

REPORT
on
One-day workshop
on
International Day for Disaster Risk Reduction
Organised
by
Centre for Disaster Risk Reduction



Islamic University of Science and Technology
Awantipora Kashmir-192122 (J&K)
in collaboration with



Department of Disaster management, Relief,
Rehabilitation and Reconstruction,
Govt. of Jammu and Kashmir

VENU: Lal DED AUDITORIUM, AB-III, IUST
14th October, 2024

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FLYER

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ISLAMIC UNIVERSITY
OF SCIENCE AND TECHNOLOGY, KASHMIR

 INTERNATIONAL DAY FOR
**DISASTER RISK
REDUCTION**

CENTRE FOR DISASTER RISK REDUCTION, IUST
IN COLLABORATION WITH
DEPARTMENT OF DISASTER MANAGEMENT RELIEF, REHABILITATION AND RECONSTRUCTION, GOVT. OF J&K

Organising
ONE-DAY WORKSHOP
On
INTERNATIONAL DAY
FOR
DISASTER RISK REDUCTION
OCTOBER 14, 2024


Chief Patron
Prof. Shakil Ahmad Romshoo
Hon'ble Vice Chancellor, IUST


Guest of Honor
Dr. V.M. Tiwari,
Director, CSIR-NEIST, Jorhat


Chief Guest
Prof. Bishal Nath Upreti
President, Nepal Centre for Disaster Management (NCDM)

VENUE : LAL DED AUDITORIUM, ACADEMIC BLOCK - III

ABOUT IUST

The Islamic University of Science and Technology (IUST), located in Awantipora, Kashmir, is a premier higher education institution established with the aim of advancing knowledge and fostering innovation in science, technology, and other academic disciplines. Founded in 2005, the university has become a hub for academic excellence, research, and professional development in the region, playing a pivotal role in addressing local and global challenges. IUST offers a wide range of undergraduate, postgraduate, and doctoral programs across various disciplines, including engineering, technology, social sciences, business, humanities, and architecture. The university emphasizes a multidisciplinary approach to education, integrating modern research and teaching methodologies to enhance students' knowledge and skill sets. The university is deeply committed to promoting research and innovation. It has established several research centres and initiatives to tackle emerging issues, including the Centre for Disaster Risk Reduction (CDRR), which focuses on disaster preparedness, mitigation, and resilience-building—an increasingly vital area of study for the region. IUST prioritizes student engagement and development, offering numerous co-curricular activities, workshops, and seminars to enhance students' leadership skills, critical thinking, and professional growth. The university fosters a dynamic campus culture, encouraging students to participate in debates, sports, and other extracurricular activities. IUST maintains strong collaborations with national and international universities, research institutions, and industries. These partnerships aim to foster academic exchange, joint research projects, and knowledge-sharing in areas like sustainable development, climate change, disaster risk reduction, and technological advancements. IUST envisions becoming a leader in higher education and research, not just within Jammu & Kashmir but also on the global stage. It is committed to empowering students to meet the needs of the modern world, with a strong emphasis on innovation, sustainability, and community service. The university's growing reputation as a centre of learning is reflected in its expanding academic programs, world-class faculty, and cutting-edge research facilities, all contributing to its goal of shaping the future of education and development in the region.

ABOUT JKDMRRR

The Jammu & Kashmir, Department of Disaster Management, Relief, Rehabilitation & Reconstruction (JKDMRRR) came to effect on 30, December, 2016 vide Cabinet Decision of J&K govt. The mission of the Department of DMRRR is to ensure the safety of communities by promoting a community-based approach to Disaster Risk Reduction (DRR). This involves reducing vulnerabilities and enhancing effective disaster response through awareness programs and capacity-building initiatives. The department is dedicated to implementing appropriate measures to prevent danger and mitigate risks, ensuring that both natural and man-made disasters are addressed comprehensively. In times of disaster, the DMRRR provides timely assistance to those in distress, helping them recover and rebuild. Additionally, the department plays a key role in resolving issues related to displaced communities, including Kashmiri/Jammu migrants, those displaced in 1947, Chhamb displaced persons (1965/1971), and West Pakistani refugees. It aims to bridge the gap in identifying sufferers of natural calamities, ensuring that all affected individuals receive the support they need. The DMRRR envisions a future where Disaster Risk Reduction (DRR) is fully integrated into all developmental initiatives, ensuring the sustainability of investments and creating a disaster-resilient Jammu & Kashmir. By enhancing the capacity of all stakeholders—governments, communities, and institutions—the department seeks to respond to disasters in a planned and effective manner, minimizing the loss of lives, livelihoods, and critical infrastructure. This includes protecting essential services like healthcare, education, and social and cultural assets from the impacts of disasters. Moreover, the department is committed to providing rapid and appropriate assistance to disaster victims, facilitating their recovery process efficiently. Alongside disaster management efforts, DMRRR continues to support Kashmiri/Jammu migrants, displaced persons of 1947, Chhamb displaced persons (1965/1971), and West Pakistani refugees, ensuring their issues are addressed and their rehabilitation needs met. The overarching goal is to make Jammu & Kashmir a safer, more resilient region, prepared to face any disaster.

