



सत्यमेव जयते



Resilient India - Disaster Free India



*3-day Online Training Program*  
on  
**Science, Technology & Innovation (STI)**  
role in DRR policies and strategies

**Date: 30 January 2023 – 01 February 2023**

**Timings: 11:00 AM - 01:00 PM**

**Jointly Organized by**

National Institute of Disaster Management  
(NIDM)

Ministry of Home Affairs, Govt. of India  
Plot no. 15, Pocket-3, Block-B, Sector-29  
Rohini, Delhi -110042

&

DST- Centre for Policy Research (CPR)  
Panjab University (PU)  
Chandigarh-160014

<https://cpr.puchd.ac.in>



## **NATIONAL INSTITUTE OF DISASTER MANAGEMENT (NIDM)**

The National Institute of Disaster Management (NIDM) was constituted under an Act of Parliament with a vision to play the role of a premier institute for capacity development in India. The efforts in this direction which began with the formation of the National Centre for Disaster Management (NCDM) in 1995 gained impetus with its re-designation as the National Institute of Disaster Management (NIDM) for training and capacity development. Under the Disaster Management Act 2005, NIDM has been assigned nodal responsibilities for human resource development, capacity building, training, research, documentation and policy advocacy in the field of disaster management. NIDM has multi-disciplinary core team of professionals working in various aspects of disaster management. In its endeavor to facilitate training and capacity development, the institute has state of the art facilities like classrooms, seminar hall and video-conferencing facilities. The institute has a well-stocked library exclusively on the theme of disaster management and mitigation. The institute provides training in face to face, online and self-learning mode as well as satellite based training.



## **Panjab University, Chandigarh**

Panjab University (PU) is one of the premier education institutes in India. It is over 135 years old and has more than 100 Departments/Centres catering to all streams of education. Many of the departments of PU have programs that are funded by the Government agencies, including the DST, DBT, CSIR, ICMR, IICAR, University Grants Commission (UGC), etc. Nearly 200 research projects that are funded by national funding agencies and the private sector. It has established a Centre for Policy Research (DST-CPR) supported by DST, GoI to undertake evidence-based policy research in science, technology and innovation domains. It contributes to developing science and technology policies in the northern part of India and provides capacity-building initiatives for intellectual property and industry-academia liaison. PU also has a well-established 'Centre for Industry Institute Partnership Programme (CIIPP)'. The Centre promotes industrial tie-ups, helps file patents by the faculty, provides financial support for patent filing, and holds workshops on Intellectual Property Rights (IPR) issues. The Technology Enabling Centres (TEC) has been awarded to PU to enhance university- industry linkages. PU has created a Knowledge Cluster in Chandigarh, christened as Chandigarh Region Innovation and Knowledge Cluster (CRIKC).



## Background of the Program

India is a sacred country in terms of vast geographic extent, physical, economic and sociocultural diversity. However, it is among the world's most disaster-prone countries with 27 of its 29 states and seven union territories exposed to recurrent natural hazards such as cyclones, earthquakes, landslides, floods and droughts; making the country and its population even more vulnerable. As well as affecting the livelihood and economy by large. Science, Technology and Innovation (STI) which play a crucial role in the Sendai Framework for Disaster Risk Reduction 2015-2030; is emerging as a very important area that can play a crucial role in the domains of disaster preparedness, disaster mitigation, response, early warning system, etc. at national level. In India, scads of innovations are going on already at a good pace that are focusing on long term, technological, infrastructural solutions. However, the need of an effective system for channelizing these innovations is required so that these solutions can be utilized effectively. Based upon this system, a robust database and explicit district disaster management plan could be built up which can enable to take prompt and measured decisions. Hence, a need is felt to incorporate science, technology, and innovation into disaster risk reduction policies and strategies at national level hence understanding importance of STI in DRR. As such towards disaster risk management at states at different levels, the finance and insurance agencies, planning agency and state government etc.

Science, Technology & Innovation (STI) role in disaster risk reduction policies and strategies should focus around priority areas as highlighted in SFDRR i.e., to understand risk, duration, scale and impacts and ensure scientific rigor. It should highlight the conventional and nonconventional technologies that can be useful for disaster preparedness as well as disaster mitigation. Further, STI role towards understanding the socio-economic effect of disaster should be explored; as such integration of STI with social sciences is required. Hence, capacity building- education and training must be a one of the paths that should be take up to make one aware of the role of STI in DRR to build community preparedness as well as to facilitate research activities in disaster risk reduction. These activities will result in creating networks of technical experts as well as in enhancing knowledge and producing materials and technologies to help decision-makers and stakeholders build or strengthen their capacities in disaster risk management.



## About the Program

DST- Centre for Policy Research (CPR), Panjab University, Chandigarh with support from the National Institute of Disaster Management (NIDM) will be conducting three-day online training cum awareness program to disseminate the knowledge about Science, Technology & Innovation (STI) and its related policies at national level and hence STI role in disaster risk reduction policies and strategies. The training will be conducted via online platform. The topic will be “**Science, Technology & Innovation (STI) role in disaster risk reduction policies and strategies**”. It is scheduled from 30 January 2023 to 01 February 2023. Timings will be 11:00 AM to 01:00 PM. The training program will bring together domain experts, members of academia and key stakeholders on a common platform to deliberate, share, exchange and disseminate knowledge to a larger audience.



