



A
Report on
3-Days
Faculty Development Programme (FDP)
on
DISASTER RISK REDUCTION (DRR)

11th March – 13th March. 2024

at

Manipur Technical University

organized by

MANIPUR TECHNICAL UNIVESITY

Supported by

***India Universities and Institutions Network for Disaster
Risk Reduction (IUN-DRR)***

**NATIONAL INSTITUTE OF DISASTER
MANAGEMENT (NIDM),
*Ministry of Home Affairs, Govt of India.***

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MANIPUR TECHNICAL UNIVERSITY

in collaboration with

IUINDRR-NIDM

*Ministry of Home Affairs, Government of India
is hosting a*

3-day

Faculty Development Programme (FDP) on Disaster Risk Reduction (DRR)

from March 11-13, 2024.

Highlights:

- * Certificates from IUINDRR-NIDM, Ministry of Home Affairs, Government of India.
- * Prepare for the upcoming implementation of DRR as a compulsory subject in all undergraduate courses.
- * Enhance your teaching and career prospects by gaining expertise in DRR.

*Open to all interested faculty members!
Nominate two faculty members from your college!*

Only A Few Seats Left

Contact: Kosygin Leishangthem, Nodal-Officer, IUINDRR-NIDM, MTU



3-Days

Faculty Development Programme (FDP)

on

DISASTER RISK REDUCTION (DRR)

11th-13th March, 2024.

at the Incubation Hall

Manipur Technical University, Takyel-Pat. Imphal

Organised by

MANIPUR TECHNICAL UNIVERSITY

Supported by

India Universities and Institutions Network for Disaster Risk Reduction (IUIN-DRR)

National Institute of Disaster Management (NIDM)

Ministry of Home Affairs, Government of India.

PREFACE

The National Institute of Disaster Management (NIDM), established under the Disaster Management Act, 2005, plays a central role in strengthening India's capacity to address disasters. NIDM leads efforts in human resource development, training, research, and policy advocacy for disaster risk reduction (DRR).

In line with this mission and following the agenda set by the Honorable Prime Minister, NIDM established the Indian Universities and Institutions Network on Disaster Risk Reduction (IUINDRR-NIDM). This network aligns with global initiatives like Climate Change Adaptation (CCA), the Sendai Framework for Disaster Risk Reduction, and Sustainable Development Goals (SDGs).

IUINDRR-NIDM envisions a future where communities are equipped to face disasters. We achieve this by:

- Promoting education and research: We foster knowledge creation and innovation in disaster management.
- Facilitating capacity development: We train individuals and institutions to effectively manage disaster risks.
- Supporting informed decision-making: We provide tools and resources to address local vulnerabilities and support the most disaster-prone communities.

Through collaboration and knowledge sharing, IUINDRR-NIDM strives to build a network of universities and experts, ultimately creating a nation and communities that are safe and resilient in the face of disasters.

Manipur Technical University: A Rising Star in Technical Education, Established in 2016, the Manipur Technical University (MTU) is the first of its kind in the state. Recognized by the UGC and empowered to award degrees, MTU is poised to become the central hub for technical education in Manipur. All technical institutions in the state will eventually be affiliated with MTU.

While awaiting accreditation from NBA, NAAC, and AICTE (accrediting bodies), MTU is actively building its capacity. This includes developing modern infrastructure, attracting highly qualified faculty from across India, and fostering a research-oriented environment.

MTU not only offers quality education but also provides excellent opportunities for students and faculty. The university actively encourages faculty research and collaborates with prestigious industries to create industry-sponsored projects and internships for students. Additionally, MTU

organizes training programs for students, faculty, and industry professionals, fostering a well-rounded learning environment.

Highlighting Achievements:

- This FDP is the second training program that is held in collaboration with NIDM under the leadership of Er. Kosygin Leishangthem (Department of Civil Engineering).
- One of the first four members of the IUINDRR-NIDM.

In closing, we would like to express our sincere gratitude to Ms. Grace for her invaluable collaboration throughout this Faculty Development Program (FDP) on Disaster Risk Reduction (DRR). Her contributions extended far beyond the call of duty. Ms. **Grace Zaphia Jajo** not only played a key role in securing esteemed resource persons and speakers for the program, but also generously volunteered her time to conduct three insightful classes herself. Her dedication and expertise significantly enriched the learning experience for all participants. We are truly grateful for her commitment to promoting disaster preparedness education.

3-Days Faculty Development Programme (FDP) on Disaster Risk Reduction (DRR)

PROGRAMME SCHEDULE

11th March 2024 (Day – 1)

Time	Session	Speaker
09:00 -09:45 am	Registration	
9:45 am – 10:00 am	Welcome Address, Key-Note Address - Ice Breaking session	
10:00 am-11:00 am	Basic Concept of Disaster Management and Vulnerability	AK Ranjit Kumar Singh Documentation cum Research Officer (DRO), Relief and Disaster Management, Government of Manipur
11:00am - 11:15 am	Tea Break	
11:15am-12:15 pm	Institutional Mechanism and Technolegal Framework for Disaster Management in India	Grace Zaphia Jajo Senior Consultant/SFDRR, Relief and Disaster Management Dept., Govt of Manipur
12:15 pm - 01:00 pm	Lunch	
01:00 pm – 2:00 pm	Impacts and challenges of disaster and climate change risks on sustainable development in Manipur	Dr T. Brajakumar Singh Director Directorate of Environment and Climate Change, Govt of Manipur
2:00 pm–02:15 pm	Tea Break	
02:15 – 3:15 pm	Relevance of disaster management plans and emergency plans.	Gaithuingam Golmei District Coordinator, Relief and Disaster Management Dept., Govt of Manipur
3:15pm -04:30 pm	Expectations from Participants (Group Discussion)	

12th March 2024 (Day – 2)

Time	Session	Speaker
10:00 am-11:00 am	Application of Remote Sensing and GIS in Disaster Risk Management.]	Dr RK. Chingkhei, Faculty, Dept. Of Forestry & Environmental Science, Manipur University
11:00 to 11:15 am	Tea Break	
11:15 am-12:15 pm	Landslide Disaster Risk Reduction and Resilience	Dr. Dolendro Thingujam Principal Geologist at Geoconsult India
12:15 pm – 01:00 pm	Lunch	
01:00 pm - 2:00 pm	Earthquake Disaster Mitigation Scenario of North East India	Dr Manichandra Sanoujam Project Officer, Manipur University & Senior Consultant (Scientific), Directorate of Environment and Climate Change, Govt Of Manipur
2:00 pm–02:15 pm	Tea Break	
02:15 pm – 3:15 pm	Importance of incorporating DRR in higher education as a shared responsibility.	Grace Zaphia Jajo Senior Consultant/SFDRR, Relief and Disaster Management, Govt of Manipur
3:15 pm - 4:15 pm	Geotechnical aspect of Landslide hazard reduction in Manipur	Dr. Heisnam Sanatomba Singh Assistant Professor, Pravabati College