ORGANIZING TEAM

Name	Designation	Position
Organizing Committee		
Prof. Shakil A. Romshoo	Vice-Chancellor, IUST	Chairperson
Prof. Sheikh Javid Ahmed	Dean Research	Member
Prof. Abdul Wahid	Registrar	Member
Prof. Ayaz Hassan Moon	Dean Academic Affairs	Member
Prof. Shakeel Ahmed	Consultant	Convener
Dr. Aabid Hussain Shalla	Dean, School of Sciences	Member
Dr. Kaiser Javeed	Dean, School of Technology	Member
Dr. Asifa Baba	Dean of Students	Member
Mr. Mir Aijaz Ahmad	Head, Dept of Civil Engineering	Member
Dr. Mujib Liyakat	Head, Dept of JMC	Member
Mr. Mehran Qureshi	Head, Dept of Architecture	Member
Dr. Sumaira Nazir Zaz	Coordinator, Dept of ES&CC	Member
Dr. Tariq Abdullah	Head, Dept of P&G	Member
Mr. Waseem Qader	Asst. Professor, CDRR	Member
Dr. Irfan Maqbool Bhat	Coordinator, CDRR	Org. Secretary
Technical Committee		
Prof. Shakeel Ahmed	Consultant	Chairperson
Dr. Monisa Qadiri	Asst. Professor, DJMC	Member
Dr. Irfan Maqbool Bhat	Coordinator, CDRR	Member
Dr. Jasia Bashir	Asst. Professor, Dept of P&G	Member
Dr. Sumaira Nazir Zaz	Coordinator, Dept of ES&CC	Convener
Transport & Accommodation Committee		
Dr. Mir Hashim Rasool	Asst. Professor, Dept of Physics	Chairperson
Mr. Mohammad Saleem	Asst. Professor, Dept. P&G	Member
Mr. Waseem Qader	Asst. Professor, CDRR	Convener
Catering Committee		
Dr. Darakshan Andrabi	Asst. Professor, Food Technology	Chairperson
Dr. Mohmad Aabid Bhat	Coordinator, MCS&S	Member
Dr. Ahmed Sharique Anees	Asst. Professor, Electrical Engineering	Convener
Reception & Finance Committee		
Mr. Mursheed Khan	Dy. Finance Officer	Chairperson
Mr. Waseem Qader	Asst. Professor, CDRR	Member
Dr. Mehak Majeed	Asst. Professor, Dept. of Economics	Member
Dr. Irfan Maqbool Bhat	Coordinator, CDRR	Convener
Media Committee		
Dr. Ruheela Hassan	Asst. Professor, DJMC	Chairperson
Dr. Rabia Noor	Asst. Professor, DJMC	Member
Dr. Mujib Liyakat	Head, Dept of JMC	Convener

PROGRAMME SCHEDULE

Time	Program/Activity	Speakers
10:30	Arrival of Participants and Guests	Reception Committee
Inaugural Function (Anchoring by Dr. Heeba Din, Assistant Professor, DJMC-IUST)		
11:00	Film on Jammu & Kashmir	Recorded
11:04	Welcome address	Dr. Irfan Maqbool Bhat , Coordinator, CDRR, IUST
11:07	Presentation of the Theme IDDRR, 2024	Prof. Shakeel Ahmed , Consultant, IUST
11:11	Address by the Guest of Honour	Ms. Snober Jameel (KAS) , Under Secretary, Govt of J&K, Dept. of Disaster Management, Relief, Rehabilitation, and Reconstruction (DMRRR)
11:16	Introducing the Chief Guest	Prof. Shakeel Ahmed , Consultant, IUST
11:18	Address by the Chief Guest	Prof. Bishal Nath Upreti , President, Nepal Centre for Disaster Management (NCDM), Nepal
11:25	Presidential Remarks	Prof. Shakil Ahmad Romshoo , Vice Chancellor, IUST
11:31	Felicitation of Guests	Memento to be presented to: 1. Prof. B. N. Upreti 2. Ms. Snober Jameel
11:34	Vote of Thanks	Dr. Mehak Majeed , AP, Dept of Economics, IUST
11:38	Tea Break	
Poster Session: Coordinated by Dr. Monisa Qadiri, Dr. Jasia Bashir, & Dr. Sharique Anees Venue Poster Session: Open space at the 1st and Ground floor of the AB-III		
11:40	Poster Session by the students and Research Scholars, IUST	A Five-member Jury will visit each poster and assess the poster by interacting with Authors for the awards
13:00	Lunch Break	Venue: Faculty Lounge
Technical Sessions: Coordinated by Prof. Shakeel Ahmed Venue: Lal Ded Auditorium, AB-III		
13:55	Technical Session I (Earthquake Hazards) Chairperson: Prof. Sheikh Javid Ahmed, Dean-Research, IUST	
14:00	Key-note Speech: Earthquake Hazards in Himalayas:	Prof. Bishal Nath Upreti , President, Nepal Centre for Disaster Management

