



गौतम बुद्ध विश्वविद्यालय
GAUTAM BUDDHA UNIVERSITY
An Ultimate Destination for Higher Learning



COURSE REPORT

Regional capacity building training program for academicians of
northern region of India on

INSPIRING THE MINDS FOR DISASTER RISK REDUCTION
(6 – 10 February, 2023)

Organized by

India 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

Gautam Buddha University, Greater Noida
Gautam Budh Nagar, Uttar Pradesh (INDIA) – 201312



Towards a disaster free India



Series -3



“Inspiring the Minds for Disaster Risk Reduction”

Regional Capacity Building Training Program for Academicians of North Region of India

Venue
Gautam Buddha University, Greater Noida

6-10 February, 2023





Group Photo @ GBU

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, 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.

Gautam Buddha University envisions integrating **our National Ethos, Rich Heritage** and the **Ancient Wisdom** with the education and research to invoke high standards of quality and innovativeness to be at par with international benchmarks. In order to promote value-based education, research and training, the University has established eight Schools of Learning: School of Biotechnology, School of Buddhist Studies and Civilization, School of Engineering, School of Humanities and Social Sciences, School of Information and Communication Technology, School of Law, Justice and Governance, School of Management and School of Vocational Studies and Applied Sciences. The mission of the University is to generate a community of scholars who can manage continuity and change; to seek and incorporate the best practices in teaching and learning from around the world; to inculcate in the learners due appreciation for ethical, ecological and economic issues of knowledge; to provide knowledge based scientific solutions to satisfy the needs of society and industry; to ensure an academic environment that guarantees avenues for all historically excluded sections of the society. The University is committed to be a world class centre for excellence in education in the coming years. The University has world class state-of-the-art infrastructure with IT facilities and well-found laboratories having advanced analytical instrumentation and computing facilities. The University promotes multi-dimensional growth with emphasis on an integrated physical and intellectual training. Gautam Buddha University has seen considerable growth in the past few years, with the introduction of new courses of study, new disciplines, and new initiatives taken for the larger benefit of students to help them grow academically and prepare them for a global society through curricular innovation and program development. In the age of globalization, Gautam Buddha University has set out to make its presence felt globally through internationalization of its various programmes and opening new avenues of association for international student community. The University endeavors to employ, a variety interventions to enhance employability of the passing out students through several student development programmes. The overall thrust of the university is to enhance quality and innovativeness in teaching- learning and research, integrate our national ethos in teaching and make an effort to

ingrain the ethics and values in the conduct and behavior of the students, passing out from this university.

Gautam Buddha University has hosted the 5 day disaster management workshop which is being conducted by NIDM through IUIN-DRR on the theme “Inspiring Minds....” The workshop is all about how to handle natural disasters like earth-quakes, floods, fires, as well as man-made ones including road accidents and chemical hazards. This workshop is first of its kind in the state and the northern region. The objectives of the workshop include ensuring better disaster response skills in assessment, analysis, intervention, and evaluation of the disaster to enhance understanding of hazard vulnerability and risk analysis, and practical response to different stages of disaster management curriculum to reduce the potential risks with better preparedness to help generate human resources at a time when trained manpower is required in the event of a natural disaster. The workshop aims to develop a culture of sensitive, accurate and comprehensive disaster preparedness which in long run help develop more resilient communities as the next generation will become better trained and ready to quick response in case of disasters.

6-10 February, 2023

Series -3

“INSPIRING THE MINDS FOR DISASTER RISK REDUCTION”

REGIONAL CAPACITY BUILDING TRAINING PROGRAM FOR ACADEMICIANS OF NORTH REGION OF INDIA

BOARDING, LODGING AND VENUE OF THE PROGRAMME

There is no course fee for the programme. Lodging and Boarding will be provided to the participants at free of cost in the hostels and guest house of the Gautam Buddha University during the period of programme. There is no grant for travel. Participants have to arrange from their own source.

ABOUT 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.