13th March 2024 (Day – 3)

Time	Session	Speaker
10:00 am-11:00 am	Inclusive and child-centric approach in disaster management	Grace Zaphia Jajo Senior Consultant/SFDRR, Relief and Disaster Management Dept., Govt of Manipur
11:00 am -11:15 am		Tea Break
11:15 am-12:15 pm	Disaster reporting: Items and norms of relief assistance.	Gaithuingam Golmei District Coordinator, Relief and Disaster Management Dept., Govt of Manipur
12:15 pm-01:00 pm		Lunch
1:00 pm-2:00 pm	Construction Techniques as per Indian Standard	Er. Kosygin Leishangthem Assistant Professor, Department of Civil Engineering, MTU
2:00 pm-02:15 pm		Tea Break
2:15 pm – 3:15 pm	Building community resilience through volunteerism.	Ph Hemolata, Senior Instructor, Civil Defence. Relief and Disaster Management, Govt of Manipur
3:15 pm to 4:00 pm		Valedictory Function & Distribution of Certificate

Participants with at least 75% attendance will receive a Certificate of Completion.

Attendance will be recorded twice daily.

REGISTRATION



Join WhatsApp



Chapter 5.

About the Training Programme

Introduction

A 3-day Faculty Development Program (FDP) on Disaster Risk Reduction (DRR) commenced today at Manipur Technical University. The program is being jointly organized by the Indian Universities and Institutions Network on Disaster Risk Reduction (IUINDRR-NIDM) and the Ministry of Home Affairs, Government of India. This report summarizes the key findings and outcomes of a three-day Faculty Development Programme (FDP) on Disaster Risk Reduction (DRR) held at Manipur Technical University (MTU) from 11th March 2024 to 13th March 2024. The program was supported by the India Universities and Institutions Network for Disaster Risk Reduction program, a collaborative initiative of the National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Government of India.

The FDP aimed to equip faculty members from various disciplines across Manipur with the knowledge and skills necessary to integrate DRR principles into their teaching and research. This initiative is crucial for building a disaster-resilient society in Manipur, a state prone to various natural hazards.

The report includes details on the program's objectives, participants, curriculum, key lectures, and activities. It also highlights the key takeaways and recommendations for future DRR capacity-building efforts in Manipur.

Chapter-6

First Day

Welcome Address: Dr. L. Iboyaima Singh, Coordinator, IQAC MTU, delivered the welcome address, officially inaugurating the 3-day FDP on DRR.

Keynote Address: The program continued with a keynote address by Kosygin Leishangthem, Course Co-ordinator, IUINDRR-MTU. It is expected that Mr. Leishangthem's address provided a comprehensive overview of the field of DRR and its significance.

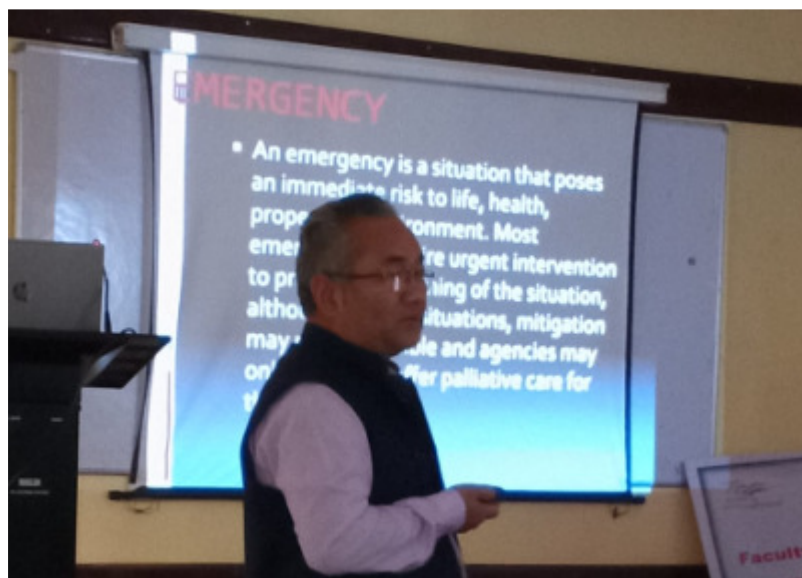
Followed by a self-introductions as an *ice-breaking activity* is a simple yet effective way to create a positive and engaging learning environment for your FDP. By implementing the strategies and prompts above, you can encourage interaction, knowledge sharing, and foster a sense of community among participants. This strong foundation will contribute to a more successful and enriching FDP experience for everyone involved. Followed by a group Photo Session.



First Day, Session – I: Basic Concept of Disaster Management and Vulnerability

by **AK Ranjit Kumar Singh**, *Documentation cum Research Officer (DRO), Relief and Disaster Management, Government of Manipur.*

The first session of a 3-day Faculty Development Program on Disaster Risk Reduction (DRR) dove into the fundamental concepts of disaster management and vulnerability. It unpacked the difference between hazards and disasters, emphasizing that disasters arise from the interaction of hazards (natural or human-made) with vulnerable communities. The session might have explored how factors like location, socioeconomic status, and access to resources influence vulnerability, highlighting the importance of understanding these factors to effectively manage disaster risks.



First Day, Session II: Institutional Mechanism and Technolegal Framework for Disaster Management in India

by **Grace Zaphia Jajo**, *Senior Consultant/SFDRR,, Relief and Disaster Management, Dept., Govt of Manipur*

This session will delve into the two pillars supporting disaster management in India: institutions and legal frameworks. You'll learn about the National Disaster Management Act (NDMA) of 2005, which established a multi-level institutional hierarchy for disaster response, preparedness, mitigation, and recovery. This includes the National Disaster Management Authority (NDMA) at the apex, State Disaster Management Authorities (SDMAs) at the state level, and District Disaster Management Authorities (DDMAs) at the district level. The session will also explore technolegal aspects like model building by-laws, land-use regulations, and zoning controls that aim to create safer infrastructure and development practices. By understanding these mechanisms, you'll gain insight into how India is working to proactively manage disasters and reduce their impact.



Speaker Ms, Grace Zaphia Jajo being Falicitated by Dr. Heisnam Sanatomba singh a Participant of the FDP after the Session

First Day, Session III: Impacts and Challenges of Disaster and Climate Change Risks on Sustainable Development in Manipur.

by Dr T. Brajakumar Singh, Director, Directorate of Environment and Climate Change, Govt of Manipur

This session focused on how disasters and climate change threaten sustainable development in Manipur. Speakers might have discussed:

- How extreme weather events, floods, landslides, and other disasters can damage infrastructure, disrupt livelihoods, and hinder economic growth.
- How climate change can worsen these existing risks, causing more frequent and intense disasters.
- The challenges Manipur faces in balancing economic development with environmental protection in the context of these risks.
- The session might have concluded with recommendations for how Manipur can build resilience to disasters and climate change, such as investing in early warning systems, improving infrastructure, and promoting sustainable development practices.