	With a focus of Central Himalaya	
14:35	Panel Discussion Moderated by Dean-Research, IUST	Panellists: Prof. Bishal Nath Upreti, President, NCDM Ms. Snober Jameel, JKDMRRR Dr. G. M. Dar, Associate Professor, IMPA, Srinagar Dr. Rakesh Chandra, Asst. Prof. University of Kashmir Mr. Mehran Qureshi, Head, Dept. of Architecture, IUST Dr. Irfan Maqbool Bhat, Coordinator, CDRR, IUST (Rapporteur)
15:00	Tea Break	Venue: Outside the Auditorium
15:10	Technical Session II (GLOF Hazards) Chairperson: Prof. Ayaz Hassan Moon, Dean-Academic Affairs, IUST	
15:15	Key-note Speech-I (Online): Spatio-temporal variation of Himalayan glaciers from space observations	Dr. VM Tiwari, FNA Director, CSIR-NEIST, Jorhat, Assam, India
15:45	Key Note Speech-II Glacial Lake Outburst Flood Hazards: Vulnerability and Challenges	Prof. Shakil Ahmad Romshoo Vice Chancellor, IUST, Kashmir
16:15	Panel Discussion Moderated by Dean-Academic Affairs, IUST	Panellists: Prof. Shakil Ahmad Romshoo, VC, IUST, Prof. Shamim Ahmad Shah, Prof, Dept. of Geog. and Disaster Management, University of Kashmir Representative from JKDMRRR Dr. Riyaz Ahmad Dar, Asst. Prof. University of Kashmir Dr. Tariq Abdullah, Head, Dept. Planning & Geomatics, IUST (Rapporteur)
Valedictory Session: Coordinated by Dr. Jasia Bashir, Dept. P&G, IUST Venue: Lal Ded Auditorium		
16:40	Concluding Remarks/Take away Message for Way Forward	Prof Shakil Ahmad Romshoo Vice Chancellor, IUST Prof. Bishal N. Upreti Nepal Centre for Disaster Management, Nepal
	Announcement and Distribution of Prizes for the Poster Awards	Ms. Snober Jameel (KAS), Under Secretary, Govt of J&K, Dept. of Disaster Management, Relief, Rehabilitation, and Reconstruction (DMRRR)
17:00	Vote of Thanks	Mr. Waseem Qader, Assistant Professor, CDRR, IUST
End of the Program		

1. INTRODUCTION

The International Day for Disaster Risk Reduction (IDDRR) was established in 1989 following a call by the United Nations General Assembly to promote a global culture of risk-awareness and disaster reduction. Celebrated annually on October 13, this day highlights the efforts of people and communities worldwide in reducing disaster risk and exposure. Given the increasing frequency of disasters, many driven and exacerbated by climate change, children and youth are particularly vulnerable. According to the United Nations Children's Fund (UNICEF), approximately one billion children are at high risk due to climate impacts, including climate-related disasters. The consequences for children extend beyond immediate harm, as they face disruptions in education, healthcare, nutrition, and safety in the aftermath of disasters. To mitigate these risks, national and local disaster risk reduction strategies must prioritize the needs and vulnerabilities of children. Moreover, empowering youth by giving them the space to actively contribute to disaster risk reduction is critical, as highlighted in the Sendai Framework for Disaster Risk Reduction 2015-2030. The Midterm Review of the Sendai Framework echoed this sentiment, calling for the full and meaningful participation of youth in promoting a culture of disaster prevention. Education plays a vital role in this empowerment, allowing children to learn how to protect themselves and act as agents of change within their communities. This focus on education aligns with the UN Secretary-General's Early Warnings for All initiative and is reflected in the theme for IDDRR 2024: "Empowering the Next Generation for a Resilient Future." The theme resonates with the priorities of the Summit of the Future held in September 2024, which emphasized the role of youth and future generations. India's unique geo-climatic and socio-economic conditions make it highly susceptible to a range of natural and manmade disasters. Among the 36 States and Union Territories (UTs), 27 are disaster-prone. The country faces the threat of floods, droughts, cyclones, tsunamis, earthquakes, urban flooding, landslides, avalanches, and forest fires. Around 58.6% of the landmass is prone to earthquakes, 12% is vulnerable to floods and river erosion, and 68% of the cultivable land is at risk of drought. Coastal areas, comprising 5,700 km of India's 7,516 km coastline, are susceptible to cyclones and tsunamis. The country's growing vulnerabilities are compounded by rapid urbanization, environmental degradation, climate change, and demographic pressures, which have led to a higher risk of disasters.

