



## TRAINING REPORT

### Five Days Workshop-Cum-Training Program



ON

### **“Enhancing Human Capacity To Deal With The Public Health Emergencies During Disaster Situations Like Earthquakes, Landslides And Flash Flood In Sikkim”**

Organized by

**Geo-meteorological Risk Management Division  
through Indian Universities and Institutions Network on Disaster  
Risk Reduction (IUINDRR),  
National Institute of Disaster Management (NIDM)  
Ministry of Home Affairs (MHA), Govt. of India**

In collaboration with

**Sikkim Professional University, Tadong Gangtok – Sikkim**

18<sup>th</sup> March to 22<sup>nd</sup> March 2024





**Five Days Workshop-Cum-Training Program  
On  
“Enhancing Human Capacity To Deal With The Public Health  
Emergencies During Disaster Situations Like Earthquakes,  
Landslides And Flash Flood In Sikkim.”**

**Organized by  
Geo-meteorological Risk Management Division  
through Indian Universities and Institutions Network on Disaster  
Risk Reduction (IUIINDRR),  
National Institute of Disaster Management (NIDM)  
Ministry of Home Affairs (MHA), Govt. of India**

In collaboration with

**Sikkim Professional University, Tadong Gangtok – Sikkim**

**18<sup>th</sup> March to 22<sup>nd</sup> March 2024**

**Venue: Seminar Hall Sikkim Professional University,  
Tadong Gangtok - Sikkim**



### Group Photo @ SPU



## Preface

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. The Indian Universities and Institutions Network on Disaster Risk Reduction (IUINDRR-NIDM) has been established by NIDM pursuant to Government of India directions and more specifically in conformity to the agenda-6 of the 10 point agenda for Disaster Risk Reduction (DRR) by the Honorable Prime Minister of India, regarding Global issues on Climate Change Adaptation (CCA), Sendai Framework for Disaster Risk Reduction (2015- 2030), and Sustainable Development Goals(SDG), for promoting education, innovative technology and research, facilitate capacity development, and contribute to decision making for addressing local risks and the needs of the most vulnerable sections of community affected by various disasters. IUINDRR-NIDM envisions in building nations and communities safety and resilient to disasters, through education, knowledge creation, research, technology, and dissemination of knowledge. The network also aims to exchange information among the universities and develop a pool of experts in the areas of disaster management.

The Sikkim Professional University Act (321 of 2008) passed by State Houses of Parliament. It was published in the Gazette of Sikkim (Extraordinary) on July 30th, 2008 together with the First Schedule of the Act incorporating the Statutes of the University. The objectives of the University, as laid down in the act, are "to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to pay special attention to the improvement of the social and economic conditions and welfare of the people of the hill areas of the Sikkim region, and in particular, the intellectual, academic and cultural advancement."

Sikkim Professional University hosted the Five Days Workshop-Cum-Training Program, "On Enhancing Human Capacity to Deal With The Public Health Emergencies During Disaster Situations Like Earthquakes, Landslides And Flash Flood In Sikkim". The Programme was a comprehensive initiative aimed at equipping educators and scholars from the Sikkim state of India with the knowledge and skills necessary to effectively address and mitigate the challenges posed by natural disasters. This program recognized the unique geographical and environmental vulnerabilities of the Sikkim state and empowered academic professionals to play a pivotal role in disaster risk reduction. Through a combination of theoretical sessions, practical exercises, and interactive workshops, participants gained a deeper understanding of disaster risk management, resilience-building, and the integration of disaster risk reduction into educational curricula. By fostering a community of knowledgeable and proactive academicians, this program ultimately achieved the enhancement in disaster preparedness, response, and recovery efforts in the Sikkim region, contributing to the overall safety and well-being of its inhabitants while promoting sustainable development. This initiative reflects a commitment to harnessing the intellectual and academic potential of the region to inspire innovative solutions and policies for disaster risk reduction, ultimately reducing the impact of natural disasters on the communities of Sikkim - India.

**TABLE OF CONTENTS****Page No**

<i>Brochure</i>	1
<i>About NIDM</i>	2
<i>About IUINDRR-NIDM</i>	
<i>About the University (Sikkim Professional University)</i>	4
<i>Faculty Profile</i>	6
<i>Expert Facilitator</i>	7
<i>About the Training Programme</i>	9
<i>Detailed Programme Schedule</i>	11
<i>Training Summary</i>	14
<i>Thematic Sessions</i>	16
<i>Summary Report</i>	22
<i>Media Coverage</i>	24
<i>List of Participants</i>	26
<i>Course Feedback</i>	29
<i>Key Takeaway of the Training Programme</i>	30
<i>Organizing Team</i>	32
<i>Inaugural Session</i>	33
<i>GROUP Exercise</i>	34
<i>Feedback from the Participants</i>	38
<i>Vote of Thanks</i>	39

## BROCHURE

### Training Methodology:

- Lecture-cum-Discussion
- Presentation of case Study
- Group Discussion
- Field Study
- Audio-Visual Show

### Topics to be covered:

- Conceptual Framework of Disaster Management
- Disaster Profile of India with special reference to Sikkim - India
- Disaster Preparedness Planning, Resilience and long term mitigation
- Application of Geo-Informatics in Disaster Management
- Foundation Course curriculum on DRR
- Regional Issues of Disaster Risk Reduction

### Course Fee, accommodation and other arrangements:

There is no course fee for the programme. Lodging and Boarding are to be provided to the participants in the SPU Guesthouses during the period of training programme.

### Duration of the Programme:

Five days: 18<sup>th</sup> March to 22<sup>nd</sup> March 2024

### Participants:

Faculty Members and Professionals of Nursing, Physiotherapy, Pharmacy & Medical Lab Technologists of Universities/Institutions of Sikkim - India

### Nominations:

The nominations are invited from each university of north-eastern region from any stream. The Vice-Chancellor/Registrar of the concerned university is to nominate two faculties (Assistant Professor/Associate Professor) to participate in the programme. After the completion of programme, trained faculties are to impart training on foundation course on DRR to other academicians in their respective universities.

Nomination letter duly signed by VC/ Head of the institute shall be emailed to:

[vc.spu@spu.ac](mailto:vc.spu@spu.ac)  
cc: [ymsu.examsection@gmail.com](mailto:ymsu.examsection@gmail.com)

For any query, please contact to:

1. Prof. H.S Yadav  
Vice Chancellor  
Sikkim Professional University,  
Tadong, Gangtok  
Ph: 9774015099

### Sikkim Professional University

10A N.H. Metro Point, Tadong, Gangtok East Sikkim,  
Tel. 7827973845  
Cell- 9774015099

E-mail: [vc.spu@spu.ac](mailto:vc.spu@spu.ac)



### "Workshop-Cum-Training Program On Enhancing Human Capacity To Deal With The Public Health Emergencies During Disaster Situations Like Earthquakes, Landslides And Flash Flood In Sikkim."

18<sup>th</sup> March to 22<sup>nd</sup> March 2024



### Organized by

Indian Universities and Institutions Network on Disaster Risk Reduction (IUINDRR-NIDM)  
National Institute of Disaster Management (NIDM)  
Ministry of Home Affairs (MHA), Govt. of India

in collaboration with

**Sikkim Professional University,**  
Tadong , Gangtok , Sikkim ,India

### Backdrop:

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 and the region. The efforts in this direction that 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.

The Indian Universities and Institutions Network on Disaster Risk Reduction (IUINDRR) has been established by NIDM, pursuant to Government of India directions and more specifically in conformity to the agenda-6 of the 10 point agenda for Disaster Risk Reduction (DRR) by the Honorable Prime Minister of India regarding Global issues on Climate Change Adaptation (CCA), Sendai Framework for Disaster Risk Reduction (2015-2030), and Sustainable Development Goals (SDG), for promoting education, innovative technology and research, facilitate capacity development, and contribute to decision-making for addressing local risks and the needs of the most vulnerable sections of community affected by various disasters.

IUINDRR-NIDM envisions in building nation and communities safe and resilient to disasters, through education, knowledge creation, research, technology and dissemination. The network also aims to exchange information among the universities and develop a pool of experts in the areas of disaster management.

The objectives of the University, as laid down in the act, are "to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to pay special attention to the improvement of the social and economic conditions and welfare of the people of the Sikkim state, and in particular, the intellectual, academic and cultural advancement".

### Need of the programme:

In order to act upon the direction led by the Hon'ble Prime Minister of India, NIDM took step forward under the India Universities and Institution Network (IUINDRR-NIDM) and formulated model curriculums on Disaster Risk Reduction and Management. For the first time, experts came up at one platform from across the country and in consultation of academia, model curriculums at UG & PG level have been developed. The objective of these curriculums is to train students on the issues related to disaster management. The proposed model curriculums of Foundation Course on Disaster Risk Reduction which has included elements of disaster related issues to build the knowledge, skills and capacity of the young generation to achieve National objective of 10 point agenda -6 of Hon'ble Prime Minister of India. UGC also has sent notification to every University and College vide D.O No. 2-9/2022 (CPP-II), dated 24th February, 2022 to implement DRR courses in their curriculums. Hence, to build the capacity of academicians of North-East region on "Foundation/Multi-disciplinary Course Curriculum" which has to be integrate with every stream of Higher Education, IUINDRR-NIDM organizes "Regional Capacity Development Programme on

Disaster Risk Reduction". Such trainings will help to develop a culture of more sensitive, accurate and holistic disaster preparedness. In the long run, this will help to develop more resilient communities as the next generation will become better trained.