*Speaker **Dr T. Brajakumar Singh** being Felicited by **Dr. L. Sunil Singh** a Participant of the FDP after the Session*



*A Photo Session with **Dr T. Brajakumar Singh**, Director, Directorate of Environment and Climate Change, Govt of Manipur*

First Day, Session IV: “Relevance of Disaster Management Plans and Emergency Plans” by **Gaithuingam Golmei**, *District Coordinator, Relief and Disaster Management Dept., Govt of Manipur*

This session explored the critical role of disaster management (DM) plans and emergency plans (EMPs) in mitigating the impact of disasters. We learned that DM plans provide a comprehensive framework for preparedness, response, recovery, and mitigation activities across various stakeholders. EMPs, on the other hand, focus on immediate actions during a specific emergency. Both plans are crucial for minimizing loss of life, and property damage, and ensuring a swift and effective response. The session emphasized the importance of tailoring these plans to specific hazards, keeping them up-to-date through regular reviews and drills, and ensuring clear communication and coordination among all involved parties.



*Speaker **Gaithuingam Golmei** being Felicited by **Umarani Paonam**
a Participant of the FDP after the Session*

First day, Session V: Group Discussion

The Group Discussion of the 3-day FDP on Disaster Risk Reduction (DRR) focused on education through a group discussion. Participants explored how to effectively integrate DRR principles and practices into educational systems. The discussion covered topics such as curriculum development, incorporating disaster preparedness drills, and raising awareness among students and educators. This session aimed to equip participants with the knowledge and tools to make educational institutions proactive in building a culture of safety and resilience towards disasters.

Activities

The first day of the 3-day Faculty Development Programme (FDP) on Disaster Risk Reduction (DRR) focused on equipping participants to integrate DRR concepts into their

specific subject areas. To achieve this, participants were tasked with an individual assignment. This assignment involved analyzing the DRR syllabus draft created by IUINDRR-NIDM (an organization likely involved in DRR curriculum development) and identifying potential ways to incorporate those DRR principles into their teaching specializations. This exercise aimed to bridge the gap between theoretical DRR knowledge and its practical application within various academic disciplines.



Assignment

FDP - Assignment

Analyzing the Syllabus for DRR Integration

Welcome everyone!

Take a few minutes to review the DRR syllabus we've provided.

Think about how your own expertise in [participant's subject/specialization] can be incorporated into this framework.

- Q 1) Briefly introduce yourself and your subject area.
- Q 2) How does your subject area intersect with disaster risk reduction?
- Q 3) Can you identify specific examples from your field that illustrate DRR principles?
- Q 4) How can your knowledge be used to design engaging activities or projects for DRR students?
- Q 5) Share one or two ways you envision integrating your subject with the DRR curriculum.
- Q 6) Are there any challenges you foresee in this integration?

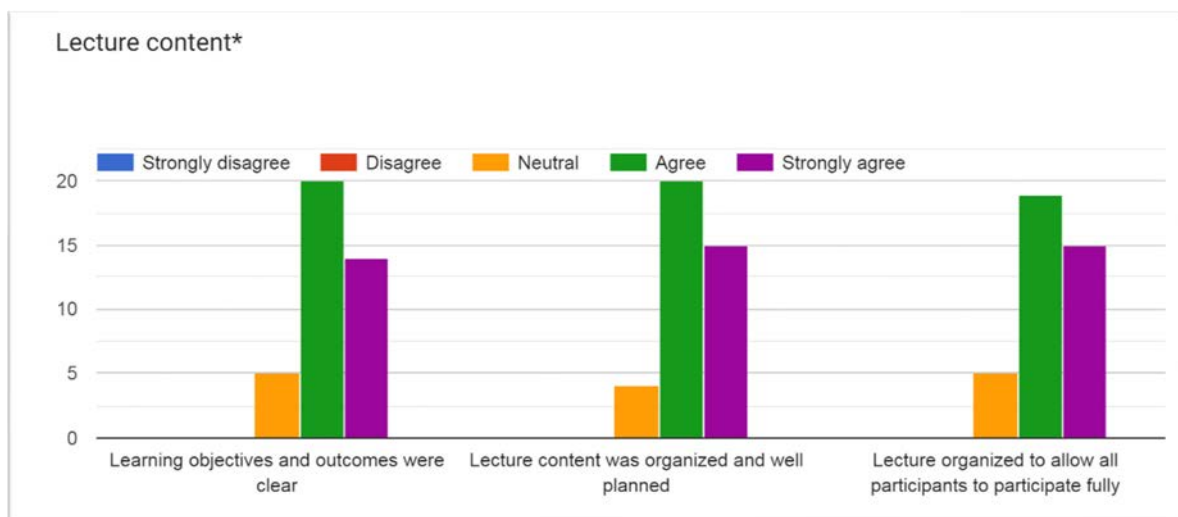
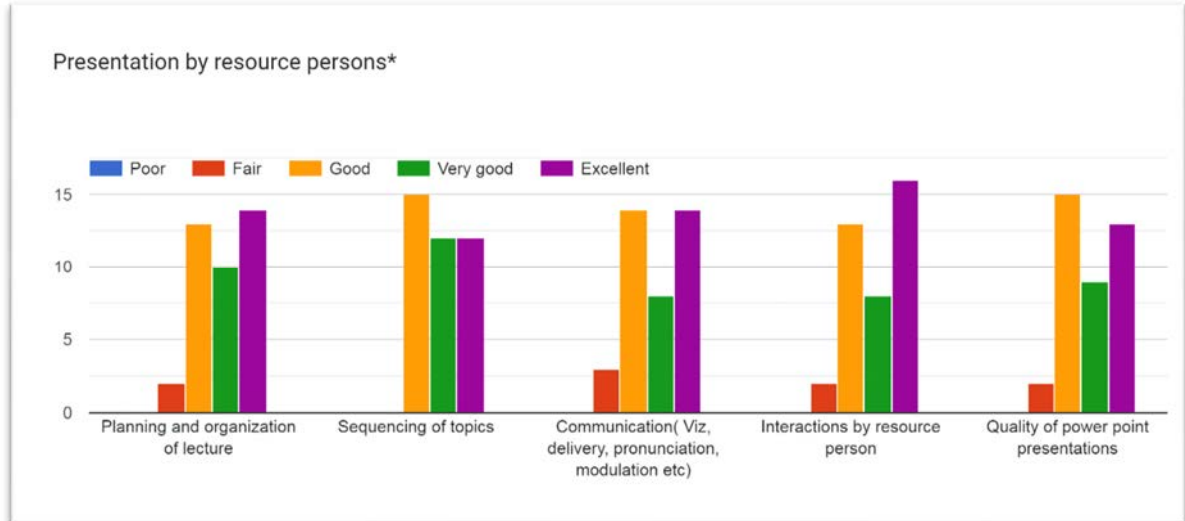
Let's discuss it! Share your thoughts on how your field can contribute to a more comprehensive DRR approach.