The Union Territory (UT) of Jammu & Kashmir, located at the northernmost extremity of India, is uniquely positioned both geographically and climatically. With a diverse topography that includes mountains, rivers, and valleys, Jammu & Kashmir faces a range of

natural disasters such as earthquakes, floods, landslides, avalanches, and snowstorms. The region falls predominantly within Seismic Zones IV and V, making it highly vulnerable to earthquakes. Districts such as Anantnag, Srinagar, Baramulla, and Kupwara are especially at risk due to their classification in the highest seismic zone. In addition to earthquakes, landslides are a common threat in the region, often triggered by flash floods in narrow river gorges. Deforestation, unscientific construction practices, and other human activities have increased the frequency and intensity of these landslides. The region has also experienced erratic weather patterns in recent years, leading to increased occurrences of flash floods and other hydro-meteorological hazards. The catastrophic floods of September 2014, for example, caused widespread devastation in the Jhelum, Chenab, and Tawi basins. Glacial Lake Outburst Floods (GLOFs) are another growing concern due to the melting of glaciers in the region. As temperatures rise, glacial lakes formed by the accumulation of water from melting ice become vulnerable to sudden outbursts, threatening downstream communities. The Himalayan cryosphere, which includes Jammu and Kashmir, is becoming more vulnerable to these hazards as the climate continues to warm.

Over the past two decades, India has shifted its disaster management approach from being relief-centric to adopting a holistic, integrated model that emphasizes prevention, mitigation, preparedness, response, and recovery. The National Disaster Management Authority (NDMA) plays a central role in fostering a disaster-resilient India through technology-driven and sustainable development strategies. The Prime Minister's 10-Point Agenda on Disaster Risk Reduction further emphasizes collaboration with scientific, academic, and private sectors to enhance global best practices in disaster management. The National Disaster Management Plan (2019), aligned with the Sendai Framework, underscores the role of education in disaster risk reduction and advocates for the integration of disaster management into curricula. The institutional framework for disaster management, as established by the Disaster Management Act (DM Act) of 2005, includes the National, State, and District Disaster Management Authorities, with the Prime Minister chairing the NDMA. In Jammu & Kashmir, the Jammu and Kashmir Disaster Management Authority (JKDMA) and Department of Disaster management, Relief, Rehabilitation and Reconstruction (DMRRR) facilitates disaster preparedness, response, and mitigation efforts within the region.

The Islamic University of Science and Technology (IUST) established the Centre for Disaster Risk Reduction (CDRR) to address the growing need for research, education, and community engagement in disaster risk reduction. The Centre aims to foster a culture of resilience through cutting-edge research, knowledge sharing, capacity-building programs, and

workshops. By collaborating with national and international institutions, the CDRR seeks to enhance understanding and preparedness for potential disasters in Jammu and Kashmir.

To commemorate IDDRR 2024, the CDRR at IUST in collaboration with the Department of DMRRR, Govt. of J&K organized a one-day workshop on October 14, 2024. Aligned with the theme of "Empowering the Next Generation for a Resilient Future," the event brought together students, faculty, and researchers to discuss the role of education in building disaster resilience among youth. The workshop also highlighted the vulnerabilities of Jammu and Kashmir to natural disasters and explored ways to strengthen disaster risk reduction efforts in the region.

2. OBJECTIVES

The objective of the one-day workshop on International Day for Disaster Risk Reduction (IDDRR) 2024 event at the Islamic University of Science and Technology (IUST) was to empower the next generation by fostering a culture of disaster resilience through education and awareness. This event was designed to foster collaboration among academia, government, and researchers, with the goal of creating a safer, more resilient future for all. The event aimed to:

1. Highlight the critical role of education in protecting and preparing youth for future disasters, aligned with the IDDRR 2024 theme: "Empowering the Next Generation for a Resilient Future."
2. Engage students, faculty, researchers, and policymakers in discussions on reducing disaster risks and vulnerabilities, particularly in the context of Jammu and Kashmir's unique hazard profile.
3. Promote a better understanding of disaster risks and mitigation strategies through knowledge sharing, poster presentations, and panel discussions, thereby encouraging youth participation in disaster risk reduction (DRR) efforts.
4. Raise awareness of the increasing challenges posed by climate change, geological hazards, and hydrometeorological risks in Jammu and Kashmir, while exploring solutions for sustainable and disaster-resilient development.

3. TARGET AUDIENCE

As the future leaders and change-makers, students from various disciplines were encouraged to participate in the workshop. The event aimed to raise their awareness about disaster risks and empower them to contribute to building resilient communities. Special emphasis was placed on engaging students in poster session on disaster preparedness, mitigation, and

response activities. Academic professionals from IUST and other parts of the UT, particularly those involved in disaster risk reduction (DRR), climate change studies, architecture, civil engineering and sustainable development, were key participants. Representatives and officials from the Department of Disaster Management, Relief, Rehabilitation & Reconstruction (DMRRR), were critical audience. The event offered them a platform to discuss policies and strategies for disaster risk reduction and engage with the academic community. Through this event, efforts were made to disseminate knowledge and preparedness strategies that can benefit community in the long term. By bringing together this diverse audience, the event aimed to promote collaboration and shared learning in the pursuit of a disaster-resilient future.