ABOUT GAUTAM BUDDHA UNIVERSITY

Gautam Buddha University, a globally acclaimed integrated academic and research institution, was established with a vision to create a vibrant community of intellectuals and entrepreneurs endowed with Character, Creativity, Competence and Commitment, who can inspire meaningful transformations to ensure holistic growth and development of the society. Gautam Buddha University was established under the Uttar Pradesh Gautam Buddha University Act, 2002 (U.P. Act No. (9) of 2002), and came into existence in the year 2008. The University is recognized by UGC under section 2(f) and 12-B of UGC Act, 1956 and is accredited by NAAC.

REGISTRATION & NOMINATIONS

The nominations will be invited from each university of north region from any stream. The Vice chancellor of the concerned university is to nominate two faculties in the rank of Assistant professor/Associate Professor to participate in the said programme. After the completion of programme, trained experts are to impart training on foundation course on DRR to other academicians in their respective regions. Nomination letter duly signed by VC/ Head of the institute shall email to:

cc: iuinrr.nidm@nidm.gov.in, nidm@gbu.ac.in

For any query please contact to:
Dr Asha Pandey
Gautam Buddha University,
Mob. 9818085408

Dr Amit Kumar Awasthi
Gautam Buddha University
Ph: 9650366665

For Registration Click on:
<https://training.nidm.gov.in>

OBJECTIVES

- 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 how to integrate Disaster Management curriculum to reduce the potential disaster risks and better prepared institutions.

PARTICIPANTS

Faculty Members of Universities/Institutions of Northern Region

CERTIFICATE

A Certificate will be awarded to the participants on successful completion of the programme.

EVALUATION 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 (IUIINDRR-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. 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 Northern region on 'Foundation Course Curriculum' which will be integrate in every stream of Higher Education, IUIINDRR-NIDM proposing "Regional Capacity Development Programme on Disaster Risk Reduction". A series of such trainings 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 becomes better trained.

RESOURCE MATERIAL

- Disaster Management Plan, NDMA (<https://ndma.gov.in/sites/default/files/PDF/ndm-p-2019.pdf>)
- PM 10 Point Agenda on DRR (https://ndma.gov.in/Reference_Material/PM_Ten_Agenda#:~:text=There%20is%20a%20need%20for%20cover%20major%20infrastructure%20projects%20%E2%96%B2)
- Sendai Framework for DRR (2015-30) (https://www.un.org/en/development/desa/population/migration/generalassembly/docs/globalcompact/A_RES_69_283.pdf)

[mpact/A_RES_69_283.pdf](https://www.un.org/en/development/desa/population/migration/generalassembly/docs/globalcompact/A_RES_69_283.pdf))

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

**National Institute of Disaster
Management (Ministry of Home Affairs,
Govt. of India) Plot no.15, Pocket-3, Block-B,
Sector-29, Rohini, Delhi-110042 Delhi
Disaster Management Institute (Govt. NCT of
Delhi) 5, Sham Nath Marg, Delhi-110054**

&

**Gautam Buddha University
Greater Noida, Gautam Buddha Nagar, UP-
201312, INDIA**

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ABOUT THE INSTITUTE



National Institute of Disaster Management (NIDM)

The National Institute of Disaster Management (NIDM) was constituted under an Act of Parliament with a vision to play the role of a premier institute for capacity development in India 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.

Gautam Buddha University (GBU)



Gautam Buddha University, a globally acclaimed integrated academic and research institution, was established with a vision to create a vibrant community of intellectuals and entrepreneurs endowed with Character, Creativity, Competence and Commitment, who can inspire meaningful transformations to ensure holistic growth and development of the society. Gautam Buddha University was established under the Uttar Pradesh Gautam Buddha University Act, 2002 (U.P. Act

No. (9) of 2002), and came into existence in the year 2008. The University is recognized by UGC under section 2(f) and 12-B of UGC Act, 1956 and is accredited by NAAC. There are 12 boys' and 7 girls' hostels with well equipped facilities. University is having a vast Bodhisattva Dr. Bhim Rao Ambedkar Pustakalaya (Central Library) is situated at the centre of the Gautam Buddha University Campus, which symbolises the Crown of Buddha and the Eight Paths of learning in Buddhist Tradition and Practices.

