Ering Colony Itanagar -791111	dcitanagar@gmail.com, dani.salu@gov.in danisulu@gmail.com	0360-2215581
3	Assam	Assam State Disaster Management Authority Ancillary Block, Janata Bahawan Dispur Guwahati-781006	sdma-assam@gov.in, statedmcontrolroomassam@gmail.com	0361-2237221
4	Bihar	Bihar State Disaster Management Authority Sardar Patel Bhawan 5 th Floor, D & E Block Nehru Path (Bailey Road) Patna, Bihar-800023	info@bsdma.org	0612- 2547232
5	Himachal Pradesh	Himachal Pradesh State Disaster Management Authority Disaster Management Cell, HP Secretariat, Shimla -171002	sdma-hp@nic.in	0177-2880321, 2880320, 2621022
6	Jharkhand	Disaster Management Authority, T. A. Division Building Near Gol Chakkar, Dhurwa, Ranchi, Jharkhand - 834004	dmjharkhand@gmail.com, sec-home-jhr@nic.in,	0651- 2400220, 2400700

7	Karnataka	Revenue Department (Disaster Management) Karnataka State Natural Disaster Monitoring Centre, Major Sandeep Unnikrishnan Road, Near Attur Layout, Yelahanka, Bangalore - 560 064	secy.dm@gmail. com director@ ksndmc.org, dmc. kar@gmail.com	080- 67355000, 22032995 22032495
8	Kerala	Kerala State Disaster Management Authority, Observatory Hills, Vikas Bhavan P.O. Kerala, Thiruvananthapuram- 695033	seoc.gok@gmail. com, Keralasdma@ gmail.com, sdma. kerala.gov.in commissioner dmkerala@gmail. com	471-2364424 2778888
9	Madhya Pradesh	Madhya Pradesh State Disaster Management Paryavaran Parisar E-5, Arera Colony, Bhopal-462016	secyhomep@ mp.gov.in, ed@ mp.gov.in, dmi@mp.gov.in reliefcom@mp.nic. in, mpstatecoord. sdma@mp.gov.in	-
10	Manipur	Directorate of Relief & Disaster Management, Babupara, DC complex, Imphal West, Manipur-795001	seocmanipur@ gmail.com cs-manipur@nic.in, secymanipurdm@ gmail.com	0385-2451144 , 2450064
11	Meghalaya	State Disaster Management Authority, Meghalaya, Shillong-793001	comsecy.sg.gom@ gmail.com, sdmadeptt-meg @gov.in,	0364-2223509
12	Mizoram	Disaster Management & Rehabilitation P.O Vaivakawn, Chawnpui Aizawl - 796009	mizoramdmr@ gmail.com, secydmr123@ gmail.com	0389 2342520

13	Nagaland	Nagaland State Disaster Management Authority, Civil Secretariat Kohima-797001	sdma.nagaland@gmail.com, nsdma.nagaland@gmail.com	0370-2270050
14	Odisha	Odisha State Disaster Management Authority Rajiv Bhawan Unit V, Odisha Bhubaneswar-751001	osdma@osdma.org, md@osdma.org	0674-2395398, 2395531
15	Sikkim	Sikkim State Disaster Management Authority, Land Revenue and Disaster Management Department, Tashiling Secretariat, Block-B Gangtok, Sikkim- 737101	directorssdma@gmail.com	03592201145
16	Tamil Nadu	Tamil Nadu State Disaster Management Authority, Ezhilagam, Chepauk, Chennai-600005	tnsdma.director@gmail.com tnsdma@tn.gov.in	044-28528745, 044-28523299
17	Tripura	Tripura Disaster Management Authority 1 st Floor, New Capital Complex, Secretariat, Tripura Agartala-799001	secydws. sanitation2023@gmail.com	0381 241 3357, 2418053, 2416045
18	Uttar Pradesh	UPSDMA, Pick up Bhawan, Vibhuti Khand, Gomtinagar Uttar Pradesh-226001	upsdma@gmail.com	0522-2306882, 2306823, 2723950,