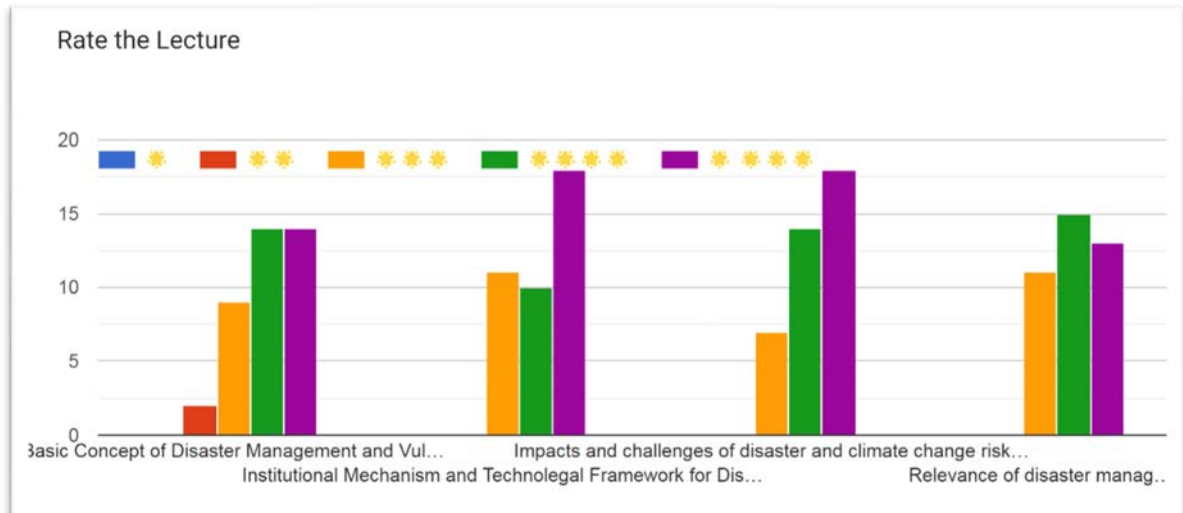
Due date: 13th March 2024

68 % of the Participants submitted Assignments

Feedback of First day

To gauge its effectiveness, anonymous feedback was collected daily, ensuring participants' privacy.





Q. What aspects of these lectures were most useful or valuable? (optional)

1. Almost every aspect
2. Climate changes & disaster management plans were most valuable to me.
3. Useful information for future
4. Learning about the various alerting protocol of disaster management.
5. All lectures are valuable for me.
6. We got to know a lot of new and useful information which has opened up a new perspective.
7. Relevance of disaster management and plans and emergency plans were most useful
8. Impact and challenges of disaster and climate change risk on sustainable development in Manipur is more useful and valuable to me.
9. Lectures and topics are very interesting and that helpful to gain the knowledge
10. Preparedness, sources of relief, awareness of different agencies,
11. The are of Risk management and mitigation plan.
12. Important of environment to human being
13. From the lectures , I am able to gain new ideas about the disaster and disaster risk reduction.
14. Risk reduction of Dr. T. Brajakumar Singh
15. Basic concepts of disaster management and vulnerability
16. Impacts and challenges of disaster, relevance of disaster management and plan.
17. Impacts and challenges of climate change and disaster risk
18. All lectures are good and well. We got optimum experiences from every lectures.
19. Every lectures were really impressive. looking forward to more interesting ones
20. Disaster reporting and challenges of disaster
21. Impact and challenges of disaster
22. Disaster reporting
23. All aspects of these lectures were most useful.
24. Sustainable development in Manipur

25. These lectures give me a broad knowledge about the disaster management.
26. Reduction of risk, good management after disaster, need of awareness to the citizens
27. We know that climate change and disaster relationship from experts lecturrs. We have learnt about different type of disaster and how we can take help from the authority.
28. Disaster Risk
29. Valuable
30. All lectures

Any other suggestions (optional)

1. Need more training days
2. Today session was quite good. Lots of new thing came to know, thanks for organising such FDP. Hope that in near future also kindly organise such FDP for one week duration, so that we learn more about Disaster management.
3. Thanking you.
4. More such programs need to be conducted
5. This type of FDP should be performed fluently to improve our knowledge.
6. Screen is not good.
7. Wishing to have a great and more successful FDP will be organised
8. Organize various activities and programs in different institutions
9. Abstract of the presentation is necessary to understand subject/topic before the presentation
10. Mock test if possible.
11. Everything is well and good
12. More topics on policy framing and implementation process as well as damage to environment and biodiversity due to disaster
13. Would like to experiences from different case study as examples so that those examples shall assist us to implement in the field.
14. Kindly incorporate Mock drilling, practical's and ways for prevention, preparedness and mitigation for disaster management in the coming courses in future
15. Research oriented topics related to disaster risk reduction
16. Satisfied
17. Research oriented topics related to disaster risk reduction
18. If more lectures on DRR are given then it will be more useful.
19. It would be better to do for one week or more.

20. Seminar for Disaster recovery at the state level for both school & higher education institutions
21. Give us an opportunity to participate another programme for academic point of view like 15 days or 21 days in near future. We hope it may come.
22. Frequently conduct the program
23. Keeping the time
24. More lectures required

Chapter - 7

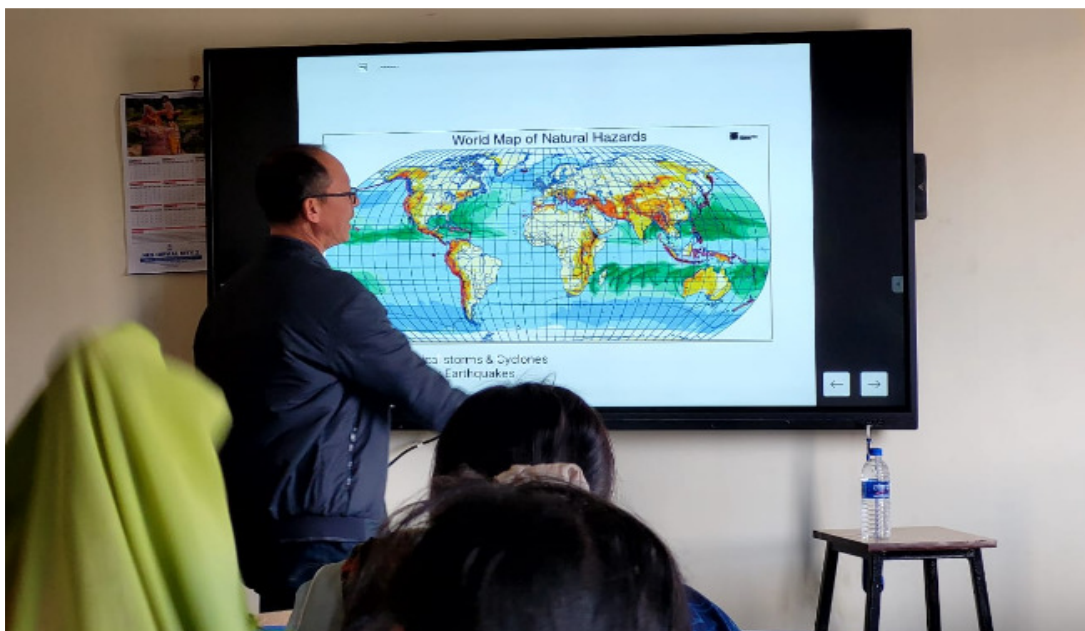
Second Day

Due to unforeseen circumstances, the lecture hall for Day 2 (tomorrow) has been shifted from the Incubation Centre Hall to the 6th Semester Civil Engineering Classroom.