The library building is a structural marvel designed with inspirational inputs from the Buddhist Traditions of



Learning. It is tallest building in the campus and is a mark of tribute to the Buddha. The incredible feature of the University is the MahatamaJyotiba Phule Dhyana Kendra, the Meditation Centre is designed to visually tie the earth with the sky when viewed in the horizon. It is inspired by the Stupa architecture (a symbolism of Buddhist Stupa), is a learning and retreat centre which gives an experience of the power of peace and inner silence to the students of the University besides their regular curriculum.

School of Management

Dual Degree Programme BBA-MBA [with exit option after BBA]; B.Com. (Hons.); B.Sc. (Hotel Management), MBA (HRM/Finance/Marketing/Operations/Strategy); MBA (Business Analytics); and Ph.D. (Management).

School of Information and Communication Technology

B.Tech. (CSE, ECE, IT, Artificial Intelligence, Design Engineering); Five Year Integrated B.Tech.-M.Tech. (ECE/CSE) (Without permission to exit and lateral entry options); BCA; M.Tech. (CSE, ECE, Cyber Security); MCA; Ph.D. (ECE/CSE) and Advanced Diploma in Big Data Analytics.

(Lateral Entry option is available for Diploma holders and Science Graduates in B.Tech. (ECE/CSE/SFJAI) Programme).

School of Biotechnology

Integrated (B.Tech.-M.Tech./Biotechnology)/MBA Programme (with no exit and without lateral entry options); M.Tech. in Biotechnology; M.Sc. in Biotechnology; M.Sc. (Molecular Medicine); M.Sc. (Genomics & Genome Engineering) and Ph.D. (Biotechnology).

School of Engineering

B.Tech. (CE, ME, EE); B.Arch.; B.Des. (I.D.); Dual Degree (4+2) B.Tech.-M.Tech. (EE) (with exit option after 4 years); M.Tech. in Electrical Engineering; M.Tech. in Civil Engineering; Master of Urban & Regional Planning (MURP); M.Arch. and Ph.D. (ME, EE, CE and Architecture & Planning).

(Lateral Entry option is available for Diploma holders and Science Graduates in B.Tech. (CE, ME, EE) Programme).

School of Vocational Studies and Applied Sciences

B.Tech. (Food Processing and Technology); B.Sc. (Yoga); B.Sc. (Physical Sciences); B.Sc. (Hons.) Physics/ Chemistry/ Mathematics; M.Tech. (Food Processing and Technology); M.Sc. (Applied Chemistry, Applied Physics, Applied Mathematics, Environmental Science and Food Science); Ph.D. (Applied Physics, Applied Mathematics, Applied Chemistry and Environmental Science) and PG Diploma in Polyurethane Technology; PG Diploma in Environment Management (PGDEM).

School of Humanities and Social Sciences

B.A. (Hons.) in English, Political Science, Hindi, Urdu, Economics, History, Bachelor of Social Work (BSW); B.A./B.Sc. (Hons.) in Applied Psychology; B.A. in JMC; B.Ed.; M.A. (Economics, Planning and Development); English; Hindi; Urdu; Political Science and International Relations; Education; History; MA/M.Sc. (Applied Psychology); Master of Social Work (MSW); M.A. in JMC; M.Phil. (Clinical Psychology); M.Phil. (Political Science & International Relations); Ph.D. (Political Science and International Relations, English/Linguistics) and PG Diploma in English Language Teaching (ELT); Diploma in Urdu Language.

School of Buddhist Studies and Civilization

B.A. (Hons.) (Buddhist Studies & Civilization); M.A. (Buddhist Studies & Civilization); M.Phil. (Buddhist Studies & Civilization); Ph.D. (Buddhist Studies & Civilization) and Certificate Course in Pali Language and Literature; Post Graduate Diploma in Pali Language and Literature; Post Graduate Diploma in Buddhist Tourism and Heritage.