19	Delhi	Delhi Disaster Management Authority (DDMA) 5, Sham Nath Marg Prema Kunj, Civil Lines Delhi, 110054	specialceo-dm@delhi.gov.in singh.sushil@gov.in	23930611, 23928860, 011- 23936477
20	Lakshadweep	Kavaratti UT of Lakshadweep Kavaratti -682555	secretary-utl1@utl.gov.in ldmaeoc@gmail.com	4896263725
21	Gujarat	Gujarat State Disaster Management Authority Block No. 11, 5 th Floor, Udyog Bhawan Sector-11 Gandhinagar- 382011	ceo@gsdma.org info@gsdma.com	079--23259276, 23259275 23259302 23259246
22	Puduchery	I -Floor, New Revenue Complex,Vazhudavoor Road, Pettaiyanchathiram Puducherry- 605 009	dcrev.pon@nic.in	0413-2299502
23	Punjab	Department Revenue Rehabilitation and Disaster Management 3 rd Floor, Punjab Civil Secretariat-1, Sector 1 Chandigarh - 160001	fcr@punjab.gov.in	0172-2743854
24	Uttarakhand	Uttarakhand State Disaster Management Authority 36, IT Park, Dehradun Uttarakhand-248001	usdmauttara khand@gmail.com	0135-2710334 0135-2659850
25	Goa	Goa State Disaster Management Authority Administrative Block Secretariat, Alto-Porvorim Goa-403501	sdma.goa.gov.in, cs-go@nic.in	0832- 2419550,0832 2419446

26	West Bengal	West Bengal Disaster Management & Civil Defence Department Nabanna, 2 nd Floor, 325 Sarat Chatterjee Road Mandirtala, Shibpur, Howrah -711102	ps.dmd-wb@nic.in, secrelief@wb.gov.in	2214-3674
27	Andaman & Nicobar Islands	Directorate of Disaster Management Anticorruption Building 2nd Floor, Link Road Goal Ghar Port Blair 744 101	ddm.and@nic.in, dirdmani@gmail.com	03192- 241774
28	Chandigarh	UT of Chandigarh Estate Office Building Sector 17 Chandigarh-160017	dc-chd@nic.in	0172-2700109
29	Leh -Ladakh	Ladakh Disaster Management Authority, Civil Secretariat, Leh-Ladakh Pin-194101	admsecyut@gmail.com	01982-255567
30	J & K	Civil Secretariat Srinagar-190008	dmrrr-sec@jk.gov.in	0191- 2545535, 2545725(Jammu) 0194-2506462, 2506418 (Srinagar)
31	Telangana	Telangana Disaster Response Fire Services O/o Director General Telangana Disaster Response and Fire Services, Beside IRDA Nanakramguda Financial District, Hyderabad Telangana-500032	dg-fireservices@telangana.gov.in,	

32	Rajasthan	Disaster Management Relief & Civil Defence of Secretariat, Jaipur-302005	relief-rj@nic.in	0141-2227084
33	Maharashtra	Maharashtra State Disaster Management Authority Room No. 101 1 st Floor Main Building, Mantralaya Mumbai-40032	director.dm@maharashtra.gov.in	
34	Haryana	Haryana, Revenue & Disaster Management Department Room No. 429, 4 th Floor, New Haryana Secretariat, Sector-17 Chandigarh-160017	secretaryrevenue2@gmail.com	0172-2704453

Annexure - VI

List of important institutions and suggestive sites for field visit

Organisation	Address	Contact number(s)	Email	Website
National Disaster Management Authority	NDMA Bhawan, A-1 Safdarjung Enclave New Delhi - 110029	+91-11-26701700	controlroom@ndma.gov.in	https://ndma.gov.in/
National Institute of Disaster Management	NIDM, Delhi Plot No. 15, Pocket-3 Block-B, Sector-29 Rohini, Delhi – 110042 NIDM, Vijayawada (South Campus) Kondapavaluru Village Gannavaram Mandal Krishna District Andhra Pradesh 521212	011-20873412	info[dot] nidm[at] nic[dot]in	https://nidm.gov.in/
Geological Survey of India (GSI)	27 Jawaharlal Nehru Road, Kolkata 700016 West Bengal (gsi.gov.in)	Tel: 033-2252 1779 / 033-2252 1714	nmh4@gsi.gov.in (lands-slides nodal) (bhusanket.gsi.gov.in)	https://www.gsi.gov.in
India Meteorological Department (IMD)	Mausam Bhawan Lodi Road New Delhi - 110003	Tel: 011-24344253 / 011-24344599	ananda.das@imd.gov.in (and duty-officer cyclone: cyclonewarningdivision@gmail.com) (Mausam)	https://mausam.imd.gov.in
Indian National Centre for Ocean Information Services (INCOIS)	“Ocean Valley” Pragathi Nagar (BO) Nizampet (SO) Hyderabad - 500090 Telangana	Tel: +91-40-23886000	webmaster@incois.gov.in (incois.gov.in)	https://www.incois.gov.in