It is in the above context, in order to develop the capacity of academicians/ professionals on Disaster Risk Reduction at regional platform, IUINDRR-NIDM, National Institute of Disaster Management, MHA, GOI is proposing 5 days offline Regional Capacity Development training programme in collaboration with Sikkim Professional University on "Workshop-Cum-Training Program On Enhancing Human Capacity To Deal With The Public Health Emergencies During Disaster Situations Like Earthquakes, Landslides And Flash Flood In Sikkim" during 18<sup>th</sup> March to 22<sup>nd</sup> March, 2024. The state of Sikkim of India will be covered for present programme.

### Objectives of the Programme:

- To impart knowledge and concepts of Disaster, Disaster Management and Disaster Risk Reduction.
- To enhance the academicians' understanding on Hazard Vulnerability and Risk Analysis
- To develop positive attitude towards practical response to different stages of Disaster Management by adopting advance technology and sustainable development.
- To ensure disaster response skills in assessment, analysis, intervention, and evaluation in the Practice of reducing disaster risk.
- To equip the academicians on how to integrate Disaster Management curriculum and To make aware resilient and reduce the potential disaster risk for better preparedness of institutions.

## ABOUT THE INSTITUTE

### **National Institute of Disaster Management (NIDM) Ministry of Home Affairs (MHA), Govt. of India.**

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 and the region. The efforts in this direction that began with the formation of the National Centre for Disaster Management (NCDM) in 1995 gained impetus with its redesignation 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.

Both as a national Centre and then as the national Institute, NIDM has performed a crucial role in bringing disaster risk reduction to the forefront of the national agenda. The Institute believes that disaster risk reduction is possible only through promotion of a "Culture of Prevention" involving all stakeholders. The Institute works through strategic partnerships with various ministries and departments of the central, state and local governments, academic, research and technical organizations in India and abroad and other bi-lateral and multi-lateral international agencies.

NIDM is proud to have a multi-disciplinary core team of professionals working in various aspects of disaster management. In its endeavour to facilitate training and capacity development, the Institute has state-of-the-art facilities like class rooms, seminar hall and video-conferencing facilities etc. The Institute has a well-stocked library exclusively on the theme of disaster management and mitigation. The Institute provides training in face-to-face, on-line and self-learning mode as well as satellite based training. In-house and off-campus face-to-face training to the officials of the state governments is provided free of charge including modest boarding and lodging facilities.

NIDM provides Capacity Building support to various National and State level agencies in the field of Disaster Management & Disaster Risk Reduction. The Institute's vision is to create a Disaster Resilient India by building the capacity at all levels for disaster prevention and preparedness.





## **Indian Universities and Institutions Network on Disaster Risk Reduction (IUINDRR-NIDM)**

The Indian Universities and Institutions Network on Disaster Risk Reduction (IUINDRR-NIDM) has been established by NIDM pursuant to Government of India directions and more specifically in conformity to the agenda-6 of the 10 point agenda for Disaster Risk Reduction (DRR) by the Honorable Prime Minister of India, Global issues on Climate Change Adaptation (CCA), Sendai Framework for Disaster Risk Reduction (2015-2030), and Sustainable Development Goals (SDG), for promoting education, innovative technology and research, facilitate capacity development, and contribute to decision-making for addressing local risks and the needs of the most vulnerable sections of community affected by various disasters.

IUINDRR-NIDM envisions in building nations and communities safe and resilient to disasters, through education, knowledge creation, research, technology, and dissemination. The network also aims to exchange information among the universities and develop a pool of experts in the areas of disaster management.

## SIKKIM PROFESSIONAL UNIVERSITY (SPU)



### *Our Vision*

Sikkim Professional University's vision is to be a world-class University that nurtures talent and transforms the lives of millions through excellence in teaching, learning, and research. To justify the devotion of shaping lives through scholarly teaching and learning, and that which contributes to an impartial and holistic modification of society at large. SPU intends to be a pioneer in imparting the best education in professional courses and research work to shape the future. We are committed to providing a transformative educational experience for the students focused on

deep disciplinary knowledge, and make them ready for the future challenges of job industries. To enhance the knowledge and skills of our students, we organize various academic activities and workshops of international standards. We are dedicated to groom the overall personality of the students to become better individuals and responsible citizens of India.

### *Mission*

Sikkim Professional University's primary mission is to focus on the community development of its graduates. We are devoted to providing a dynamic and ethical environment for pursuing a high-quality learning experience. We aim to contribute to society through the pursuit of education, learning, and research at the highest by imparting quality higher education that caters to the emerging societal requirements. The mission of the University is to create and sustain a community of lifelong learners that emphasizes research and corporate training to develop our candidates to prove more productive and efficient in the corporate world.

The Sikkim Professional University believes in being honest, maintaining the highest ethical standard in all interactions and to impart higher education in interdisciplinary modules, and tries to create an environment full of nurture research work in the heart of Sikkim. SPU works on four value modules to come over its commitment to impart the best education in all major streams. All the four values are as follows:

The Sikkim Professional University believes in being honest, maintaining the highest ethical standard in all interactions and to impart higher education in interdisciplinary modules, and tries to create an environment full of nurture research work in the heart of Sikkim. SPU works on four value modules to come over its commitment to impart the best education in all major streams. All the four values are as follows:

## **Creativity**

To make a conducive environment for the student, we always introduce new methods of learning so that students can grasp their curriculum easily. SPU supports the courage and talent of a student that can bring favorable changes.

We always seek to offer new methods of learning so that students can easily grasp their course curriculum. And SPU always support student's talent and courage that definitely be worked to bring favorable change.

## **Respect and Integrity**

SPU gives equal priorities to all researchers and contributions made by extraordinary talents, as we believe in collective success and teamwork. We respect debates and collegiality regarding academic freedom.

We believed in collective success and team work. We give equal priority to all researches and contribution made by the extra ordinary talents. We respect debate and collegiality in regards of academic freedom.

## **Diversity and Inclusion**

Sikkim Professional University comprises students from different cultures and traditions. Here at the university we support the hidden talents and extraordinary minds of the students and nurture their qualities. We never bound their efforts and researches.

Here, with SPU, you will find students from different culture and traditions and we support them all to explore their hidden talents and extraordinary minds. We do not put any boundry and never limit student's efforts and researches.

## **Openness and Engagement**

We always encourage our students to go with new researches and open ideas; to get the best out of the course curriculum. Our experts analyze the longings of others intending to have a positive global impact.

We always encourage our students to go with new researches and open ideas; in order to have best out of course curriculum. Our experts and top rated researchers analyses the aspirations of others with the aim to have positive global impact.

## FACULTY PROFILE

The training sessions were guided by highly qualified and eminent resource persons and keynote speakers who covered the topics outlined in the course module. The following experts have been invited to participate in the training program based on their outstanding knowledge.

### IUINDRR-NIDM FACULTY



**Professor Dr. Surya Parkash**  
**Head, GMRD and CBRN, NIDM**  
**surya.nidm@nic.in**

Dr. Surya Parkash is a Professor and Head, CBRN and Cyber Disaster Risks Management Division, NIDM, MHA, GoI at National Institute of Disaster Management. The five days programme was conducted under the mentorship of Prof. Dr.) Surya Prakash.



**Prof. (Dr.) H. S. Yadav**  
**Vice-Chancellor,**  
**Sikkim Professional University, Tadong, Gangtok**  
**Email: vc.spu@spu.ac**

Prof. Hardeo Singh Yadav, is a renowned Professor in Chemical Science with more than 36 Years of Teaching/ Research experience in Inorganic Chemistry , Amavadin Chemistry, Green Chemistry syntheses using Peroxidases from wide range of Plant resources and Clean water Technology. He had served North Eastern Regional Institute of Science and Technology (NERIST), under MoE, GoI, as Founder Faculty member since July,1987 and also as Director, w.e.f. 6<sup>th</sup> March 2018 to 5<sup>th</sup> March,2023 and has contributed in various capacities such as Dean-Admin, Dean-Students Affair, HoD, Chairman, Academic Council, Member BoM, NERIST, Member-BoG, CIT Kokrajhar etc. Prof. Yadav has been visiting Scientist at Jagiellonian University, Kracow, Poland(1989-90), University of Manchester, UK (1992-93), Technical University Wroclaw, Poland( 2003-04) and University of Debrecen, Hungary (2012).His contributions in the area of Research and innovation and Academic Administration has been notable.