School of Law, Justice & Governance

B.A. LLB (5-Year Integrated Programme); LL.M. (one year) and PG Diploma in Business & Economic Law.



FACULTY PROFILE

The sessions were led by highly qualified and eminent resource persons and key speakers who cover the topics covered in the course module. Based on their expertise, the following speakers join the training programme.

NIDM FACULTY



PROF. SANTOSH KUMAR

Head, G&IDRR, NIDM

Email: santosh.nidm@nic.in

A Disaster Risk Reduction, Policy Planning and Capacity Development expert with 25 years of experience in different positions in the Development Planning and DRR Sector. A PhD. in Economics, he studied Gender & Development in IDS, Sussex, UK and received professional training in Disaster risk Management from Israel, backed with international work exposure at The World Bank and Intergovernmental body of SAARC. He has also worked at state levels in different capacities. He is an experienced hand in designing, Planning and implementing mitigation and long-term disaster recovery plan and projects. He brings with him rare combination of operations and academia. His experience of working at the grass root to national to international level in all aspects spanning DRR is an added value. His specializes in disaster management planning, Post disaster loss and need assessment, Recovery and inclusive Disaster Risk Reduction. His insight of bringing development into disaster risk reduction has also allowed new thinking in the framework. He has provided his years of experience to the trainees in form of lectures and also informal discussions which have been very helpful for academicians to understand the core objectives of this training.



DR. PREETI SONI

Senior Programme Consultant IUINDRR-NIDM

Dr. PreetiSoni is a Senior Programme Consultant in National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India and also a Sectariate in India Universities and Institutions Network for Disaster Risk Reduction IUINDRR. She has provided immense effort and facilitated this training programme to its successful completion.

GBU FACULTY



DR. ANAND PRATAP SINGH

Assistant Professor
Department of Psychology and Mental Health, GBU

Doctorate in Clinical Psychology and has a wide area of expertise in Neuropsychology, Neural Entrainment Therapies, Brain Fingerprinting Technique, Biofeedback Therapy, Neurofeedback Therapy. Dr. Singh has supervised 08 Ph.D. thesis and 27 M.Phil. thesis in the area of Clinical and Neuro Psychology. He has 27 research papers, many book chapters and books to his credit. He is member expert on the panel of RCI, New Delhi, NHDC, New Delhi and IEE, New Delhi and fellow member of IACP and professional member of IAAP, IAHP and IACP north region.



PROF. N. P. MELKANIA

Professor
Environmental Science
Dean Academics GBU,

Prof. Melkania has been an educationist, motivator, trainer, researcher, and academic administrator in the area of Environment, Ecology, and Agricultural and Natural Resource Management. He has 45 years of teaching and research experience. Prof. Melkania holds responsibility of Dean School of Vocational Studies and Applied Sciences, Dean Academics, Dean School of Biotechnology, in addition to his services to the Department of Environmental Science as a Faculty member. He is an Accredited Empanelled Expert/Consultant of the National Accreditation Board of Education and Training/ Quality Council of India (NABET/QCI), New Delhi for the Functional Area Ecology and Biodiversity.



DR. NIRMITA MEHROTRA

Architecture & Planning
University School of Engineering, GBU

Doctorate in Urban resilience and specialization in Construction & Facilities Management Disaster Resilience, Business Continuity Planning, Complexity of Cities climate change, Sustainability, Urban Informatics, Green Building Design & Accessible Cities. She is Fellow of Institute of Town Planner (FITPI) Architect (AIIA) Urban Planning.



DR. OM PRAKASH

Language and Culture Studies
Humanities and Social Sciences, GBU

University School of Humanities & Social Sciences M.Phil., Ph.D., University of Delhi. Dr. Om Prakash has vast experience of 18+ years with in depth filed knowledge about language and cultural loss in India. He is specialized in English, Applied Linguistics, Corporate Communication, Language and Media Studies.