Wadia Institute of Himalayan Geology (WIHG)	33 GMS Road Near Ballapur Chowk, Dehradun 248001/248171 Uttarakhand	Tel: +91-135-2525555 also +91-135-2525109	director@ wihg.res.in / registrar@ wihg.res.in (wihgnew. wihg.res.in)	https://www.wihg.res.in
Indian Institute of Remote Sensing (IIRS)	4 Kalidas Road, P.O. Box No 135, Dehradun - 248001, Uttarakhand	Tel: +91-135-2524103	director@iirs. gov.in (iirs. gov.in)	https://www.iirs.gov.in
Survey of India (SOI)	O/o The Surveyor General of India Post Box No. 37 Survey of India, Hathibarkala Estate Dehradun – 248001 (Uttarakhand)	Tel: +91-135-2743331 +91-135-2744064	helpdesk. soi@gov.in	https://www.surveyofindia.gov.in
Indian Space Research Organisation (ISRO)	Headquarters: Antariksh Bhavan New BEL Road Bengaluru – 560 094 (Karnataka)	+91 80 22172119	isropr[at] isro[dot] gov[dot]in	https://www.isro.gov.in
National Remote Sensing Centre (NRSC)	Balanagar Hyderabad, Telangana (Head office)	04023879572 9573/9574	feedback@ nrsc.gov.in	https://www.nrsc.gov.in
Central Water Commission (CWC)	3 rd Floor (South) Sewa Bhawan R.K. Puram, Sector-1 New Delhi – 110066	+91-11-26187232(0)	secy-cwc[at] nic[dot]in	https://cwc.gov.in/en/
Smritivan Earthquake Memorial and Museum	Bhujio Dungar, Bhuj Kutch – 370020 Gujarat	Tel: +91-635-719-9991	smritivankut@ gmail.com	https://www.smritivanearthquakemuseum.com
8 th Battalion NDRF	Kamla Nehru Nagar Ghaziabad(UP) Pin - 201002	0120-2766618	up08-ndrf[at] nic[dot]in	NA

Glossary

- **BIS:** Bureau of Indian Standards
- **CBRN:** Chemical, Biological, Radiological and Nuclear
- **CPR:** Cardiopulmonary Resuscitation
- **CWC:** Central Water Commission
- **DDMA:** District Disaster Management Authority
- **DEOC:** District Emergency Operations Centre
- **GSI:** Geological Survey of India
- **HEI:** Higher Education Institution
- **HVCR:** Hazard, Vulnerability, Capacity and Risk
- **IEC:** Information, Education and Communication
- **IHIP:** Integrated Health Information Platform
- **IMD:** India Meteorological Department
- **INCOIS:** Indian National Centre for Ocean Information Services
- **IRS:** Incident Response System
- **ISRO:** Indian Space Research Organisation
- **NCC:** National Cadet Corps
- **NDMA:** National Disaster Management Authority
- **NDRF:** National Disaster Response Force
- **NIDM:** National Institute of Disaster Management
- **NSS:** National Service Scheme
- **ORS:** Oral Rehydration Solution
- **SAFAR:** System of Air Quality and Weather Forecasting and Research
- **SDG:** Sustainable Development Goals
- **SDMA:** State Disaster Management Authority
- **UMANG:** Unified Mobile Application for New-age Governance
- **WASH:** Water, Sanitation and Hygiene



Resilient India - Disaster free India

National Institute of Disaster Management

(Ministry of Home Affairs, Government of India)

Plot No. 15, Pocket 3, Block B, Sector 29, Rohini, Delhi 110042
Website : <https://nidm.gov.in>

Website: <https://nidm.gov.in>



/nidmmhaindia



/nidmmhaindia



/nidmmhaindia



/nidmindia



/nidmmhaindia

Guidance Note on Establishing Disaster Risk Reduction (DRR) Clubs in Higher Education Institutions

1. Background: Work of NIDM and IUINDRR

The **National Institute of Disaster Management (NIDM)**, Ministry of Home Affairs, Government of India, is mandated to plan and promote training, research, documentation, and capacity building in disaster risk reduction (DRR) and disaster management (DM). NIDM works closely with state governments, universities, training institutes, and international organisations to strengthen resilience at all levels.

The **Indian Universities and Institutions Network for Disaster Risk Reduction (IUINDRR)** established in 2021 under the aegis of NIDM, serves as a platform to integrate DRR and DM into higher education, promote research and innovation, and engage youth in building resilience. IUINDRR has been working to mainstream DRR into academia through curriculum development, research partnerships, and awareness initiatives.

2. Need for Mainstreaming Disaster Risk Reduction in Higher Education

India's vulnerability to multiple hazards underscores the urgency of building disaster-resilient communities. Higher Education Institutions (HEIs) play a critical role in creating informed and capable citizens. By mainstreaming DRR and DM into academic spaces, institutions can:

- Build awareness among students across disciplines.
- Equip youth with practical skills for preparedness and response.
- Encourage community-driven resilience initiatives.
- Contribute to the national agenda of sustainable development and risk-informed growth.