**DR. PREETI SONI**  
**Senior Programme Consultant IUINDRR-NIDM**

Dr. Preeti Soni is a Senior Programme Consultant in National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India and a Secretariat in India Universities and Institutions Network for Disaster Risk Reduction IUINDRR. She has made an immense effort and facilitated this training program to its successful completion.

**Expert Facilitator**



**Prof. Deepak Jhajharia**  
**Professor & Head, Soil & Water Conservation Engineering**  
**Dept. , College of Agriculture Engineering & Post Harvest**  
**Technology, CAEPHT, Ranipool, Gangtok, Sikkim**  
**Central Agriculture University, Imphal, Manipur.**

Dr. Deepak Jhajharia (B. Tech., M. Tech. and Ph. D.) is currently working as a Professor in the Department of Soil & Water Conservation Engineering, College of Agricultural Engineering & Post Harvest Technology, Ranipool, Gangtok, Sikkim, India.

=====



**Dr. Ghanashyam Singh Yurembam**  
**Assistant Professor**  
**Soil & Water Conservation Engineering Dept.,CAEPHT**

Dr. Ghanashyam Singh Yurembam is currently working as a Assistant Professor in the Department of Soil & Water Conservation Engineering, College of Agricultural Engineering & Post Harvest Technology, Ranipool, Gangtok, Sikkim, under Central Agriculture University, Imphal, Manipur, India.

=====



**Dr. Rajeev Sharma**  
**PHEDM Specialist**  
**U.S.CDC India**



**Col. Nadeem Arshad**  
**NDMA**  
**nadeem.tarana@gmail.com**

Col. Nadeem Arshad is Consultant with the NDMA GOVT. of India.

=====



**Dr. Ravinder Singh,**  
**Former Senior Policy Advisor, G20, MEA**  
**drsingh83ravinder@gmail.com**



**Dr. Kritika Sharma**  
**Principal, SPCPT**  
**SPU, Tadong Gangtok**



**Mrs. Hishey L. Bhutia**  
**Principal, SPCON**  
**SPU, Tadong, Gangtok, Sikkim**



**Dr. Suraj Sharma**  
**Principal, SPCPS**  
**SPU, Tadong, Gangtok, Sikkim**



**Mrs. Muna Devi Gurung**  
**Principal, SPCAS**  
**SPU, Tadong, Gangtok, Sikkim**

## ABOUT THE TRAINING PROGRAMME

### Need of the programme:

To act upon the direction led by the Hon'ble Prime Minister of India, NIDM took step forward under the India Universities and Institution Network (IUINDRR-NIDM) and formulated model curriculums on Disaster Risk Reduction and Management. For the first time, experts came up at one platform from across the country and in consultation of academia, model curriculums at UG & PG level have been developed. The objective of these curriculums is to train students on the issues related to disaster management. The proposed model curriculums of Foundation Course on Disaster Risk Reduction which has included elements of disaster related issues to build the knowledge, skills, and capacity of the young generation to achieve National objective of 10-point agenda 6 of Hon'ble Prime Minister of India. UGC also has sent notification to every University and College vide D.O No. 2-9/2022 (CPP-II), dated 24th February, 2022 to implement DRR courses in their curriculums. Hence, to build the capacity of academicians of North-East region on "Foundation/Multi-disciplinary Course Curriculum" which must be integrate with every stream of Higher Education, IUINDRR-NIDM organizes "Regional Capacity Development Programme on Disaster Risk Reduction". Such training will help develop a culture of more sensitive, accurate and holistic disaster preparedness. In the long run, this will help develop more resilient communities as the next generation will become better trained.

It is in the above context, to develop the capacity of academicians on Disaster Risk Reduction at regional platform, IUINDRR-NIDM, National Institute of Disaster Management, MHA, GOI is proposing 3 days offline Regional Capacity Development training programme in collaboration with Sikkim Professional University on "Workshop-Cum-Training Program On Enhancing Human Capacity To Deal With The Public Health Emergencies During Disaster Situations Like Earthquakes, Landslides And Flash Flood In Sikkim." during 18 March to 22 March 2024. Sikkim region of India will be covered for present programme.

### Objectives of the Programme:

- To impart knowledge and concepts of Disaster, Disaster Management and Disaster Risk Reduction.
- To enhance the academicians' understanding on Hazard Vulnerability and Risk Analysis
- To develop positive attitude towards practical response to different stages of Disaster Management by adopting advanced technology and sustainable development.
- To ensure disaster response skills in assessment, analysis, intervention, and evaluation in the Practice of reducing disaster risk.
- To equip the academicians on how to integrate Disaster Management curriculum and to make aware resilience and reduce the potential disaster risk for better preparedness of institutions.

### Training Methodology:

- Lecture-cum-Discussion
- Presentation of case Study
- Group Discussion
- Field Study
- Audio-Visual Show

**Topics covered:**

- Conceptual Framework of Disaster Management
- Disaster Profile of India with special reference to Sikkim - India
- Disaster Preparedness Planning, Resilience, and long-term mitigation
- Application of Geo-Informatics in Disaster Management
- Foundation Course curriculum on DRR
- Regional Issues of Disaster Risk Reduction

**Course Fee, accommodation, and other arrangements:**

There is no course fee for the programme. Lodging and Boarding are to be provided to the participants in the SPU Guesthouses during the period of the training programme.

**Duration of the Programme:**

Five days: 18<sup>th</sup> March to 22<sup>nd</sup> March 2024.

**Participants:**

Faculty Members of Universities/Institutions of Sikkim region.

**DETAILED PROGRAMME SCHEDULE****NATIONAL INSTITUTE OF DISASTER MANAGEMENT, DELHI****IN COLLABORATION WITH****SIKKIM PROFESSIONAL UNIVERSITY****FIVE DAYS WORKSHOP ON****“ENHANCING HUMAN CAPACITY TO DEAL WITH THE PUBLIC HEALTH EMERGENCIES DURING DISASTER SITUATIONS LIKE EARTHQUAKES, LANDSLIDES AND FLASH FLOODS IN SIKKIM”****PROGRAMME SCHEDULE**

<b>DATE</b>	<b>TIME (Hrs)</b>	<b>SESSION</b>	<b>SPEAKER</b>
<b>18/03/24</b>	<b>10:00 -10:45</b>	Inaugural Session	Prof. H. S. Yadav Vice Chancellor, SPU & Invitees
	<b>10:45-11:00</b>	<b>Tea Break</b>	
	<b>11:00 –12:00</b>	Disaster: Types under changing climate: Case Studies from North East India	Prof. Deepak Jhajharia, Ph.D. (IIT Roorke), Prof & Head, Soil & Water Conservation Engineering Dept. CAEPHT
	<b>12:00 -13:00</b>	Exposure to Hydrometeorological Disaster: Lecture	Dr. Ghanashyam Singh Yurembam, Asst. Professor, Soil & Water Conservation Engineering Dept.,CAEPHT
	<b>13:00- 14:00</b>	<b>LUNCH BREAK</b>	
	<b>14:00-15:00</b>	Pharmacist’S Role in Disaster Management : Coordination with other professionals	Mr. Pranal Chettri, SPCOPS, SPU, Gangtok
	<b>15:00- 16:30</b>	DEMONSTRATION/TRAINING in Pharmacy Block	SPCOPS, SPU, Gangtok
	<b>16:30-17:00</b>	<b>Tea &amp; Snacks</b>	
<b>19/03/24</b>	<b>10:00- 11:00</b>	Public Health Emergency and Disaster Management	Dr. Rajeev Sharma, PHEM Specialist, U.S.CDC India Email: vpk7@cdc.gov
	<b>11:00 -12:00</b>	Disaster & Nursing: Emergency operational plans, Colour coding for management system	Ms. Hishey L Bhutia, Principal, SPCON, Gangtok
	<b>12:00 -13:00</b>	Preventive Measures by Pharmacy Professionals to avoid Pandemic Situation	Dr. Suraj Sharma, Principal, SPCOPS, Gangtok
	<b>13:00-14:00</b>	<b>LUNCH BREAK</b>	