DR. PRADEEP TOMAR

Computer Science and Engineering,
Information and Communication Technology, GBU



PhD in Analysis, Design and Development of Component-Based Reusable Models and Testing Processes. From Maharshi Dayanand University, Rohtak, Haryana, INDIA. Specialized in Artificial intelligence and application of AI in Disaster Risk Reduction. He has 20+ years of teaching and research experience. He is having professional membership of Institute of Electrical and Electronic Engineering (IEEE), Professional membership of IEEE Computer Society, and Professional Membership of Association of Computing Machinery (ACM). He is actively involved in Drone Technology Initiative of GBU.

GUEST FACULTY



DR. AJAY PRATAP SINGH

**Scientist E, National Centre for Seismology
Ministry of Earth Sciences**

Dr. Ajay Pratap Singh obtained M. Sc (Tech) [Geophysics], from the Banaras Hindu University (BHU), Varanasi, Uttar Pradesh, and Ph D in Applied Geophysics (Seismology) from the Kurukshetra University, Haryana. He has good knowledge of 3-D seismic tomography and moment tensor analysis. He has expertise in the fields of shallow subsurface structure; slip distribution modelling, earthquake vulnerability assessment and tsunami modelling. He has a wide range of experience in the field of seismicity monitoring and real time analyses of earthquake data. Currently, he is involved in different activities of the National Seismological Network (NSN) of NCS and in Research activity.



DR. CHANDER KUMAR SINGH
Associate Professor,
TERI School of Advance Studies

Dr. Kumar is a researcher and educator in TERI School of Advance Studies. His research expertise is geochemistry, remote sensing and GIS applications in Ground water exploration, Hydrogeology, Water Resource Management etc. He addresses critical issues and concerns of qualitative and quantitative assessment of groundwater in India. He works with a large pool of earth, public health and social scientists across the world on the issues of groundwater contamination. His prolific work is evident in his 60+ research papers in national and international journals. He has been awarded as Young Scientist Award by International Union of Geological Sciences in Euro Conference 2009. His recent findings on Arsenic contamination in Indus Basin has been rated as one of the 15 most popular achievements of Indian Scientists in 2018.



DR. SHILPA PAL
Associate Professor,
Department of Civil Engineering
Delhi Technical University

Dr. Sheela Pal, PhD from IIT Roorkee is presently Associate Professor, Department of Civil Engineering, Delhi Technical University and would proudly say that was associated with GBU as Assistant Professor in Civil Engineering. Her expertise is in the field of 2-D & 3-D Seismic Analysis of Dams and Seismic Slope Stability Analysis, Damage detection in buildings, Biofortified Concrete, and Green Materials in Construction. In her 2 decades of experience she has published her work in more than 67 research papers in acclaimed journals and conferences.



SHRI PAMARTY VENKATARAMANA
International Business and Policy Strategist
Advocate, Supreme Court of India

Shri Venkataramana is a noted Author, Speaker, Jurist and Policy Planner. He is Chief of PVR LAWS, at a Global Law Firm. He believes that Climate Policy, Climate Change and Law governing this Disaster Risk Reduction are the most important factors for Good Governance. He has received many honors and awards including Lifetime Achievement Award in Law and Medicine from USA Kennedy Memorial Foundation, ABI, Justice Alladi Kuppaswamy Award for Best Young Lawyer are to name a few. He is actively associated in matters of National Security, Climate Change and Disaster Risk Reduction.



DR (BRIG) RAKESH GUPTA

Director & Professor (Pediatrics)
Government Institute of Medical Sciences, Greater Noida.

Dr Gupta is having 29 years of wide experience in teaching and is a recognized supervisor & guide for post graduate candidates for MD & DNB at universities of Delhi, Pune, RGUHS Bangalore, West Bengal UHS Kolkata, HIMS Dehradun, AMU Aligarh, KGMU and National Board of Examinations, New Delhi and many other renowned institutions. He is Resource faculty for Pediatric HIV and AIDS at NACO, Ministry of Health & Family welfare, Govt of India, New Delhi, IAP Allergy & Anti-Tobacco chapter, scientific expert group for clinical trials on AIDS clinical trial group [ACTG] HIV at NIAID USA. He has published his his work in more than 60 research publications.