Second day, Session I: Application of Remote Sensing and GIS in Disaster Risk Management.

Dr RK. Chingkhei, Faculty, Dept. Of Forestry & Environmental Science, Manipur University

The session focused on the application of Remote Sensing (RS) and Geographic Information Systems (GIS) in disaster management. This session covered how RS data, like satellite imagery, and GIS software can be used to create hazard maps that identify areas at risk for floods, landslides, earthquakes, and other disasters. This information is crucial for planning and preparedness efforts, such as evacuation route development and building code creation. The session might have also explored how RS and GIS aid in real-time disaster monitoring, damage assessment, and resource allocation during a crisis, ultimately promoting faster response and improved recovery outcomes.





*Speaker **Dr RK. Chingkhei** being Falicitated by **N. Talini**
a Participant of the FDP after the Session*

Second day, Session-II : Landslide Disaster Risk Reduction and Resilience

***Dr. Dolendro Thingujam**, Principal Geologist, Geoconsult India*

The second session of day two of the three-day Faculty Development Program on Disaster Risk Reduction (DRR) focused on Landslide Disaster Risk Reduction and Resilience. The session explored the causes and mechanisms of landslides, their impact on communities, and strategies for reducing landslide risk.

Key topics covered in the session included:

- Identifying areas susceptible to landslides
- Landslide warning systems and evacuation plans
- Landslide mitigation techniques such as slope stabilization and drainage control
- Community preparedness and risk reduction measures

The session emphasized the importance of resilience in landslide-prone areas. This may have involved discussions on building practices that can withstand landslides, as well as community-based approaches to disaster preparedness and response.



*Speaker **Dr. Dolendro Thingujam** being Felicited by **Dr. K Sachidananda Singh** a Participant of the FDP after the Session*

Second day, Session III: Earthquake Disaster Mitigation Scenario of North East India

Dr Manichandra Sanoujam, Project Officer, Manipur University & Senior Consultant (Scientific), Directorate of Environment and Climate Change, Govt Of Manipur

This session of the 3-day FDP on Disaster Risk Reduction (DRR) delved into the specific challenges and mitigation strategies for earthquake disasters in North East India. Experts discussed the region's vulnerability to earthquakes due to its location on seismic zones and the prevalence of certain types of structures. The session probably explored various mitigation strategies, including earthquake-resistant building codes, land-use planning, public awareness campaigns, and preparedness drills. Participants gained valuable insights into how to reduce the risk of earthquake disasters and improve the region's resilience to these events.



*Speaker **Dr Manichandra Sanoujam** being Felicitated by **Moirangthem Ranjana Devi** a Participant of the FDP after the Session*

Second day, Session IV: Importance of Incorporating DRR in Higher Education as a Shared Responsibility

by **Grace Zaphia Jajo**, *Senior Consultant/SFDRR., Relief and Disaster Management, Dept., Govt of Manipur*

This session of the 3-day FDP on DRR explored the critical role of integrating DRR principles into higher education curriculums. The discussion emphasized the shared responsibility of educational institutions, policymakers, and individuals in ensuring a more disaster-resilient society. Key topics covered the benefits of DRR education, including fostering a culture of safety, equipping students with risk reduction skills, and enabling them to become informed citizens who can contribute to community preparedness efforts. The session might have also addressed challenges in incorporating DRR into higher education and explored potential solutions, such as curriculum development, faculty training, and collaborative partnerships between educational institutions and disaster management agencies.



*Speaker **Grace Zaphia Jajo** seriously taking a session*

Second day, Session V: Geotechnical aspect of Landslide hazard reduction in Manipur

By Dr. Heisnam Sanatomba Singh, Assistant Professor, Pravabati College

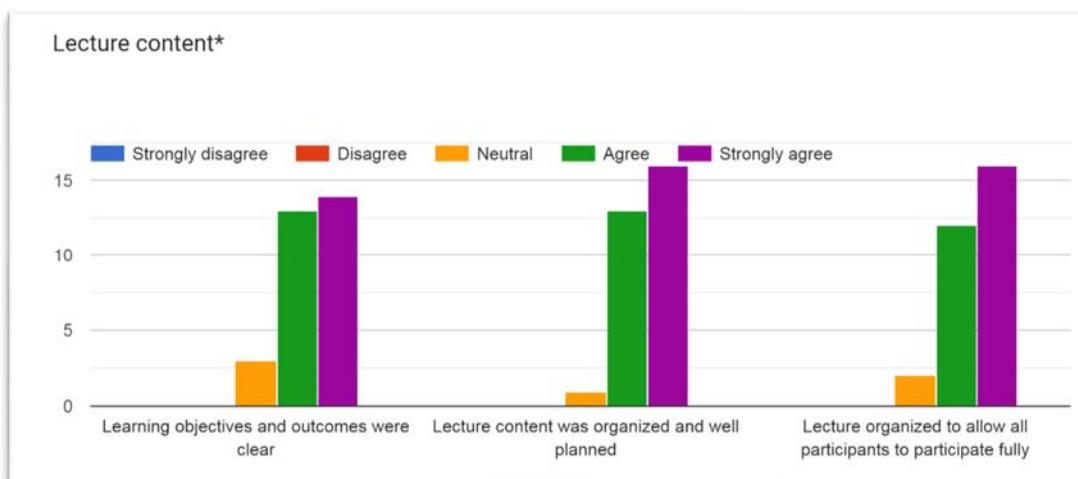
This Session focused on geotechnical aspects of landslide hazard reduction in Manipur. The session, titled 'Geotechnical aspect of Landslide hazard reduction in Manipur,' covered topics like identifying landslide-prone areas, analyzing slope stability, and exploring mitigation techniques using geotechnical engineering principles. Participants might have learned about soil properties, slope angles, drainage issues, and the role of vegetation in slope stabilization. The session would have been beneficial for engineers, geologists, and disaster management professionals working in Manipur, a state highly susceptible to landslides.