4. SCOPE

The scope of the International Day for Disaster Risk Reduction (IDDRR) 2024 event at the Islamic University of Science and Technology (IUST) encompassed a wide range of activities aimed at fostering disaster resilience through education, collaboration, and community engagement. The event emphasized the role of education in disaster preparedness and risk reduction, targeting students and young professionals to equip them with the knowledge and skills needed to respond effectively to disasters. It encourages the integration of DRR principles into academic curricula, promoting a culture of safety and resilience among the youth. Through discussions, panel sessions, and poster presentations, the event fostered a dialogue among researchers, faculty, and disaster management officials. It served as a platform for sharing the latest research on disaster risks, climate change impacts, and resilience-building strategies, particularly in the context of Jammu and Kashmir's vulnerability to natural hazards like earthquakes, GLOF, floods, and landslides. By involving government officials, and disaster management consultants, the event facilitated the exchange of ideas and best practices in disaster risk governance. It encouraged collaborative efforts between academia, government bodies, and civil society organizations to address the unique challenges faced by disaster-prone regions like Jammu and Kashmir. A key consensus developed on empowering local communities to become active participants in disaster risk reduction efforts. Given the increasing frequency and intensity of natural and climate related disasters, the event explored the intersection of climate change and disaster risk reduction. It discusses adaptive strategies for mitigating the impacts of climate change on communities, infrastructure, and ecosystems in Jammu and Kashmir. The event aimed to enhance the capacity of academic institutions, such as IUST's Centre for Disaster Risk Reduction, to serve as resource centre for DRR research and practice. It supported building partnerships with national and international organizations

to drive innovation and sustainable development in disaster risk management. Overall, the scope covers multi-sectoral engagement, from education and research to policy development and community action, with the ultimate goal of empowering the next generation to build a disaster-resilient future.

5. SUMMARY

The one-day workshop on the International Day for Disaster Risk Reduction (IDDRR) was Organized by the Centre for Disaster Risk Reduction (CDRR), Islamic University of Science & Technology (IUST), in collaboration with the Department of Disaster Management, Relief, Rehabilitation, and Reconstruction (DMRRR), Govt. of J&K on October 14, 2024. Prof. Bishal Nath Upreti, President of the Nepal Centre for Disaster Management, served as the Chief Guest, and Ms. Snober Jameel, Under Secretary, DMRRR, Govt. of J&K, was the Guest of Honour. The event was graced by Prof. Shakil A. Romshoo (Hon'ble Vice Chancellor, IUST), Prof. Abdul Wahid (Registrar, IUST), Prof. Sheikh Javid Ahmed (Dean Research, IUST), Prof. Ayaz Hassan Moon (Dean Academic Affairs, IUST), and Dr. Aabid Hussain Shalla (Dean, School of Sciences, IUST). The International Day for Disaster Risk Reduction (IDDRR) 2024 aimed to empower the next generation for a resilient future through education and awareness. The 2024 theme, "Empowering the Next Generation for a Resilient Future," aligns with the broader goal of protecting and preparing children and youth to face increasing disaster risks, particularly those exacerbated by climate change. The workshop engaged students, faculty, and researchers in understanding the critical role of education in disaster risk reduction (DRR). Additionally, it addressed the unique vulnerabilities of Jammu and Kashmir, which is highly prone to natural disasters like earthquakes, floods, and landslides. The event engaged students, faculty, researchers, policymakers, and disaster management consultants. By involving this diverse audience, the event seeks to build a collaborative network focused on reducing disaster risks and fostering community resilience. The event highlighted the importance of integrating disaster risk reduction into academic curricula, enhancing community-based DRR initiatives, and addressing climate change-related risks. The event included inaugural session, a poster session, technical, and valedictory sessions, featuring keynote speeches, panel discussions, and prize distribution.

5.1 Inaugural Session

The inaugural session opened with a screening of a short film, produced by Dr. Mujeeb Liqayat, Coordinator of Filmmaking at IUST. The film beautifully depicted the scenic beauty of Jammu

& Kashmir, juxtaposed with its multi-hazard vulnerabilities. The session was officially opened by Dr. Irfan Maqbool Bhat, Coordinator of CDRR and Organizing Secretary, who warmly welcomed the guests. Prof. Shakeel Ahmed, Consultant at IUST, presented the global theme for IDDRR 2024, “Empowering the Next Generation for a Resilient Future.” Delivering the inaugural address, Prof. Bishal Nath Upreti highlighted a four-pronged strategy to mitigate disaster risks, emphasizing the importance of understanding disasters, improving governance, investing in preparedness, and strengthening response mechanisms. He also remarked on the devastating impacts of cyclones, underscoring the urgency of disaster preparedness. The Guest of Honour, Ms. Snober Jameel, underscored the importance of youth involvement in building a resilient future, commending IUST for organizing a platform where knowledge could be shared and learned from experts in the field. In his presidential address, Prof. Shakil A. Romshoo, Vice Chancellor, IUST, stressed the importance of integrating disaster mitigation strategies into educational curricula, starting from the school level, and reaffirmed IUST’s commitment to knowledge dissemination and policy formulation. The proceedings were efficiently conducted by Dr. Heeba Din, Assistant Professor at the Department of Journalism and Mass Communication (DJMC), while Dr. Mehak Majeed, Assistant Professor at the Department of Economics, delivered the vote of thanks.