PROF. GIRISH KUMAR SHARMA

Professor, Department of Geology, Delhi University,
Email : gksharma61@yahoo.com

Did the Under Graduation, Post Graduation, Doctoral and Post Doctoral at Department of Geology, Delhi University, Delhi. Having 31 years of Research and teaching experience at UG and PG level. Besides this and training also, having the deep understanding of University administration ranging from policy matters to day to day functioning. The active involvement includes Dean of Science, Director, member of Academic council, Department Head, Chairman of BOS, RDC, Coordinator and Deputy Coordinator of FIST and CAS programs, Advisor and Expert of UPSC, Chairman of Swachh Bharat Mission, Govt. of India, PEER team Coordinator and Member of NAAC, Member of CSTT, Expert in DST of sanctioning the projects, Steering Committee of NET, SET. Published about 65 research papers including abstracts, articles in well reputed International and National Journals



PUSHPENDRA JOHARI

Senior Vice President – Sustainability, RMSI
Email: pushpendra.johari@rmsi.com

Pushpendra heads the sustainability practice that focuses on managing risks to water resources and natural resources and built-up environment (buildings, infrastructure, etc.) through consulting and assignments from the government and multilateral funding agencies. Pushpendra has over 25 years of experience developing GIS-based Natural Hazard Risk Assessment models and incorporating those in Software platforms to apply the results for mitigation, preparedness for response and recovery during the disaster. He has been instrumental in the conceptualization and development of innovative IP solutions for the insurance sector. Pushpendra is regarded as a global expert in climate change, disaster risk reduction, water risk assessment, and food security.

ABOUT THE TRAINING PROGRAMME

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 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 region on "Foundation Course Curriculum" which will be integrate in every stream of Higher Education, IUINDRR-NIDM proposing "Regional Capacity Development Programme on Disaster Risk Reduction". A series of such trainings 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 becomes better trained.

It is in the above context, in order to develop the capacity of academicians 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 Gautam Buddha University, Greater Noida, Gautam Budh Nagar on "**Disaster Risk Reduction**" during 6-10 February, 2023. As a pilot, North region of India will be cover for present programme and later can be replicable into other regions.

Objectives of the Programme:

- To impart knowledge and concepts of disaster, disaster management and disaster risk reduction.
- To enhance the academicians's 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 how to integrate Disaster Management curriculum to reduce the potential disaster risks and better prepared institutions.

Training Methodology:

- Lecture-cum-Discussions
- Presentation of case Study
- Group Discussion

- Field Study
- Audio-Visual Show

Topics covered:

- Conceptual Framework of Disaster Management
- Disaster Profile of 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 at free of cost in the GBU Campus, Greater Noida during the period of training programme.