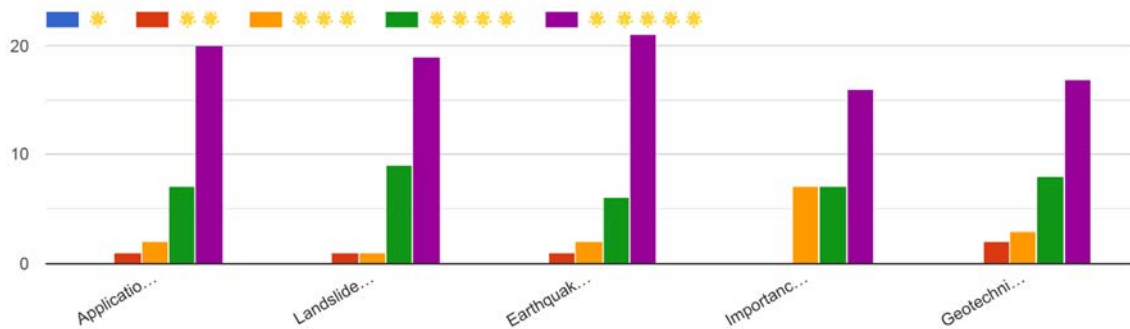
*Speaker **Dr Heisnam Sanatomba** being Felicited by **Dr, RK Haripriya Devi**
a Participant of the FDP after the Session*

Feedback of Second day

To gauge its effectiveness, anonymous feedback was collected daily, ensuring participants' privacy.



Rate the Lecture



Q. What aspects of these lectures were most useful or valuable? (optional)

1. Application of remote sensing and GIS in DRR
2. Enlightening various disaster at local level and application of modern technology like remote sensing and GIS in mitigation and management of DRR.
3. Very insightful
4. It helps me new knowledge about the disaster and DRR.
5. Landslide hazard reduction
6. Application of Remote Sensing and GIS in Disaster Risk Management- Dr RK. Chingkhei is more valuable to me
7. Remote sensing by Dr. Chingkhei and Earthquake disaster mitigation by Dr .Manichandra
8. Remote sensing and GIS in Disaster management
9. Gaining in-depth knowledge of remote sensing
10. Topics are very helpful
11. Geotechnical aspect of Landslide hazard reduction in Manipur were most useful to me.
12. Recommend to concern authority to implement the expert point of views to their future development plan
13. All lectures are useful.
14. Earthquake Disaster Mitigation Scenario of North East India were most useful or valuable.
15. Remote sensing applications for disaster risk management
16. All lectures
17. Remote sensing and GIS in Disaster risk management

18. Application of GIS for mapping and others.
19. These lectures are very good information all about the disaster.
20. Basic ideas & concept are very beneficial to the beginners
21. Very useful
22. Earthquake disaster mitigation
23. Sustainable development , decision making
24. DRR with its relation to other disciplines.

Any other suggestions

1. A little bit hands on experience in possible area will be fantastic.
2. Satisfied
3. Interruption of power should be minimized
4. No
5. To supply the research paper related to experts' presentation to all participants if interested
6. It should be performed fluently to improve our knowledge.
7. As to make aware of disaster risk management various programs should be conducted in different institutions
8. Nil
9. Lectures on Flood disaster
10. Wide spread of awareness.
11. It would be better to have atleast one week programme.
12. As the program is of multi-disciplinary, we need material of every topic/ lecture.
13. Very challenging
14. These information's are required to aware in the schools, college and public. So better to reach as quickly as possible.

Chapter-8

Third Day

Third Day, Session I: Disaster reporting: Items and norms of relief assistance.

by **Grace Zaphia Jajo**, *Senior Consultant/SFDRR,, Relief and Disaster Management, Dept., Govt of Manipur*

The third day of the 3-day FDP on Disaster Risk Reduction (DRR) focused on incorporating an inclusive and child-centric approach into disaster management strategies. This session explored the unique vulnerabilities children face during disasters and emphasized the importance of including their perspectives and needs in preparedness, response, and recovery efforts.



*Speaker **Grace Zaphia Jajo**, open House Discussion with a Participant of the FDP after the Lecture*

Third Day, Session II: Disaster reporting: Items and norms of relief assistance.

By **Gaithuingam Golmei**, *District Coordinator, Relief and Disaster Management Dept., Govt of Manipur*

This session focused on the role of media in reporting disasters and the importance of accurate information. It would cover the types of items typically included in relief assistance, as well as the norms and regulations governing how aid is distributed. Participants would likely learn about best practices for reporting on disasters in a way that is sensitive to the needs of those affected and that avoids sensationalism.



Third Day, Session III: Construction Techniques as per Indian Standard

By Er. Kosygin Leishangthem, Assistant Professor, Department of Civil Engineering, MTU

The final session focused on ensuring safe and resilient structures through adherence to Indian Standards (IS) in construction techniques. Key points likely covered:

- Importance of using IS codes like IS 456 (for plain and reinforced concrete) and IS 457 (for massive concrete structures) for material selection, mix design, construction practices, and quality control.
- Understanding how these standards guide the construction of various building elements to withstand natural hazards.
- Possible exploration of emerging techniques in the National Building Code (NBC) like prefabrication for faster, safer construction and the use of alternative materials for improved building performance.

By following IS codes, construction professionals can ensure their projects meet safety and durability requirements, ultimately contributing to Disaster Risk Reduction (DRR) efforts.



Third Day, Session IV: Building community resilience through volunteerism.

By *Ph Hemolata*, Senior Instructor, Civil Defence, Relief and Disaster Management, Govt of Manipur

The final day last session of the 3-day FDP on Disaster Risk Reduction (DRR) concluded with a session titled "Building Community Resilience through Volunteerism." This session likely focused on the importance of volunteers in strengthening community preparedness and response to disasters. It may have explored how volunteers can contribute in areas like risk reduction initiatives, public awareness campaigns, and emergency response efforts. The discussion likely emphasized how volunteerism fosters a sense of community ownership in DRR, ultimately leading to a more resilient society.





Speaker **Ph Hemolata** being Felicited by **Dr. N. Chandrashekhar Singh**
a Participant of the FDP after the Session

Third Day: Valedictory Function & Distribution of Certificate

The valedictory function marked the successful conclusion of the 3-day FDP on Disaster Risk Reduction (DRR). The function commenced with a welcome address by the program coordinator (or designated person). This was followed by a brief overview of the key topics covered during the program and the importance of DRR in building resilient communities.

Highlights:

- Certificates were distributed to participants who demonstrated a minimum of 75% attendance throughout the FDP.
- The Registrar as the chief guest, delivered a speech emphasizing the significance of DRR in the educational sector and its role in preparing institutions for potential disasters.
- The Finance Officer, as guests of honour, addressed the gathering, highlighting the university's commitment to incorporating DRR measures and fostering a culture of preparedness.