5.2 Poster Session

A poster presentation session followed, coordinated by Dr. Monisa Qadiri and Dr. Jasia Bashir, where students from FYUGP and research scholars showcased their work on various disaster categories. A five-member jury evaluated the posters, leading to the facilitation of the best three presentations.

5.3 Technical Sessions

The technical sessions commenced post-lunch, coordinated by Prof. Shakeel Ahmad. The first session on Earthquake Hazards was chaired by Prof. Sheikh Javid Ahmed and featured a keynote speech by Prof. Bishal Nath Upreti on the earthquake vulnerabilities of the Himalayas. A panel discussion followed, featuring experts such as Dr. G. M. Dar (Associate Professor, IMPA, Srinagar), Dr. Rakesh Chandra (Senior, Assistant Professor, Earth Sciences, University of Kashmir), Mr. Mehran Qureshi (Head, Dept. of Architecture, IUST), Dr. Irfan Maqbool Bhat, and Ms. Snober Jameel.

The second technical session on Glacial Lake Outburst Flood (GLOF) Hazards was chaired by Prof. Ayaz Hassan Moon. Dr. V. M. Tiwari, Director, CSIR-NEIST, Assam,

delivered a virtual keynote presentation on mass variability of Himalayan glaciers. Prof. Shakil A. Romshoo also presented a talk on the GLOF vulnerabilities of the J&K and Ladakh Himalayas. A panel discussion concluded the session, featuring experts including Dr. Reyaz Ahmad Dar (Earth Sciences, University of Kashmir), Dr. Tariq Abdullah (Head, Dept. of Geomatics and Planning, IUST), and Mr. Waseem Shafi (Consultant, DMRRR, J&K Govt.).

5.4 Valedictory Session

The Valedictory Session, coordinated by Dr. Jasia Bashir, saw the facilitation of the top three student posters, with prizes presented by the Chief Guest and other dignitaries. Mr. Waseem Qader, Assistant Professor at CDRR, delivered the vote of thanks, acknowledging the support of sponsors, including IUST-CIED (DST-NIDHI) and the Department of Disaster Management, Relief, Rehabilitation, and Reconstruction, Govt. of J&K, for their invaluable collaboration in fostering a resilient future for Jammu & Kashmir.

6. KEY TAKEAWAYS

Education is crucial for equipping the next generation with the knowledge and skills needed to face disaster risks. Empowering children and youth to become agents of change is essential for building resilient communities. Jammu & Kashmir faces a high risk of natural disasters such as earthquakes, floods, landslides, and glacial lake outburst floods (GLOFs), as well as emerging risks linked to climate change. Addressing these risks requires targeted strategies for disaster preparedness and mitigation. There is a need to integrate DRR into academic curricula at all levels, as recognized by national policies like the National Disaster Management Plan (2019) and the Sendai Framework for DRR. Universities can serve as key resource centres for DRR education and research. Effective disaster risk reduction requires collaboration between academia, government, local communities, and civil society. The event emphasized the importance of a multi-sectoral approach to strengthen disaster preparedness, mitigation, and response strategies. Climate change is exacerbating the frequency and intensity of natural disasters, particularly in vulnerable regions like Jammu and Kashmir. Addressing the intersection of climate change and disaster risk is critical to safeguarding both communities and ecosystems. The role of national and state-level disaster management authorities, including the Jammu and Kashmir Disaster Management Authority JKDMA, and DMRRR is vital in promoting proactive, technology-driven approaches to DRR. Institutional frameworks and policies like the DM Act 2005 provide a strong foundation for this effort. Local communities play a pivotal role in disaster risk reduction. Raising awareness and building local capacity are

essential for reducing vulnerabilities and ensuring swift, effective responses to disasters. Continued research, innovation, and the use of technology are critical to advancing disaster risk reduction strategies. Universities, such as IUST's Centre for Disaster Risk Reduction (CDRR), are key players in fostering cutting-edge research and innovation in DRR.