The establishment of DRR Clubs in HEIs provides an institutional mechanism to systematically engage students and faculty in advancing this agenda.

3. About DRR Clubs

Membership:

- Open to students of all disciplines and levels (UG, PG, PhD).
- Faculty members across departments are encouraged to support the initiative.

Structure:

- One **nodal faculty member** should be designated to coordinate the club.
- A small team of **additional faculty members** may be involved as advisors.

- The club should operate in an **activity-based learning** mode, encouraging student-led initiatives under faculty guidance.
- Collaboration with local authorities, disaster management agencies, and civil society organisations is encouraged.

4. Suggestive Activities

1. Hands-on Training & Capacity Building

- Organize **First Aid & CPR training** in collaboration with health professionals.
- Conduct **fire safety drills and earthquake preparedness workshops** with local emergency responders.
- Arrange **disaster simulation exercises** to educate students on effective response strategies.
- Join NIDM e-learning courses for capacity building through <https://elearning.nidm.gov.in/local/home/index.php>
- Join DRR courses on I-GOT through <https://www.igotkarmayogi.gov.in/>

2. Local Planning & Risk Assessment

- Assist in **campus vulnerability mapping** for identifying high-risk zones.
- Facilitate discussions on the **institution's Disaster Management Plan (DMP)** and suggest improvements.
- Organize **awareness campaigns** on early warning systems and evacuation protocols.

3. Disaster Awareness through Interactive Activities

- Host **documentary screenings** on earthquake resilience, climate change, and community preparedness.
- Conduct **poster-making competitions** and **thematic quizzes** on disaster risk reduction (DRR).
- Develop **interactive models** showcasing flood-resistant housing, earthquake-resistant structures, etc.

4. Sustainability and Climate Action

- Lead **tree plantation drives** and create **green belts** on campus.
- Promote **waste segregation, composting, and upcycling initiatives** to reduce waste generation.
- Implement **water conservation projects**, such as rainwater harvesting demonstrations.

5. Emergency Preparedness and Response

- Organize **mock drills** for fire, earthquake, and chemical hazards in coordination with disaster response agencies.
- Train students on **crowd management and emergency communication** in case of a disaster.
- Develop **eco-club emergency response teams** to assist in campus safety measures.

6. Any other activities suggested by DoHE, MoE

5. Financials

There will be **no financial support from NIDM** for establishing or operating DRR Clubs. Institutions are expected to utilise their own resources and may integrate activities into existing student clubs or societies in line with extant norms.

6. Level of Training and Activities

- **Within Institutions:** Hands-on training, capacity-building workshops, simulation exercises, and integration of DRR themes into student activities.
- **Community Involvement:** Outreach activities in nearby communities, awareness campaigns in schools, collaboration with local disaster management authorities (DDMAs/SDMAs).

7. Resources

For reference and resource materials, institutions may consult:

- **NIDM official website:** www.nidm.gov.in (Publications tab)
- **NDMA official website:** www.ndma.gov.in (Resources tab)

8. Special Note

- i. These guidelines are only suggestive; universities and institutions may adapt or modify them as per their resources and capacity
- ii. In line with the UGC's directive for a **2-credit Skill Enhancement Course on Disaster Management**, NIDM is developing a **model curriculum for undergraduate level**, which will be released shortly and may be adopted by institutions alongside DRR Club activities.

Suggestive Model Structure / Charter for DRR Clubs in HEIs

Aims & Objectives:

- To create awareness on disaster risks and promote a culture of safety and resilience within the campus.
- To provide students with hands-on training and exposure to disaster preparedness, response, and recovery practices.
- To engage students and faculty in community outreach and risk reduction initiatives.
- To integrate sustainability, climate action, and resilience-building into student activities.

Membership:

- Open to all students of the institution irrespective of discipline.
- Voluntary student participation encouraged.
- At least one nodal faculty coordinator and two faculty advisors to guide the club.

Structure & Governance:

- **Patron:** Head of Institution (e.g., Vice Chancellor/Principal/Director).
- **Faculty Coordinator:** One designated nodal faculty member.
- **Advisory Team:** 2–3 faculty members from different disciplines.
- **Student Core Committee:** President, Vice-President, Secretary, Treasurer, and Activity Coordinators (elected or nominated annually).

Mode of Functioning:

- Activity-based learning through workshops, simulations, awareness campaigns, and community outreach.
- At least **one major activity/event per semester** and smaller periodic engagements.
- Collaboration with local DDMA/SDMA, NCC/NSS units, and community-based organisations encouraged.

Reporting & Documentation:

- Annual activity plan to be prepared at the beginning of the academic year.
- Documentation of activities, reports, and outcomes to be submitted to the Head of Institution.
- Participation in IUINDRR-NIDM initiatives may be encouraged.