The collaborator of this FDP **Ms. Grace Zaphia Jajo**, *Senior Consultant/SFDRR*, Relief and Disaster Management Dept., Govt of Manipur, delivered to the resource persons, organizers, and participants for their contribution to the successful completion of the FDP. The valedictory function concluded with a closing address reiterating the key takeaways from the program and encouraging participants to implement their learnings in their respective fields.

Feedback of Second day

To gauge its effectiveness, anonymous feedback was collected daily, ensuring participants' privacy.

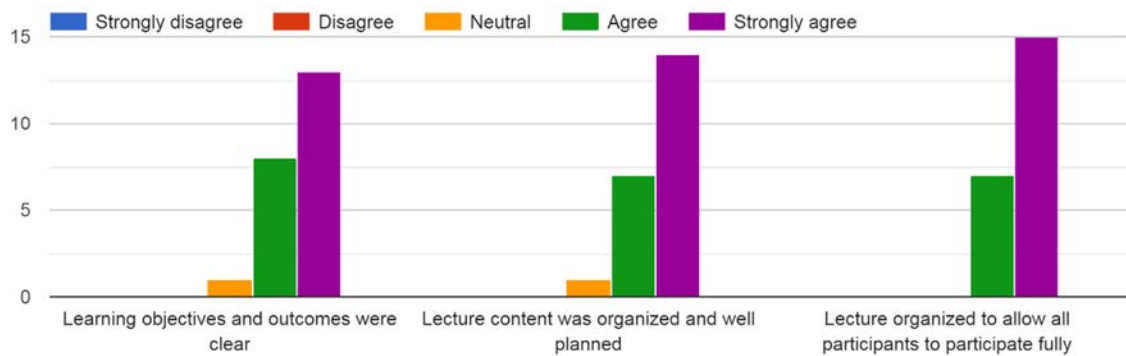
Presentation by resource persons*



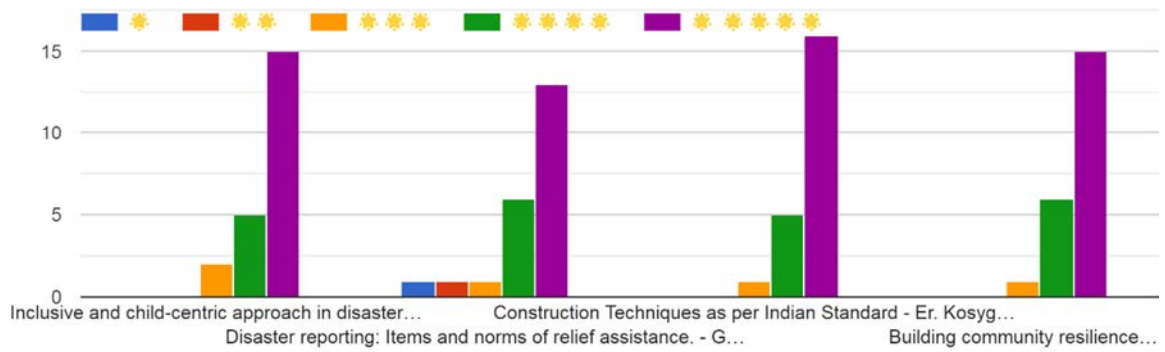
Contribution to learning*



Lecture content*

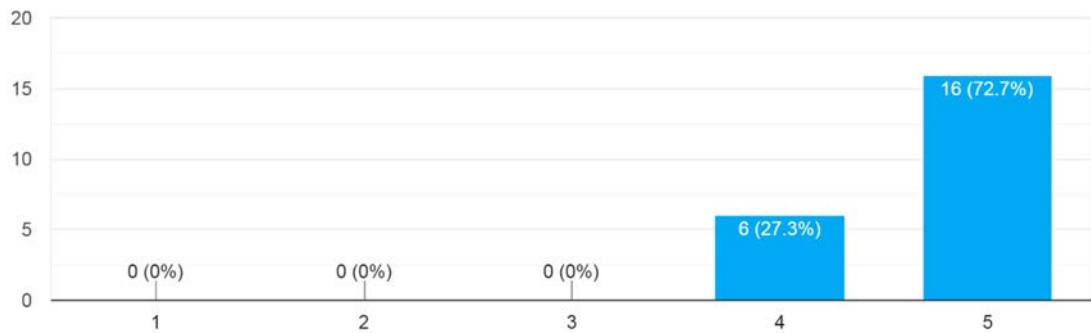


Rate the Lecture



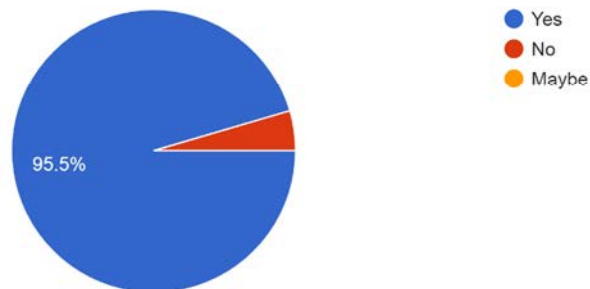
Overall, how do you rate the program you attended in terms of usefulness and effectiveness?

22 responses



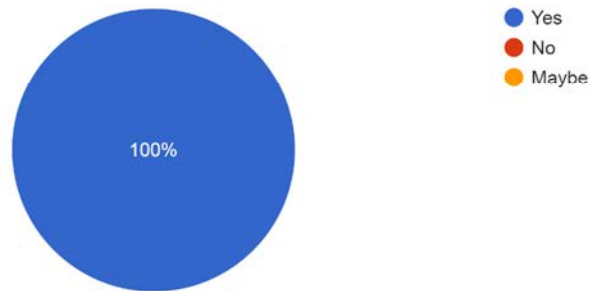
Would you be interested in continuing your professional development by attending similar programs offered at our university?

22 responses



Would you be interested in continuing your professional development by attending similar FDP offered by IUINDRR-NIDM?

22 responses



Any other suggestions

1. No
2. It will be more informative if practical classes are also included.
3. Nil
4. Need of another fdp with necessary practicals and longer days
5. Include some aspects of practical please.
6. Inclusion of practical sessions
7. Would suggest various such programs
8. To conduct such types of programmes in future.
9. Needs hands on training program
10. Need more such things
11. It would be better if duration of the programme is at least one week.
12. Please arrange 15 to 21 days duration programme during the vacation time is quite convenient to all the faculty

Photo gallery





**3-Days Faculty Development Programme (FDP) on
DISASTER RISK REDUCTION (DRR)**

at

Manipur Technical University

11th March – 13th March, 2024

List of Participants

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FDP Feedback: A Look at Strengths and Areas for Improvement

The 3-day Faculty Development Program (FDP) on Disaster Risk Reduction (DRR) organized by Manipur Technical University (MTU) with support from IUINDRR-NIDM aimed to equip educators with the knowledge and tools to integrate DRR into their teaching. To gauge its effectiveness, anonymous feedback was collected daily, ensuring participants' privacy. Here's a glimpse into the program's strengths and areas for improvement based on the feedback:

Positive Feedback (Strengths):

- **Content Relevance and Delivery:** Participants appreciated the program's content for being relevant and informative. They found the delivery engaging and effective, highlighting the expertise of the trainers.
- **Practical Applications:** Feedback suggests the program effectively addressed practical applications of DRR principles. This focus on real-world implementation equips educators to translate theory into actionable knowledge for their students.
- **Collaboration and Networking:** The program fostered a sense of collaboration and networking among participants. This creates a valuable support system for educators as they integrate DRR into their curriculums.