LIST OF REGISTERED PARTICIPANTS

S.No.	Name	Course	Department
1	Nazmeen Bashir	B. Architecture	Architecture, IUST
2	Maleeha Jan	B. Architecture	Architecture, IUST
3	Aadil Shaban	B. Architecture	Architecture, IUST
4	Mohammad Mohsin	B. Architecture	Architecture, IUST
5	Sajid Mustabshir	B. Architecture	Architecture, IUST
6	Afreen Yaqoob Dar	B. Architecture	Architecture, IUST
7	Saniya Sajjad Sofi	B. Architecture	Architecture, IUST
8	Syed Aayat Qadri	B. Architecture	Architecture, IUST
9	Madina Munir Mir	B. Architecture	Architecture, IUST
10	Zehran Manzoor	B. Architecture	Architecture, IUST
11	Tanish Dowary	B. Architecture	Architecture, IUST
12	Showkat Adfar Malik	B. Architecture	Architecture, IUST
13	Sarah Sheikh	B. Architecture	Architecture, IUST
14	Basit Nabi	B. Architecture	Architecture, IUST
15	Afreen Fayaz Dar	B. Architecture	Architecture, IUST
16	Saqlain Siddiqi	B. Architecture	Architecture, IUST
17	Faheem Fatima	B. Architecture	Architecture, IUST
18	Aadil Bashir	B. Architecture	Architecture, IUST
19	Toiba Yousuf Bhat	B. Architecture	Architecture, IUST
20	Syed Uzair	B. Architecture	Architecture, IUST
21	Ashraf Abrar Wani	B. Architecture	Architecture, IUST
22	Mohammad Tanzeel	B. Architecture	Architecture, IUST
23	Shahid Nazir	B. Architecture	Architecture, IUST
24	Suffi Salik	B. Architecture	Architecture, IUST
25	Muzamil Yousuf	B. Architecture	Architecture, IUST
26	Hayat Shabir Punjabi	B. Architecture	Architecture, IUST
27	Falak Tariq Khan	B. Architecture	Architecture, IUST
28	Zuhaib Ashraf	B. Architecture	Architecture, IUST
29	Asif Iqbal Khan	B. Architecture	Architecture, IUST
30	Anaab Mushtaq	B. Architecture	Architecture, IUST
31	Simra Rafiq Mir	B. Architecture	Architecture, IUST
32	Arvind Zadoo	B. Architecture	Architecture, IUST
33	Musaib Showket	B. Architecture	Architecture, IUST
34	Mareha	B. Architecture	Architecture, IUST
35	Mohammad Umair	B. Architecture	Architecture, IUST
36	Suhaib Muzafer	B.Tech.	Civil Engineering, IUST
37	Zayer Hussain	B.Tech.	Civil Engineering, IUST
38	Faizan Rashid	B.Tech.	Civil Engineering, IUST

39	Faizan Afzal	B.Tech.	Civil Engineering, IUST
40	Maleeha Guja	B.Tech.	Civil Engineering, IUST
41	Moin Peerzada	B.Tech.	Civil Engineering, IUST
42	Samar Minallah	B.Tech.	Civil Engineering, IUST
43	Shah Fazeem	B.Tech.	Civil Engineering, IUST
44	Jaseem Ismail	B.Tech.	Civil Engineering, IUST
45	Anjuman Nisar	B.Tech.	Civil Engineering, IUST
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48	Akash Mohd	B.Tech.	Civil Engineering, IUST
49	Aadil Jalal	B.Tech.	Civil Engineering, IUST
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59	Fakhr Un Nisa	B.Tech.	Civil Engineering, IUST
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61	Haadi Hassan	B.Tech.	Civil Engineering, IUST
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67	Qaribah Riyaz	B.Tech.	Civil Engineering, IUST
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69	Arsalan Rafiqi	B.Tech.	Civil Engineering, IUST
70	Burhan Maqbool	B.Tech.	Civil Engineering, IUST
71	Uzmah	B.Tech.	Civil Engineering, IUST
72	Sharfa	B.Tech.	Civil Engineering, IUST
73	Sabiq Zahoor	B.Tech.	Civil Engineering, IUST
74	Misba javeed	B.Tech.	Civil Engineering, IUST
75	Fizah Nazir	B.Tech.	Civil Engineering, IUST
76	Mehreen Aslam	B.Tech.	Civil Engineering, IUST
77	Hanan Mushtaq	B.Tech.	Civil Engineering, IUST
78	Zayeem Nazir	B.Tech.	Civil Engineering, IUST
79	Adnan Bin Riyaz	B.Tech.	Civil Engineering, IUST
80	Shazreen Basharat	B.Tech.	Civil Engineering, IUST
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83	Rashid Hamza	B.Tech.	Civil Engineering, IUST
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87	Athar	B.Tech.	Civil Engineering, IUST
88	Zaaid Naseer	B.Tech.	Civil Engineering, IUST
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119	Qudsiya Riyaz	B.Sc.	Economics, IUST
120	Faheem Amin	B.Sc.	Economics, IUST
121	Musaib Rashid	B.Sc.	Economics, IUST
122	Nadeem Un Nisar	B.Sc.	Economics, IUST
123	Meher Zara Bhat	B.Sc.	Economics, IUST
124	Muntaha Binti Prince	B.Sc.	Economics, IUST
125	Tuba Fatima	B.Sc.	Economics, IUST
126	Ahmad Ajaz	B.Sc.	Economics, IUST
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129	Hafsa Wani	B.Sc.	Economics, IUST
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148	Munazah Rashid	B.Sc.	Computer Science, IUST
149	Huriya Hilal	B.Sc.	Computer Science, IUST
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151	Sami Ullah Wani	B.Sc.	Centre for Artificial Intelligence, IUST
152	Zainab Aijaz	B.A.	Journalism Mass Communication
153	Ishfaq Mohiuddin	B.Sc. Data Sciences	Mathematical Sciences, IUST
154	Mr. Mohd Iqbal Mirza	Assistant Professor	Civil Engineering, IUST
156	Mr. Mohd Dilawar	Assistant Professor	Civil Engineering, IUST
157	Dr. Shujaat Hussain	Assistant Professor	Civil Engineering, IUST
158	Muneeb Ahmad	Ph.D. Scholar	Islamic Studies, IUST
159	Kouser Qureshie	Ph.D. Scholar	Physics, IUST
160	Tasaduq Hidayat	Ph.D. Scholar	Journalism Mass Communication
161	Nuzhat Ul Firdous	Ph.D. Scholar	Computer Science, IUST
162	Shahwaz Khan	Ph.D. Scholar	NGRI, Hyderabad
163	Faizan Habib Shah	B.Tech.	Electronics & Communication, IUST
164	Jasir Ahmad Buja	B.Tech.	Electronics & Communication, IUST
165	Bazila Hassan	MBA	MBA, IUST
166	Humaira Jan	Intern	ES&CC, IUST
167	Esha Majeed	Intern	FRIIS, IUST
168	Ruhi Jan	Intern	DP&G, IUST
169	Zahid Bhat	Intern	CDRR, IUST
170	Murtaza Wani	Attendant	CDRR, IUST
171	Naveed Ahmad	Attendant	DP&G, IUST
172	Rameez Ahmad Sudhan	Academic Officer	DIET, Baramulla
173	Rameez Maqbool	Teacher	Santorum HSS Sopore
174	Mansha Gayas	Student	Santorum HSS Sopore
175	Jasmine Javid	Student	Santorum HSS Sopore
176	Yasir Amin	B.S.	Design Your Own Degree, IUST