	<b>14: 00-16:30</b>	DEMONSTRATION : Fog water harvesting & role of mobile based advisory system in disaster management; visit to automatic weather station, at CAEPHT, Ranipool (College of Agriculture Engg. & Post Harvest Technology, Gangtok).	Prof. Deepak Jhajharia CAEPHT, Gangtok
		<b>REFRESHMENT</b>	
<b>20/03/24</b>	<b>10:00- 11:00</b>	Mock Drills / Exercises for Disaster Preparedness	Col. Nadeem Arshad, NDMA nadeem.tarana@gmail.com
	<b>11:00 -12:00</b>	Transfer Techniques during Post Disaster Situation within Physiotherapy Parameters	Dr. Kritika Sharma, Principal, SPCPT, SPU, Gangtok
	<b>12:00 - 13:00</b>	High Lights on Basic Life Support to Reduce Risk During Emergency Situation	Dr. Aditya, SPCPT, SPU,Gangtok
		<b>LUNCH BREAK</b>	
	<b>14:00 - 15:00</b>	Disaster Management: Principles & elements of disaster management plan; Pre-disaster Management including Prevention and Community Preparedness for Disaster Resilience	Ms. Nawang S Bhutia, Nursing Professional, SPCON, Gangtok
	<b>15:00 -16:00</b>	Disaster Management during Crisis and comprehensive Responses to Protect Life	Ms. Shikha Gurung, Sr. Tutor, SPCON, SPU, Gangtok
	<b>16:- 17:00</b>	<b>DEMONSTRATION:</b> Disaster Domains: Role of Effective Coordination & Communication Skills to Reduce Risk	Ms. Pema W Bhutia, Assoc professor, SPCON, Gangtok
		<b>REFRESHMENT</b>	
<b>21/03/24</b>	<b>10:00 - 11:00</b>	Pharmacist Role in Ensuring the Availability, safety & Appropriate use of Medications during Natural Disaster	Ms. Alisha Gazmer, SPCOPS, SPU, Gangtok
	<b>11:00 –12:00</b>	Role of Physiotherapist in Improving Neurological Conditions and Rehabilitation	Dr. Bandana, SPCPT, SPU, Gangtok
	<b>12:00 - 13:00</b>	Role of Medical lab technology in disaster management	Mr. Dinam Lepcha, SPCOPS, SPU, Gangtok
		<b>LUNCH BREAK</b>	
	<b>14:00-15:00</b>	Essentials of Post Disaster Management including Recovery	Ms. Reena Thapa, Asst. Professor, SPCON,SPU
	<b>15:00 –16:00</b>	Group discussion on Real life case Discussions/lessons learnt from past disasters: <b>Practical Session</b>	Ms Nisha Khulal, Asst. Professor ,SPCON,SPU

	<b>16:00 –17:00</b>	Life saving tips during Earthquake, Flood and Landslides followed by Video based DEMONSTRATION	Dr. Ravinder Singh, Former Senior Policy Advisor, G20, MEA drsingh83ravinder@gmail.com
		<b>Tea &amp; Snacks</b>	
<b>22/04/24</b>	<b>10:00 - 11:00</b>	Triage for disaster management: <b>Lecture &amp; Demonstration</b>	Ms Muna Subba, Asst. Professor, SPCON,SPU
	<b>11:00-12:00</b>	Disaster Risk Reduction in Ortho Conditions and Rehabilitation	Dr. Kisangla, SPCPT, SPU
	<b>12:00-13:00</b>	Vital Roles of Nurses in Post Disaster Management	Ms. Songmit Lepcha, Nursing Professional,SPCON
		<b>LUNCH BREAK</b>	
	<b>14:00-15:00</b>	Community Based Disaster Risk Reduction and Resilience	Professor Dr. Surya Parkash, Head, GMRD and CBRN, NIDM surya.nidm@nic.in
	<b>15:00 - 16:00</b>	DELEGATES FEED BACK SESSION	Ms. Hishey L. Bhutia Co-Chairperson
	<b>16:00 to 17:00</b>	Valedictory Function Professor Dr. Surya Parkash Professor Dr. H.S. Yadav	Chief Guest
		<b>REFRESHMENT</b>	

## TRAINING SUMMARY

More than 60 delegates participated in the training program from Sikkim states of India viz. East Sikkim, South Sikkim, West Sikkim, North Sikkim.

### INAUGURAL SESSION

The programme started by felicitation of the esteem guests , Prof. Deepak Jhajkhria, Professor & Head, CAEPHT, Ranipool, Gangtok and the Resource persons, while acknowledging the Academic and administrative wisdom of Shri Rajendra ratnoo, IAS , Executive Director, NIDM, Prof. (Dr.) Surya Parkash, Prof. & Head GMR Division, NIDM, Shri Santosh Kumar, Head, GIDRR & Director-IUINDRR- NIDM, , MHA, Gol, and Prof. Hardeo Singh Yadav, Vice-Chancellor, SPU, Tadong, Gangtok and Dr. Preeti Soni, Senior Programme Consultant, IUINDRR-NIDM and Executive Committee Member, IUINDRR.

**Welcome Address:** The Inaugural Session started with a welcome address by Prof. Hardeo Singh Yadav, Vice Chancellor, Sikkim Professional University, Tadong, Gangtok, emphasizing the importance of Disaster Risk Reduction (DRR) and how societies can significantly reduce the impact of disasters and save lives by integrating DRR into preparedness practices, improving early warning systems, and enhancing community preparedness. Disaster Risk Reduction (DRR) is a holistic method for mitigating the impact of natural and man-made disasters. It entails identifying and assessing vulnerabilities, encouraging resilience in communities and infrastructure, implementing early warning systems, establishing effective preparedness and response mechanisms, and incorporating sustainable development principles to reduce risk. DRR emphasizes the importance of thorough risk assessment, education, and policy measures to promote a culture of safety and disaster resilience, with the goal of protecting lives and livelihoods while minimizing economic and environmental losses in the case of catastrophes.

**Introductory Remarks & Objectives of the Program:** Prof. Hardeo Singh Yadav, Vice Chancellor, SPU Tadong, Gangtok, in his address stated that Disaster Risk Resilience is critical because it saves lives, protects communities and economies, and ensures that societies can recover and thrive in the face of disasters. Individuals, communities, and nations can reduce vulnerabilities, improve preparedness, and create a safer, more sustainable future by investing in resilience. The IUINDRR is the result of the Prime Minister's vision (Agenda No.6 of the 10-point Agenda for Disaster Risk Resilience) and the NIDM to prepare for Disaster Risk Resilience. IUINDRR is registered with more than 217 universities. Creating a network of universities and academic institutions dedicated to disaster-related issues can be extremely beneficial. Each university in the network can specialize in specific aspects of disaster management and risk reduction relevant to their geographical location or academic strengths. The combined impact of these institutions has the potential to result in more effective disaster preparedness, mitigation, and response strategies, ultimately benefiting communities and societies worldwide. He informed the participants about the National Platform for Disaster Risk Reduction (NPDRR) and other funding opportunities for disaster risk reduction studies.

**Address by the Key note speaker:** Prof. Deepak Jhajharia delivered the key note address of the programme and highlighted critically about the developmental practices currently used in the Northeastern hilly region and explained, how they are impacting society in the long term. North East India is prone to natural disasters and faces a number of regional

issues. Prof. Jhajharia encouraged young researchers and professionals, who are interested in preparing hypotheses for research in this region to focus on related issues and formulate hypotheses for research that address specific aspects, providing valuable insights and contributing to solutions in North East India. He also emphasized that resilience can only be achieved by adapting to climate adaptive solutions, taking a greener approach, and building local community capacity by involving stakeholders and empowering communities to lead and undertake activities to mitigate the impact. He further stated that SPU is prepared to take on any challenge to safeguard and protect life and livelihood, and he welcomed such activities in the interest of the SPU community and the region.

**Vote of Thanks:** Ms. Songmit, Sikkim Professional College of Nursing, SPU proposed the vote of thanks where she expressed gratitude to the patrons of the training program, The Executive Director, NIDM; Prof. Surya Parkash, Dr. Preeti Soni and External / Internal resource Persons including Principals of SPU and Prof. H. S. Yadav, Vice Chancellor, SPU Tadong, Gangtok and one and all supporting the Program in public interest as well as for their guidance, showing respect and acknowledgment for their contributions.

## SUMMARY OF THE THEMATIC SESSIONS

### DAY-1 (18.03.2024)

#### Towards Thematic Sessions 1

**Prof. Deepak Jhajharia, Ph.D. (IIT Roorke), Prof & Head, Soil & Water Conservation Engineering Dept. CAEPHT**

**Topic: Disaster: Types under changing climate: Case Studies from North East India**

**Methodology:** Discussion, Experience sharing and Activity.

#### Towards Thematic Sessions 2

**Dr. Ghanashyam Singh Yurembam, Asst. Professor, Soil & Water Conservation Engineering Dept.,CAEPHT**

**Topic: Disaster: Exposure to Hydrometeorological Disaster**

**Methodology:** Discussion, Experience sharing and Activity.

#### Towards Thematic Sessions 3

**Mr. Pranal Chettri, SPCOPS, SPU, Gangtok**

**Topic: Pharmacist's Role in Disaster Management: Coordination with other professionals**

**Methodology:** Discussion, Experience sharing and Activity.

#### Towards Thematic Sessions 4

**Mr. Pranal Chettri, SPCOPS, SPU, Gangtok**

**Topic: Pharmacist's Role in Disaster Management: Coordination with other professionals**

**Methodology:** Discussion, Experience sharing and Activity (DEMONSTRATION/TRAINING in Pharmacy Block)

## **DAY-2 (19.03.2024)**

### **Towards Thematic Sessions 1**

**Dr. Rajeev Sharma, PHEM Specialist, U.S.CDC India**

**Topic: Disaster: Public Health Emergency and Disaster Management**

**Methodology:** Discussion, Experience sharing and Activity.

### **Towards Thematic Sessions 2**

**Ms. Hishey L Bhutia, Principal, SPCON, Gangtok**

**Topic: Disaster & Nursing: Emergency operational plans, Colour coding for management system**

**Methodology:** Discussion, Experience sharing and Activity.

### **Towards Thematic Sessions 3**

**Dr. Suraj Sharma, Principal, SPCOPS, Gangtok**

**Topic: Preventive Measures by Pharmacy Professionals to avoid Pandemic Situation**

**Methodology:** Discussion, Experience sharing and Activity.

### **Towards Thematic Sessions 4**

**Prof. Deepak Jhajharia CAEPHT, Gangtok**

**Topic: DEMONSTRATION: Fog water harvesting & role of mobile based advisory system in disaster management; visit to automatic weather station, at CAEPHT.**