## Objectives of the Program



*Introduction to the training program and understanding the concept*



*Technology advancements and innovations for DRR*



*STI backed strategies for DRR*



## Program Team



### **PROGRAM CHAIRPERSONS**

- Shri Taj Hassan, IPS, Executive Director, NIDM
- Dr. Renu Vij, Vice Chancellor, Panjab University, Chandigarh



### **PROGRAM DIRECTORS**

- Prof. Santosh Kumar, Head, GiDRR Division, NIDM
- Prof. Kashmir Singh, Coordinator, DST-CPR, PU



### **PROGRAM COORDINATORS**

- Mr. Vivek Sharma, Young Professional, NIDM
- Mr. Ali Haider, NIDM, MHA, GoI, New Delhi
- Dr. Sukhdeep Kaur, Scientific Officer, DST-CPR, PU



## IT Support

IT Team, Panjab University, Chandigarh



## Training Program Registration Details

- The training program would be conducted on Webex Platform.
- Interested participants may register through the Program registration link: <https://training.nidm.gov.in/>.
- The link to join the training program will be available on the NIDM portal and would be sent to the registered participant email address.



## Participants

- Students and Faculty members from academic institutions.
- State Disaster Management Authority (SDMA) across the nation.
- NGO's and Voluntary organizations.

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*Post successful completion of session, the participants shall be provided with a certificate.*



## TRAINING SESSION SCHEDULE | 30th - 01 Feb, 2023

**DAY 1: 30th Jan 2023**

SESSION	RESOURCE PERSONS	TIME AND DURATION
<b>Introduction &amp; Welcome</b>	Dr. Sukhdeep Kaur DST-CPR, PU	11:00AM - 11:05AM
<b>Brief of the Program</b>	Mr. Ali Haider NIDM, MHA, GoI	11:05AM - 11:15AM
<b>Keynote Address</b>	Prof. Santosh Kumar, Head, GiDRR Division, NIDM	11:20AM - 11:25AM
<b>Inaugural Address</b>	Shri Taj Hassan, IPS, Executive Director, NIDM	11:25AM - 11:30AM
<b>Special Address</b>	Prof. Kashmir Singh, Coordinator, DST-CPR, PU	11:15AM - 11:20AM
<b>Technical Session-1</b>	Ms. Perminder Jit Kaur IISc, Bangalore	11:30AM - 12:00PM
<b>Technical Session-2</b>	Dr. Suryesh K Namdeo United Nations Office for Disarmament Affairs	12:00 PM - 12:30PM
<b>Open House (Q &amp; A)</b>	Dr. Sukhdeep Kaur DST-CPR, PU	12:30PM - 12:40PM
<b>Vote of Thanks</b>	Dr. Sukhdeep Kaur DST-CPR, PU	12:40PM - 01:00PM



## TRAINING SESSION SCHEDULE | 30th - 01 Feb, 2023 DAY 2: 31st Jan 2023

SESSION	RESOURCE PERSONS	TIME AND DURATION
<b>Recap of Day 1</b>	Dr. Sukhdeep Kaur DST-CPR, PU	11:00AM - 11:05AM
<b>Welcome Address</b>	Mr. Prabhjyot Singh NIDM, MHA, GoI	11:05AM - 11:15AM
<b>Technical Session-3</b>	Ms. Namrata Sarmah State Museum Guwahati	11:15AM - 11:45AM
<b>Technical Session-4</b>	Ms. Sonam Gupta Contributing editor Interior Exterior and proprietor lifestyle designs	11:45AM - 12:15PM
<b>Open House (Q &amp; A)</b>	Moderator: Mr. Prabhjyot Singh NIDM, MHA, GoI	12:45PM - 12:55PM
<b>Vote of Thanks</b>	Dr. Sukhdeep Kaur DST-CPR, PU	12:55PM - 01:00PM





## TRAINING SESSION SCHEDULE | 30th - 01 Feb, 2023

### DAY 3: 01 Feb 2023

SESSION	RESOURCE PERSONS	TIME AND DURATION
<b>Recap of Day 1&amp; 2</b>	Dr. Sukhdeep Kaur, DST-CPR, PU	11:00AM - 11:05AM
<b>Welcome Address</b>	Ms. Shipra Das NIDM, MHA, GoI	11:05AM - 11:15AM
<b>Technical Session-3</b>	Ms. Nidhi Singh IISc, Bangalore	11:15AM - 11:45AM
<b>Technical Session-4</b>	Mr. Shahzad Ahmed Malik McGAN'S Ooty School of Architecture, Tamil Nadu	11:45AM - 12:15PM
<b>Open House (Q &amp; A)</b>	Moderator: Ms. Shipra Das NIDM, MHA, GoI	12:15 PM - 12:25 PM
<b>Valedictory Address</b>	Prof. Kashmir Singh, Coordinator, DST-CPR, PU	12:25 PM - 12:35 PM
<b>Concluding Remarks</b>	Prof. Santosh Kumar, Head, GiDRR Division, NIDM	12:35 PM - 12:45 PM
<b>Vote of Thanks</b>	Dr. Sukhdeep Kaur DST-CPR, PU	12:45PM - 01:00PM