177	Raja Owais	B.S.	Design Your Own Degree, IUST
178	Fahad Ahmed	B.S.	Design Your Own Degree, IUST
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198	Dr. Mohmad Aabid Bhat	Assistant Professor	Centre for Science & Society, IUST
199	Dr. Rabia Noor	Assistant Professor	Journalism Mass Communication, IUST
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This is to certify that Prof./Dr./ Miss/Mr _____ has
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participated/ presented poster in 'One Day Workshop on International Day for Disaster Risk Reduction' organised by
Centre for Disaster Risk Reduction, IUST, Kashmir on 14th October, 2024

Dr. Irfan Maqbool Bhat
Organized Secretary

Prof. Shakeel Ahmed
Consultant, IUST, J&K

Prof. Abdul Wahid
Registrar, IUST

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Inaugural Session Coordinated by Dr. Heeba Din, AP, IUST



Welcome Address by Dr. Irfan Maqbool Bhat, Coordinator, CDRR, IUST



Prof. Shakeel Ahmad, Consultant IUST presenting theme of IDDRR, 2024



Address by Guest of Honour, Ms. Snober Jameel (KAS), Undersecretary, DMRRR



Address by the Chief Guest Prof. Bishal Nath Upreti, President, NCDM, Nepal



Presidential Address by Prof. Shakil Ahmad Romshoo, VC, IUST



Felicitation of the Chief Guest Prof. Bishal Nath Upreti by Prof. Shakil Ahmad Romshoo



Felicitation of Guest of Honour Ms. Snober Jameel by Registrar IUST, Prof. Abdul Wahid



Vote of Thanks by Dr. Mehak Majeed, AP, IUST



Poster session at Ground Floor of Academic Block III, IUST



Prof. Shakil A. Romshoo, VC, IUST interacting with participants during the poster session



Prof. B. N. Upreti interacting with the participants during the poster session



Technical Session 1 on earthquake hazards coordinated by Prof. Sheikh Javid Ahmad, Dean Research, IUST



Key-note Speech by Chief Guest Prof. Bishal Nath Upreti on Earthquake Hazards in Himalayas



Panel Discussion during Technical Session 1 on Earthquake Hazards in Himalayas



Technical session 2 coordinated by Prof. Ayaz Hassan Moon, Dean Academic Affairs, IUST



Key note Speech-I (Online) on Mass Variability of Himalayan Glaciers by Dr. V. M. Tiwari, Director, CSIR-NEIST, Assam



Key-note Speech-II on GLOF by Prof. Shakil Ahmad Romshoo, VC, IUST



Panel Discussion on GLOFs during Technical Session II



Panel discussion on GLOF by Dr. Reyaz Ahmad Dar, AP, University of Kashmir



Panel discussion on GLOFs by Mr. Waseem Shafi, Consultant DMRRR



Velidictory session coordinated by Dr. Jasia Bashir, AP, IUST



Certificate of Appreciation presented to the participants on winning 1st position in poster presentation



Certificate of Appreciation presented to the participants on winning 2nd position in poster presentation



Certificate of Appreciation presented to the participants on winning 3rd position in poster presentation



Certificate of Appreciation presented to Student of Sanctorum Public School, Sopore for participating in poster/painting competition.



Vote of thanks by Mr. Waseem Qader, AP, CDRR, IUST