**Methodology:** Discussion, Experience sharing and Activity (DEMONSTRATION/TRAINING at Ranipool (College of Agriculture Engg. & Post Harvest Technology, Gangtok)

### **DAY-3 (20.03.2024)**

#### **Towards Thematic Sessions 1**

**Col. Nadeem Arshad, NDMA**

**Topic: Mock Drills / Exercises for Disaster Preparedness**

**Methodology:** Discussion, Experience sharing and Activity.

#### **Towards Thematic Sessions 2**

**Dr. Kritika Sharma, Principal, SPCPT, SPU, Gangtok**

**Topic: Transfer Techniques during Post Disaster Situation within Physiotherapy Parameters.**

**Methodology:** Discussion, Experience sharing and Activity & DEMONSTRATION.

#### **Towards Thematic Sessions 3**

**Dr. Aditya, Lecturer, SPCPT, SPU, Gangtok Sikkim**

**Topic: High Lights on Basic Life Support to Reduce Risk during Emergency Situation**

**Methodology:** Discussion, Experience sharing and Activity & DEMONSTRATION.

#### **Towards Thematic Sessions 4**

**Ms. Nawang S Bhutia, Nursing Professional, SPCON, Gangtok**

**Topic: Disaster Management: Principles & elements of disaster management plan; Pre-disaster Management including Prevention and Community Preparedness for Disaster Resilience.**

**Methodology:** Discussion, Experience sharing and Activity.

#### **Towards Thematic Sessions 5**

**Ms. Shikha Gurung, Sr. Tutor, SPCON, SPU, Gangtok**

**Topic: Disaster Management during Crisis and comprehensive Responses to Protect Life.**

**Methodology:** Discussion, Experience sharing and Activity.

#### **Towards Thematic Sessions 5**

**Ms. Pema W Bhutia, Assoc Professor, SPCON, Gangtok**

**Topic: DEMONSTRATION: Disaster Domains: Role of Effective Coordination & Communication Skills to Reduce Risk.**

**Methodology:** Discussion, Experience sharing and Activity.

## **DAY-4 (21.03.2024)**

### **Towards Thematic Sessions 1**

**Ms. Alisha Gazmer, SPCOPS, SPU, Gangtok**

**Topic: Pharmacist Role in Ensuring the Availability, safety & appropriate use of Medications during Natural Disaster**

**Methodology:** Discussion, Experience sharing and Activity.

### **Towards Thematic Sessions 2**

**Dr. Bandana, SPCPT, SPU, Gangtok**

**Topic: Role of Physiotherapist in Improving Neurological Conditions and Rehabilitation.**

**Methodology:** Discussion, Experience sharing and Activit.

### **Towards Thematic Sessions 3**

**Mr. Dinam Lepcha, SPCOPS, SPU, Gangtok**

**Topic: Role of Medical lab technology in disaster management.**

**Methodology:** Discussion, Experience sharing and Activity & DEMONSTRATION.

### **Towards Thematic Sessions 4**

**Ms. Reena Thapa, Asst. Professor, SPCON, SPU**

**Topic: Essentials of Post Disaster Management including Recovery.**

**Methodology:** Discussion, Experience sharing and Activity.

### **Towards Thematic Sessions 4**

**Ms. Shikha Gurung, Sr. Tutor, SPCON, SPU, Gangtok**

**Topic: Disaster Management during Crisis and comprehensive Responses to Protect Life.**

**Methodology:** Discussion, Experience sharing and Activity.

### **Towards Thematic Sessions 5**

**Ms Nisha Khulal, Asst. Professor , SPCON,SPU**

**Topic: Group discussion on Real life case Discussions/lessons learnt from past disasters: Practical Session.**

**Methodology:** Discussion, Experience sharing and Activity.

### **Towards Thematic Sessions 6**

**Dr. Ravinder Singh, Former Senior Policy Advisor, G20, MEA**

**Topic: Life saving tips during Earthquake, Flood and Landslides followed by Video based demonstration**

**Methodology:** Discussion, Experience sharing and Activity.

**DAY-5 (22.03.2024)**

**Towards Thematic Sessions 1**

**Ms. Muna Subba, Asst. Professor, SPCON, SPU**

**Topic: Triage for disaster management**

**Methodology:** Discussion, Experience sharing and Activity Demonstration.

**Towards Thematic Sessions 2**

**Dr. Kisangla, SPCPT, SPU**

**Topic: Disaster Risk Reduction in Ortho Conditions and Rehabilitation.**

**Methodology:** Discussion, Experience sharing and Activity.

**Towards Thematic Sessions 3**

**Ms. Songmit Lepcha, Nursing Professional, SPCON**

**Topic: Vital Roles of Nurses in Post Disaster Management.**

**Methodology:** Discussion, Experience sharing and Activity.

**Towards Thematic Sessions 4**

**Professor Dr. Surya Parkash, Head, GMRD and CBRN, NIDM**

**Topic: Community Based Disaster Risk Reduction and Resilience.**

**Methodology:** Discussion, Experience sharing and Activity

**“ENHANCING HUMAN CAPACITY TO DEAL WITH THE PUBLIC HEALTH EMERGENCIES DURING DISASTER SITUATIONS LIKE EARTHQUAKES, LANDSLIDES AND FLASH FLOODS IN SIKKIM”**

Sikkim Professional University hosted a five days comprehensive workshop since 18<sup>th</sup> March 2024 to 22<sup>nd</sup> March 2024, aimed at equipping healthcare professionals with the knowledge and skills necessary to effectively respond to human emergencies and disasters.

Organized collaboratively by National Institute of Disaster Management, Ministry of Home Affairs, Government of India, the workshop has been covering a wide array of critical topics.

The key discussions and activities carried out included:

**Emergency Operational Plans:** Participants delved into the development and implementation of emergency operational plans, ensuring readiness to respond promptly and effectively during crises.

**Preventive Measures for Pandemics:** Pharmacy professionals explored preventive measures to mitigate the risk of pandemics, emphasizing the role of vaccination, hygiene practices, and public awareness campaigns.

**Role of Pharmacists in Disaster Response:** Discussions centered on the vital role pharmacists play during emergency situations, including medication management, triage, and patient education.

**Transfer Techniques in Physiotherapy:** Physiotherapists shared techniques for safe and efficient patient transfer during post-disaster situations, focusing on minimizing further injury and optimizing patient care.

**Basic Life Support (BLS):** Healthcare providers received training in BLS techniques to stabilize patients and reduce mortality rates during emergencies, emphasizing the importance of quick intervention and effective CPR.

**Community Preparedness and Disaster Resilience:** Participants explored strategies for enhancing community preparedness, including disaster planning, risk assessment, and building resilient infrastructure.

The Vice Chancellor, Prof. Hardeo Singh Yadav, collaborated with renowned experts in disaster management, emergency response, public health, urban planning, and environmental science. Experts were selected based on their expertise, research contributions, and practical experience in the field.

Attendees actively engaged in workshops and hands-on training sessions, fostering a collaborative learning environment.

As part of the workshop, on 19<sup>th</sup> March 2024, a group of participants under the guidance of The Vice Chancellor, Prof. Hardeo Singh Yadav, visited an Agricultural Engineering College & Post Harvest Technology (CAEPHT), situated at Ranipool Gangtok, under Central Agriculture University, Imphal, Manipur to witness demonstrations on fog water harvesting and the role of mobile-based advisory systems. The visit to the Institute proved to be informative and enriching, offering participants valuable insights.

**Conclusion:** The workshop on, “Enhancing Human Capacities to Deal with the Public Health Emergencies during Disaster Situations Like Earthquakes, Landslides and Flash Floods in Sikkim” was successfully completed and served as a vital platform for healthcare professionals to exchange insights, acquire new skills, and strengthen their capacity to respond effectively during crises. By fostering interdisciplinary collaboration and emphasizing preventive measures and community preparedness, the workshop has contributed significantly in building resilience and enhancing disaster management capacities across healthcare professions added with wide range of case studies by external resource persons like Dr. Rajeev Sharma, PHEM specialist, U.S. CDC India; Col. Nadeem Arshad, NDMA; Dr. Ravinder Singh, Former Sr. Policy Advisor, G20, MEA. This Program was mentored by Prof. (Dr.) Surya Parkash, Head, GMRD and CBRN, NIDM, MHA, GoI, Delhi, who also delivered a Lecture on, “Community Based Disaster Risk Reduction and Resilience”.