Duration of the Programme: Five days. 6-10 February, 2023

Participants: Faculty Members of Universities/Institutions of Northern Region

Series-3: Regional Capacity Building Program on

Inspiring the Minds for Disaster Risk Reduction

6th-10th February 2023

Day 1 06 February 2023			
S. No.	Time	Topic	Guest / Resource Person
I	Inaugural Session		
	10.00-10.02	Opening Remarks and Commencement of Proceedings	Dr. Om Prakash, emcee
	10:02-10:05	Lamp Lighting and Invocation	All Dignitaries on Dias
	10:05-10:07	Welcome of the Dignitaries on Dias	By Organizers
	10:07-10:12	Welcome Address	Dr. Preeti Soni SPC, IUINDRR, NIDM
	10:12-10:15	Introduction of the Programme	Dr Amit Kumar Awasthi Nodal In charge, IUINDRR, GBU
	10:15-10:35	Keynote Address: Objectives and Major Thrust of the Programme	Prof. Santosh Kumar Head, GIDRR & Director-IUINDRR-NIDM
	10:25-10:35	Address by the Chief Guest/ Guest of Honor	Brigadier Dr. RK Gupta (Director GIMS)
	10:35-10:45	Address by the Chair	Prof Ravindra Kumar Sinha Vice Chancellor, GBU
	10:45-10:50	Felicitation of the Dignitaries on Dias	By Organizers
	10:50-10:55	Vote of Thanks	Prof N.P. Melkania GBU
	10:55-11:00	National Anthem and Dispersal	Collective
	11:00-11:15	Tea Break	
Thematic Sessions			
II	11:15-11:30	Ice Breaking Session	Dr.PreetiSoni SPC, IUINDRR, NIDM, Ministry of Home Affairs, GOI
	Discussion on the process for delivering the contents		
	11:30-12:00	Discussion on Foundation Course on curriculum Disaster Risk Reduction	Prof. Santosh Kumar Head, GIDRR & Director-IUINDRR-NIDM, Ministry of Home Affairs, GOI
	12:00-13:00	Methodology of Delivering Content: Pedagogy	Prof. Santosh Kumar Head, GIDRR & Director-IUINDRR-NIDM, Ministry of Home Affairs, GOI
	13:00-14:00	Lunch Break	
Thematic Session-1		Concepts of Disaster (UNIT-I)	

III	14:00-15:00	<ul style="list-style-type: none"> Hazard and Disasters – Concepts, Vulnerability and Risks Hazard and Disaster Type Phases of disasters, risk management and post-disaster responses 	Dr.PreetiSoni SPC, IUINDRR, NIDM, Ministry of Home Affairs, GOI
	15:00-15:15	Tea Break	
Thematic Session-2		Causes and Impacts of Disasters (UNIT-I)	
IV	15:15-16:15	<ul style="list-style-type: none"> Disaster Preparedness Rescue, Relief, Rehabilitation Reconstruction & Prevention 	Dr Nirmita Mehrotra Gautam Buddha University
Day-2 07 February 2023			
Thematic Session-3		Disaster Vulnerability Profile of India (Unit-I)	
V	10:00-11:00	<ul style="list-style-type: none"> Construction techniques as per Indian Standards/ Use of Science and technology in DRR Services and Activities of National Center for Seismology towards earthquake disaster mitigation 	Dr Ajay Pratap Singh Scientist-E, National Centre for Seismology, Ministry of Earth Science
	11:00-11:45	<ul style="list-style-type: none"> Arsenic Disaster: A public health emergency in India 	Dr Chander Kumar Singh TERI School of Advanced Studies, New Delhi
	11:45-12:00	Tea Break	
Thematic Session-4		Community Based Disaster Risk Reduction (UNIT-II)	
VI	12:00-13:00	<ul style="list-style-type: none"> Conceptual Design for EQ resistant buildings Do's and Don'ts before, during and after earthquakes 	Dr Shilpa Pal Delhi Technological University
	13:00-14:00	Lunch Break	
Thematic Session-5		Disaster Intervention Practices (UNIT-II)	
VII	14:00-15:45	<ul style="list-style-type: none"> Basic life supports Disaster Management in hospitals Mass casualty 	Brigadier Dr. RK Gupta (Director GIMS)
	15:45-16:00	Tea Break	
Thematic Session-6		Disaster Preparedness Planning (UNIT-II)	
VIII	16:15-17:00	Post Disaster Mental Trauma	Dr Anand Pratap Singh Gautam Buddha University