Areas for Improvement:

- **Program Duration:** A recurring theme in the feedback was a request for a longer program duration. Participants expressed a desire to delve deeper into specific DRR topics. This suggests a need to consider extending future programs.
- **Focus on Local Context:** While the overall content was well-received, some participants suggested incorporating more focus on disaster risks specific to Manipur. Tailoring the program to address local vulnerabilities can enhance its relevance and effectiveness.
- **Interactive Activities:** Some feedback indicated a desire for more interactive activities to enhance engagement and knowledge retention. Exploring different teaching methods can contribute to a more dynamic learning experience.

Moving Forward:

The anonymous feedback provides valuable insights into the strengths and weaknesses of the DRR FDP. By considering this feedback, MTU and IUINDRR-NIDM can refine future programs for even greater impact. Here are some potential improvements based on the feedback:

- **Extend Program Duration:** Explore extending the program duration to allow for deeper dives into specific DRR topics.
- **Incorporate Local Context:** Develop program modules that address disaster risks specific to Manipur, ensuring the curriculum's relevance to local needs.
- **Integrate Interactive Activities:** Employ a wider range of interactive activities, such as case studies, simulations, and group discussions, to enhance engagement and learning.

By addressing these areas, future DRR FDPs can build upon the program's successes and equip educators even more effectively to integrate DRR into their teaching. This will contribute significantly to building a more resilient Manipur prepared to face future disasters.

Key Takeaway of the Training Programme

This 3-day Faculty Development Program (FDP) on Disaster Risk Reduction (DRR), an initiative by the Indian Universities and Institutions Network on Disaster Risk Reduction (IUINDRR-NIDM), empowers educators to integrate DRR into undergraduate curriculums across all disciplines, as mandated by the University Grants Commission (UGC).

The Program's Significance

Disasters are a growing threat in India and around the world. The 2005 Disaster Management Act emphasizes the crucial role of education in building community resilience. Equipping future generations with the knowledge and skills to prepare for, respond to, and recover from disasters is essential.

This FDP addresses this need by:

- **Equipping Educators:** Teachers trained in DRR pedagogy can effectively integrate DRR concepts into their subjects, fostering a culture of safety and preparedness among students.
- **Standardized Curriculum:** The program ensures a consistent approach to DRR education across diverse colleges, fulfilling the UGC's directive.
- **Mainstreaming DRR:** By incorporating DRR into various disciplines, the program moves disaster preparedness beyond specialized courses, making it an integral part of higher education.

The Program's Structure

The 3-day FDP adopts a comprehensive approach, covering theoretical knowledge, practical skills development, and resource familiarization:

- **Day 1: Understanding Disasters:** This day establishes the foundational understanding of disasters, their types, causes, and impacts. Participants explore the concept of disaster risk reduction (DRR) and its significance in mitigating disaster impacts.

- **Day 2: Integrating DRR into Teaching:** Day 2 focuses on equipping educators with pedagogical tools and techniques to integrate DRR effectively into their subjects. Participants explore case studies, develop lesson plans, and learn to use interactive learning methods to engage students.
- **Day 3: Resources and Implementation Strategies:** The final day equips participants with essential resources for teaching DRR. They explore online resources, curriculum materials, and national guidelines. Additionally, the program addresses challenges and strategies for successful implementation of DRR curriculum in colleges.

Expected Outcomes

By participating in this FDP, teacher-participants will be able to:

- Demonstrate a thorough understanding of disaster concepts, types, and mitigation strategies.
- Explain the philosophy and key principles of DRR.
- Confidently integrate DRR concepts into their teaching across various disciplines.
- Develop engaging and effective lesson plans on DRR topics.
- Utilize a range of pedagogical tools and resources to promote DRR education.
- Advocate for the importance of DRR curriculum within their colleges and contribute to a national culture of preparedness.

Building a Safer Future

This 3-day FDP on DRR empowers educators to become agents of change. By equipping them with the knowledge and skills to integrate DRR into their teaching, the program lays the groundwork for a future generation that is aware, prepared, and resilient in the face of disasters. Through this initiative, IUINDRR-NIDM plays a vital role in fulfilling the UGC's mandate and building a safer India.

Chapter - 12

Organising Team

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Vice-chancellor, MTU

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Chapter – 13

Conclusion

The 3-day Faculty Development Programme (FDP) on Disaster Risk Reduction (DRR) held in Manipur concluded on a high note, with nearly 56 delegates from colleges and institutes across the state participating. The program, organized by Manipur Technical University (MTU) in collaboration with the India University Institute for Network Disaster Risk Reduction (IUINDRR-NIDM), aimed to equip educators with the knowledge and skills to integrate DRR into their teaching.

The feedback from the participants was overwhelmingly positive, highlighting the program's success. Many expressed a strong desire for further engagement with disaster preparedness initiatives. A key takeaway was the participants' request for extended-duration programs to delve deeper into DRR topics. This enthusiasm for continued learning underscores the growing recognition of the importance of DRR education in building a more resilient Manipur.

The participation of 56 delegates from diverse institutions across Manipur signifies a strong commitment among educators to integrate DRR into their curriculums. This collective effort will ensure a wider reach of disaster preparedness knowledge among students, fostering a more aware and prepared citizenry.

The positive feedback received is a testament to the program's effectiveness. Participants expressed gratitude to MTU and IUINDRR-NIDM for organizing such a valuable program. This appreciation underscores the program's success in fulfilling its objective of empowering educators to become champions of DRR education.

A particularly noteworthy aspect of the feedback was the participants' request for longer-duration programs. This desire for deeper exploration of DRR topics reflects the participants' commitment to gaining a comprehensive understanding of disaster preparedness strategies. By extending the program duration, future iterations can delve into specific hazards prevalent in Manipur, explore advanced mitigation techniques, and provide opportunities for practical skill development.

The successful completion of the 3-day FDP on DRR marks a significant step forward in strengthening Manipur's preparedness for disasters. By equipping educators with the knowledge

and skills to integrate DRR into their teaching, the program lays the foundation for a future generation that is aware, prepared, and resilient in the face of natural hazards.

The enthusiastic participation and desire for extended learning expressed by the participants pave the way for future programs that cater to their needs. By fostering a culture of continuous learning and knowledge sharing, Manipur can build a more resilient future for its citizens.

Thank you