## MEDIA COVERAGE

# पांच दिवसीय कार्यशाला-सह-प्रशिक्षण कार्यक्रम का आयोजन



रंगपो (निज संवददाता)। सिक्किम व्यावसायिक विश्वविद्यालय राष्ट्रीय आपदा प्रबंधन संस्थान दिल्ली, गृह मंत्रालय, भारत सरकार के सहयोग से 18 मार्च से 22 मार्च 2024 तक अपने सेमिनार हॉल में सिक्किम में भूकंप, भूस्खलन और अचानक बाढ़ जैसी आपदा स्थितियों के दौरान सार्वजनिक स्वास्थ्य आपात स्थितियों से निपटने के लिए मानव क्षमता बढ़ाने पर 5

दिवसीय कार्यशाला-सह-प्रशिक्षण कार्यक्रम का आयोजन किया। कार्यक्रम प्रोफेसर सूर्य प्रकाश, विभागाध्यक्ष, जीएमआरडी, सीबीआरएन, एनआईडीएम, दिल्ली के मार्गदर्शन में पूरा हुआ। पांच दिनों के कार्यक्रम के दौरान प्रसिद्ध विशेषज्ञों ने आपातकालीन संचालन योजनाओं, महामारी के लिए निवारक उपाय, आपदा प्रतिक्रिया में फार्मासिस्टों की भूमिका, फिजियोथेरेपी में स्थानांतरण

तकनीक, बुनियादी जीवन समर्थन (बीएलएस), सामुदायिक तैयारी और आपदा लचीलापन पर केंद्रित व्याख्यान दिए। इस संबंध में प्रतिभागियों ने आपदा योजना, जोखिम मूल्यांकन और लचीले बुनियादी ढांचे के निर्माण सहित सामुदायिक तैयारियों को बढ़ाने के लिए रणनीतियों का पता लगाया। कुलपति प्रो. हरदेव सिंह यादव ने आपदा प्रबंधन, आपातकालीन प्रतिक्रिया, सार्वजनिक स्वास्थ्य,

शहरी नियोजन और पर्यावरण विज्ञान में प्रसिद्ध राष्ट्रीय और अंतर्राष्ट्रीय स्तर के विशेषज्ञों को आमंत्रित किया। विशेषज्ञों को उनकी विशेषज्ञता, अनुसंधान योगदान और क्षेत्र में व्यावहारिक अनुभव के आधार पर शामिल किया गया था।

कार्यशाला के भाग के रूप में प्रतिभागियों के एक समूह ने कोहरे जल संचयन और मोबाइल-आधारित सलाहकार प्रणालियों की भूमिका पर प्रदर्शन देखने के लिए केंद्रीय कृषि विश्वविद्यालय इफाल के तहत कृषि इंजीनियरिंग और पोस्ट हार्वेस्ट टेक्नोलॉजी कॉलेज, रानीपूल, गंगटोक का दौरा किया। संस्थान का दौरा जानकारीपूर्ण और समृद्ध साबित हुआ, जिससे प्रतिभागियों को बहुमूल्य अंतर्दृष्टि प्राप्त हुई। एसपीयू के कुलपति प्रो. एच.एस. यादव ने बताया कि इस कार्यक्रम के दौरान, सिक्किम व्यावसायिक विश्वविद्यालय के विभिन्न कॉलेजों के बड़ी संख्या में प्रतिनिधियों, छात्रों और संकाय सदस्यों को विनाशकारी स्थितियों के जोखिम को कम करने के लिए कौशल को अद्यतन और बढ़ाया गया है।

# SIKKIM EXPRESS

OF THIS LAND, FOR ITS PEOPLE

Good Morning Sikkim, today is TUESDAY, 19 MARCH, 2024 ■ REGD NO. WB/SKM/02/2024-2026 VOL. XLVHI NO. 77 ■ RNI No. RN 40962/1996 ■ www.sikkimsexpress.com ■ ₹ 5.00

## SPU, NIDM organise workshop on disaster management

SE Report

**GANGTOK, March 18:** A five-day workshop-and-training programme on 'Enhancing Human Capacity to Deal with Public Health Emergencies during Disaster Situations Like Earthquakes, Landslides, and Flash Floods in Sikkim' was held at SPU Seminar Hall today.

The workshop was organised by the Sikkim Professional University in collaboration with the National Institute of Disaster Management, Delhi (MHA), informs a press release.

Sikkim Professional

University vice chancellor Prof. H.S. Yadav inaugurated the training programme and emphasised the need for preparedness and post-disaster measures to minimise disaster risks.

Adequate education, environment, economy, and energy management are the needs of the hour, which can be achieved only within the protocol of the eco-friendly domain.

CAEPHT Soil & Water Conservation Engineering department head Prof. Deepak Jhajheria delivered a keynote speech on 'Disaster: Types under Changing



Climate: Case Studies from North East India'.

Sikkim Professional College of Pharmaceutical Sciences assistant professor Pranal Chettri delivered a lecture on 'Pharmacist's Role

in Disaster Management: Coordination with Other Professionals'.

A demonstration was also conducted in the Sikkim Professional College of Pharmaceutical Sciences for

the delegates and students.

The delegates, students, and faculty members of various colleges of the Sikkim Professional University attended the programme, the release mentions.

**H Himalayan News**  
23 March at 18:13 - 🌐

Sikkim Professional University in collaboration with National Institute of Disaster Management Delhi, MHA, Govt. of India, organized 5 days Workshop-Cum-Training Programme on "Enhancing Human Capacity to deal with the Public Health emergencies during Disaster situations like Earthquakes, Landslides and Flash Floods in Sikim" at its seminar Hall from 18th March to 22nd March, 2024. The program was completed under guidance of Prof. Surya Prakash, HoD, GMRD, CBRN, NIDM, Delhi.

During the five days programme, renowned experts delivered lectures focused on Emergency Operational Plans, Preventive Measures for Pandemics, Role of Pharmacists in Disaster Response, Transfer Techniques in Physiotherapy, Basic Life Support (BLS), Community Preparedness and Disaster Resilience. In this connection Participants explored strategies for enhancing community preparedness, including disaster planning, risk assessment, and building resilient infrastructure.  
rEPRT bY-sANJAY agarwal



4 1 share

Like Comment

**Samvad**  
23 March at 18:09 - 🌐

सिक्किम प्यावसायिक विश्वविद्यालय राष्ट्रीय आपदा प्रबंधन संस्थान दिल्ली, गृह मंत्रालय, भारत सरकारसरकार के सहयोग से 18 मार्च से 22 मार्च, 2024 तक अपने सेमिनार हॉल में 'सिक्किम में भूकंप, भूस्खलन और अचानक बाढ़ जैसी आपदा स्थितियों के दौरान सार्वजनिक स्वास्थ्य आपात स्थितियों से निपटने के लिए मानव क्षमता बढ़ाने' पर 5 दिवसीय कार्यशाला-सह-प्रशिक्षण कार्यक्रम का आयोजन किया। कार्यक्रम प्रोफेसर सूर्य प्रकाश, विभागाध्यक्ष, जीएमआरडी, सीबीआरएन, एनआईडीएम, दिल्ली के मार्गदर्शन में पूरा हुआ।

पांच दिनों के कार्यक्रम के दौरान, प्रसिद्ध विशेषज्ञों ने आपातकालीन संचालन योजनाओं, महामारी के लिए निवारक उपाय, आपदा प्रतिक्रिया में फार्मासिस्टों की भूमिका, फिजियोथेरेपी में स्थानांतरण तकनीक, बुनियादी जीवन समर्थन (बीएलएस), सामुदायिक तैयारी और आपदा लचीलापन पर केंद्रित व्याख्यान दिए। इस संबंध में प्रतिभागियों ने आपदा योजना, जोखिम मूल्यांकन और लचीले बुनियादी ढांचे के निर्माण सहित सामुदायिक तैयारियों को बढ़ाने के लिए रणनीतियों का पता लगाया।

संजय अगरवाल -न्यूज संवाद



1 1 share

**LIST OF PARTICIPANTS**

Sl.No	Name	Profession	Mob. No	Address	Email
1	Dr. Kritika Sharma	Physiotherapy	9775972426	SPCOP, Gangtok, East Sikkim - 737101	kricksharma@gmail.c om
2	Dr. Aditya Basnett	Physiotherapy	9641477636	SPCOP, Gangtok, East Sikkim - 737101	physioaditya.basnett777@ma il.com
3	Dr. Keshangla Bhutia	Physiotherapy	8101389933	SPCOP, Gangtok, East Sikkim - 737101	keshanglabhutia27@gmail.com
4	Dr. Bibek Sharma	Physiotherapy	8348158154	SPCOP, Gangtok, East Sikkim - 737101	bibeksharma0312@gmail.com
5	Dr. Bandana Thapa	Physiotherapy	8074340957	SPCOP, Gangtok, East Sikkim - 737101	thapabandana764@gmail.com
6	Mrs. Hishey L Bhutia	Nursing	6294310280	SPCON, Gangtok, East Sikkim - 737101	pvmscon@gmail.com
7	Ms Pema W Bhutia	Nursing	7407382021	SPCON, Gangtok, East Sikkim - 737101	risemZu@gmail.com
8	Ms. Srijana Mishra	Nursing	9064159546	SPCON, Gangtok, East Sikkim - 737101	cjanamisra91@gmail.com
9	Ms. Reena Thapa	Nursing	7872644624	SPCON, Gangtok, East Sikkim - 737101	reenathapachettri@gmail.com
10	Ms. Muna Subba	Nursing	9339464011	SPCON, Gangtok, East Sikkim - 737101	yakhungmamuna@gmail.com
11	Ms. Nisha Khulal	Nursing	9108340569	SPCON, Gangtok, East Sikkim - 737101	khulasajnisha@gmail.com
12	Ms. Songmit Lepcha	Nursing	8370959167	SPCON, Gangtok, East Sikkim - 737101	songmitsitling01@gmail.com
13	Ms Rubina Thapa	Nursing	9883855790	SPCON, Gangtok, East Sikkim - 737101	rubinathapa2018@gmail.com
14	Ms. Deepika Sharma	Nursing	6297503532	SPCON, Gangtok, East Sikkim - 737101	depicagtk@gmail.com
15	Ms. Sabina Pradhan	Nursing	8372034606	SPCON, Gangtok, East Sikkim - 737101	sabinapradhan534@gmail.com
16	Ms. Kalpana Rai	Nursing	9734366075	SPCON, Gangtok, East Sikkim - 737101	kalpanarae123@gmail.com
17	Ms. Anushuya Pradhan	Nursing		SPCON, Gangtok, East Sikkim - 737101	anashuyap@gmail.com
18	Ms. Anuka Limboo	Nursing	8927821066	SPCON, Gangtok, East Sikkim - 737101	subbaanuka2@gmail.com
19	Ms. Geetanjali Pradhan	Nursing	8158855043	SPCON, Gangtok, East Sikkim - 737101	geetanjalipradhan56@gmail.co m
20	Ms. Sonam P Bhutia	Nursing	9832305904	SPCON, Gangtok, East Sikkim - 737101	sonampalmu64@gmail.com
21	Ms. Eyongmit Lepcha	Nursing	9749789811	SPCON, Gangtok, East Sikkim - 737101	eyonlepcha@gmail.com

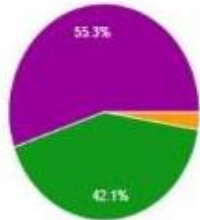
22	Ms. Nilima Thapa	Nursing	8116906785	SPCON, Gangtok, East Sikkim - 737101	princessneysang12@gmail.com
23	Ms. Teshang Tamang	Nursing	9064006953	SPCON, Gangtok, East Sikkim - 737101	teshang.ghising17@gmail.com
24	Ms. Beena Bardewa	Nursing	8618217615	SPCON, Gangtok, East Sikkim - 737101	beenabardewa1234@gmail.com
25	Ms. Chowisang Dolma Tamang	Nursing	7908428576	SPCON, Gangtok, East Sikkim - 737101	chowisangdoma12@gmail.com
26	Ms. Lakshmi Sharma	Nursing	9402408539	SPCON, Gangtok, East Sikkim - 737101	Lakshmis1234@gmail.com
27	Ms. Niwasho Limboo	Nursing	9679726917	SPCON, Gangtok, East Sikkim - 737101	Niwasho1991@gmail.com
28	Ms. Shika Gurung	Nursing	9547668385	SPCON, Gangtok, East Sikkim - 737101	gurungshika5@gmail.com
29	Ms. Kri.Anzana Bhattra	Nursing	7866981340	SPCON, Gangtok, East Sikkim - 737101	zeeneta69@gmail.com
30	Ms. Nawang S. Bhutia	Nursing	9002633610	SPCON, Gangtok, East Sikkim - 737101	ngatsela23@gmail.com
31	Ms. Khusbu Jha	Medical Lab Technician	6297460221	SPCAHS, Gangtok, East Sikkim - 737101	khusboojha12000@gmail.com
32	Ms. Prabina Mishra	Medical Lab Technician	8927918706	SPCAHS, Gangtok, East Sikkim - 737101	yianpraweena@gmail.com
33	Ms. Puja Dhakal	Medical Lab Technician	8753934076	SPCAHS, Gangtok, East Sikkim - 737101	pujadhakal107@gmail.com
34	Ms. Muna Devi Gurung	Environmental & Ecology	7908131545	SPCAS, Gangtok, East Sikkim - 737101	gurungmunna@gmail.com
35	Dr. Suraj Sharma	Pharmacy	9563347897	SPCOPS, Gangtok, East Sikkim - 737101	surajsharma1411@gmail.com
36	Mr. Pranal Chettri	Pharmacy	9832109890	SPCOPS, Gangtok, East Sikkim - 737101	pranalchettri1@gmail.com
37	Mr. Bhupen Subba	Pharmacy	7679168131	SPCOPS, Gangtok, East Sikkim - 737101	bhupenkhwain@gmail.com
38	Miss. Alisha Gazmer	Pharmacy	8918907240	SPCOPS, Gangtok, East Sikkim - 737101	alishagazmerag123@gmail.com
39	Miss. Sadhna Sharma	Pharmacy	8617458115	SPCOPS, Gangtok, East Sikkim - 737101	sharmasadhana029@gmail.com
40	Dharmander Mahato	Pharmacy	8016258044	SPCOPS, Gangtok, East Sikkim - 737101	dm801625@gmail.com
41	Amit Kumar Thakur	Pharmacy	8250261116	SPCOPS, Gangtok, East Sikkim - 737101	amitkumarthakur679@gmail.com
42	Asish Khati	Pharmacy	8927258568	SPCOPS, Gangtok, East Sikkim - 737101	khatiasish@gmail.com
43	Rakesh Kumar Gupta	Pharmacy	9474899806	SPCOPS, Gangtok, East Sikkim - 737101	rakeshgupta0611@gmail.com

44	Priyatam Kumar Yadav	Pharmacy	9334245640	SPCOPS, Gangtok, East Sikkim - 737101	prathamchettri02@gmail.com
45	Rinzing Sherpa	Physiotherapy	7062238796	SPCOP, Gangtok, East Sikkim - 737101	renzinsher35@gmail.com
46	Deepa Khanal	Physiotherapy	8918837608	SPCOP, Gangtok, East Sikkim - 737101	deepakhanal@gmail.com
47	Ganesh Chettri	Physiotherapy	9749496628	SPCOP, Gangtok, East Sikkim - 737101	chettri17ganesh@gmail.com
48	Arjun Limboo	Physiotherapy	8116654531	SPCOP, Gangtok, East Sikkim - 737101	limbooarjun695@gmail.com
49	Sudenla Bhutia	Physiotherapy	8768251989	SPCOP, Gangtok, East Sikkim - 737101	tsezom14@gmail.com
50	Titus Mangar	Physiotherapy	9832369248	SPCOP, Gangtok, East Sikkim - 737101	thapatiusmangar@gmail.com
51	Anisha Rai	Nursing	6296510319	SPCON, Gangtok, East Sikkim - 737101	raianisha967@gmail.com
52	Anashya Pradhan	Nursing	9907229859	SPCON, Gangtok, East Sikkim - 737101	anashuyap@gmail.com
53	Binita Subba	Nursing	9883596927	SPCON, Gangtok, East Sikkim - 737101	binnysubba064@gmail.com
54	Chokila Gurung	Nursing	9800327641	SPCON, Gangtok, East Sikkim - 737101	chokilagurung@gmail.com
55	Eden Bhutia	Nursing	7029507637	SPCON, Gangtok, East Sikkim - 737101	lengzerpaeden@gmail.com
56	Karishma Adhikari	Nursing	8388802195	SPCON, Gangtok, East Sikkim - 737101	54karishmaadhikari@gmail.com
57	Nikita Mukhia	Nursing	8918640245	SPCON, Gangtok, East Sikkim - 737101	mukhianikita46@gmail.com
58	Pema Choden Bhutia	Nursing	8972089332	SPCON, Gangtok, East Sikkim - 737101	pchodenbhutia@gmail.com
59	Prativa Bhandari	Nursing	9832232492	SPCON, Gangtok, East Sikkim - 737101	prativabhandari2003@gmail.com
60	Tenfe Lhamu Bhutia	Environmental & Ecology	8348397234	SPCAS, Gangtok, East Sikkim - 737101	tenfelhamu@gmail.com

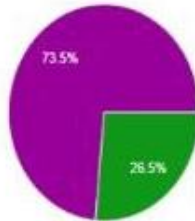
Besides above list, more than 90 delegates participated in the program.

### COURSE FEEDBACK

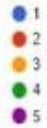
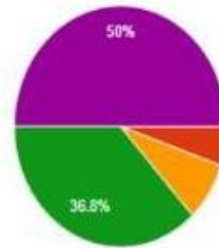
**Delivery Mechanism**  
72 responses



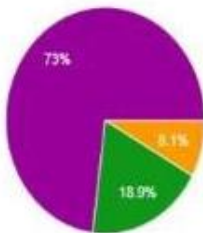
**Query Satisfaction**  
72 responses



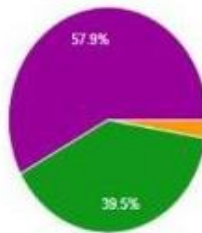
**Clarity of Presentation**  
61 responses



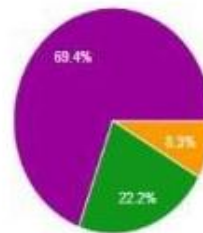
**Engagement of participants**  
67 responses



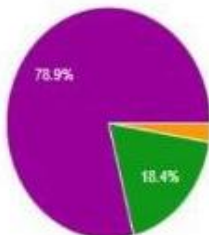
**Clarity of topic**  
63 responses



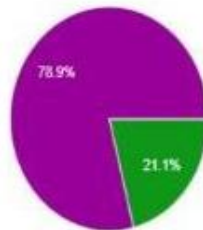
**Coverage of topic**  
61 responses



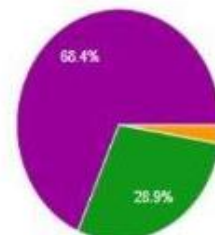
**Examples**  
58 responses



**Relevance of topic**  
64 responses



**IT Support**  
67 responses



## KEY TAKEAWAYS OF THE TRAINING PROGRAMME

1. Risk assessment and education are essential components of DRR, with the aim of protecting lives and livelihoods while minimizing economic and environmental losses.
2. Individuals, communities, and nations can reduce vulnerabilities, improve preparedness, and create a safer, more sustainable future by investing in resilience.
3. Each university in the India Universities and Institutions Network for Disaster Risk Reduction (IUIIN-DRR) can specialize in specific aspects of disaster management and risk reduction relevant to their geographical location or academic strengths.
4. Resilience can only be achieved by adapting to climate adaptive solutions, taking a greener approach, and building local community capacity by involving stakeholders and empowering communities to lead and undertake activities to mitigate the impact.
5. The use of geoscience should be emphasized in an inclusive manner so that youths are equipped with the skills required to work unsustainable approaches for making future developmental practices more sustainable and safer for the community.
6. Incorporating resilience in our society must be addressed at three levels: the global or earth system, the social system comprising infrastructure and industrial capability, and the human system.
7. Policies, investments, and behavioral changes are all critical components in creating a resilient society that can withstand various shocks and stresses, whether they are local or global in nature.
8. In disaster management, teamwork, collaboration, and continuous learning are essential components of a successful and resilient response to crises.
9. Multidisciplinary subjects offer the power to synthesize diverse academic backgrounds, promoting innovative thinking and equipping individuals to tackle complex issues through a holistic and adaptable approach to knowledge and problem-solving.
10. Building financial resilience against natural disasters and increasing disaster-affected populations' financial resilience is critical for mitigating the economic and social impacts of these events.
11. Increasing financial resilience in the face of natural disasters and aiding with disaster-affected populations necessitates a multifaceted approach involving individuals, communities, businesses, and governments at various levels.
12. To reduce overall vulnerability to disasters, it is critical to balance short-term emergency responses with long-term strategies.
13. The Guiding Principles for the FC-XV and Subsequent Finance Commissions, which state that the 15th Finance Commission report is guided by four principles and has made recommendations on all aspects of disaster risk financing based on a review of established practices, both national and international.
14. India's disaster risk financing strategy has evolved to include a mix of traditional relief mechanisms, dedicated funds, insurance products, and international collaborations.
15. During a natural disaster, psychological first aid (PFA) and effective communication are critical components of a humanitarian response.
16. PFA is a compassionate, supportive, and practical approach to assisting individuals in coping with the emotional impact of a crisis or traumatic event.
17. Bureau of Indian Standards (BIS) ensure that construction practices in India meet safety, quality, and performance requirements.

18. Professionals in the construction field, including architects, engineers, contractors, and builders, must adhere to the Bureau of Indian Standards (BIS) to ensure the safety, quality, and durability of construction projects in India.
19. It's important to consult the latest versions of the Bureau of Indian Standards (BIS), as they are periodically updated to reflect advancements in construction technology and best practices.
20. Local communities are frequently the first to respond to disasters, and their knowledge, resources, and social networks are valuable assets in disaster preparation and response.
21. Community based Disaster Risk Reduction is especially important in areas prone to natural disasters like earthquakes, floods, hurricanes, and droughts, but it can also be applied to other types of hazards like those caused by climate change.
22. By empowering communities to take an active role in disaster risk reduction, Community based Disaster Risk Reduction can contribute to more effective and sustainable resilience-building efforts.
23. Understanding the concepts related to hazards, disasters, vulnerability, risks, types of hazards and disasters, phases of disasters, risk management, post-disaster responses, and capacity building is crucial for effective disaster management.
24. Capacity building plays a key role in enhancing a community's ability to prepare for and respond to disasters while minimizing their impact.
25. Several factors influence India's disaster vulnerability profile, including its geographical location, climate, population density, and socioeconomic condition.
26. The multifaceted nature of India's vulnerability to disasters makes effective response an ongoing and complex challenge.
27. India's northeastern region is vulnerable to a variety of natural disasters, and climate change contributes to the risks since it is characterized by mountainous terrain and dense forests.
28. Addressing the disaster risks associated with climate variability in the northeastern states is an ongoing and complex challenge that necessitates a multi-sectoral and multi-disciplinary approach, considering the region's unique characteristics and vulnerabilities.
29. The far-reaching consequences of disasters highlight the critical importance of disaster preparedness, resilience, and global cooperation in addressing and mitigating their effects.
30. Geo-informatics is an indispensable tool in disaster management, helping authorities and organizations prepare for, respond to, and recover from disasters more efficiently and effectively.
31. GIS empowers decision-makers with valuable spatial information that can save lives and reduce the economic and social impact of disasters.
32. Education equips individuals with the knowledge and skills to effectively collect and analyze data, allowing communities to identify potential hazards, vulnerabilities, and resources.
33. Lessons learned from past disasters provide valuable insights into what works and what doesn't, helping communities refine their mapping and risk analysis processes.
34. India must implement a comprehensive disaster risk reduction strategy, with a particular emphasis on its northern regions. This strategy must improve early warning systems, strengthen infrastructure resilience, encourage community-based preparedness for disasters, and address the socioeconomic factors that increase vulnerability.
35. India can lessen the effects of natural disasters and safeguard the lives and livelihoods of its citizens in these vulnerable areas by implementing a multifaceted approach to disaster management.

## Organizing Team

### Patrons:

- Shri Rajendra Ratnoo, IAS, Executive Director, NIDM, MHA , Govt. of India, Delhi
- Prof. (Dr.) H. S. Yadav, Vice-Chancellor, Sikkim Professional University, Tadong, Gangtok.

### Programme Director:

- Prof. (Dr.) Surya Prakash, Head, GMRD and CBRN, NIDM

### Programme Coordinators & Convener:

- Dr. Preeti Soni, Senior Programme Consultant IUINDRR-NIDM.
- Mrs. Hishey L. Bhutia, Principal, SPCON, SPU.
- Dr. Suraj Sharma, Principal, SPCPS, SPU.
- Dr. Kritika Sharma, Principal, SPCOP, SPU.
- Mrs. Muna Devi Gurung, SPCAS, SPU.
- Shri Pramod Kumar Prasad, Convenor
- Dr. Nasiruddin Molla, Network Admin
- Ms Songmit Lepcha, Compere
- Sh Shubham Badola, YP, NIDM

### INAUGURAL SESSION



## GROUP EXERCISE



**Group Exercise 1: Demonstrating the Water harvesting during a disaster**



**Group Exercise 2: Demonstrating to save life during accident caused by a disastrous situation**

**Group Exercise 3: a) Demonstrating to care during a disaster.**



***b) Demonstrating the significance of communication during a disaster.***



***b) Demonstrating the significance of communication during a disaster***



## FIELD VISIT

### Group Photo during Field Visit: Agriculture Science & technology Campus.



### Feedback from the Participants



## Vote of Thanks

***Ms. Songmit, Sikkim Professional College of Nursing, SPU proposed the vote of thanks where she expressed gratitude to the patrons of the training program, The Executive Director, NIDM; Prof. Surya Parkash, Dr. Preeti Soni and External / Internal resource Persons including Principals of SPU and Prof. H. S. Yadav, Vice Chancellor, SPU Tadong, Gangtok and one and all supporting the Program in public interest as well as for their guidance, showing respect and acknowledgment for their contributions.***