Day-3 08 February 2023			
Thematic Session-7		Disaster Management (UNIT-III)	
IX	10:00-10:45	<ul style="list-style-type: none"> Disaster Vulnerability of India with special reference to Northern regions and states of India. Standards 	Prof. Santosh Kumar Head, GIDRR & Director-IUINDRR-NIDM, Ministry of Home Affairs, GOI
	10:45-11:00	<ul style="list-style-type: none"> PAN India, Different initiative for disaster preparedness to reduce the risk 	Dr. Preeti Soni, SPC, NIDM, Ministry of Home Affairs, GOI
	11:00-11:15	Tea Break	
X	11:15-12:00	<ul style="list-style-type: none"> Disaster Management - Policy Prescriptions. 	Pamarty Venkataramana International Business & Policy Strategist Advocate, Supreme Court of India.
	12:00-13:00	<ul style="list-style-type: none"> Governing Law for effective DRR 	
	13:00-14:00	Lunch	
Thematic Session-8		Disaster Management (UNIT-III)	
	14:00-15:30	Natural Hazards in Nainital Area, Kumaun Lesser Himalaya	Prof. Girish Kumar Sharma Delhi University
	15:30-17:00	Psychological First-aid and humanitarian approach	Dr. Preeti Soni, SPC, NIDM, Ministry of Home Affairs, GOI
Day-4 09 February 2023			
Thematic Session-9		Disaster Management (UNIT-III)	
XII	10:00-11:00	Use of Science and Technology in DRR/Lab Visit / Mock Drill	Dr Pradeep Tomar Gautam Buddha University
	11:00-11:15	Tea Break	
XIII	11:15-12:15	Planning strategies (state and district DM planning); planning needs, Gram Panchayat Level Disaster Risk Reduction (GP-DRR)	Prof. Niranjan Prakash Melkania Gautam Buddha University
	12:15-13:00	Framework for Preventing and Reducing Risks and Mitigating Potential Impact	Dr Reena Nupur
	13:00-14:00	Lunch	
XIV	14:00-16:00	Early Warning and Emergency Response through Remote Sensing and GIS	Dr Pushendra Singh RMSI
	16:00-17:00	Post Disaster Mental Trauma: Practical Session	Dr A.P. Singh Gautam Buddha University
Day 5 10 February 2023			

XV	10:00-11:00	Presentations by Groups Topics: Concepts of Hazard, Risk & Vulnerability, Disaster Intervention Practices and Components of DM	Dr. Preeti Soni , SPC, IUINDRR-NIDM Dr. Sushil Kumar , GBU
	11:00-11:30	Discussion on Reference Material	Prof. Santosh Kumar Head, G&IDRR, NIDM, Ministry of Home Affairs, GOI Dr. Preeti Soni , SPC, IUINDRR-NIDM
	11:30-11:45	Tea Break	
Valedictory Session			
XVI	11:45-13:00	<ul style="list-style-type: none"> ▪ Workshop Report ▪ Way forward ▪ Address ▪ Address ▪ Distribution of Certificates ▪ Felicitation ▪ Vote of Thanks 	Dr. Amit Awasthi , Gautam Buddha University Prof. Santosh Kumar Director, IUINDRR-NIDM, MHA Dr. Vishwas Tripathi Registrar, Gautam Buddha University Prof. R. K. Sinha , Vice Chancellor Gautam Buddha University All Dignitaries Dr. Preeti Soni , SPC, IUINDRR-NIDM
	13.00-14.00	Lunch	

INAUGURAL SESSION

Welcome Address: Dr. Amit Kumar Awasthi provided the welcome remarks of the programme by first welcoming the Honourable Chief Guest, Brigadier Dr. RK Gupta (Director GIMS). Then he welcomed Prof Ravindra Kumar Sinha, Vice Chancellor, GBU, Dr. Preeti Soni, SPC, IUINDRR, NIDM, Prof. Santosh Kumar Head, GIDRR & Director-IUINDRR- NIDM and Prof N.P. Melkania, GBU along with Professional Colleagues and Friends in the august gathering who are participating in the programme “Inspiring the Minds for Disaster Risk Reduction” which has been specially designed for the Faculty Members of Northern region of India, also he facilitated in felicitating the guests on Dias with flower bouquets, mementos along with lamp lighting ceremony.



TECHNICAL SESSIONS

DAY 1: 06 February 2023

SESSION 1

Topic: Discussion on Foundation Course on curriculum Disaster Risk Reduction

Methodology: Board, discussion, experience sharing and activity

Objective: To make participants understand about the role of compassion and humanity for successful disaster reduction programme.

Activity: Information was provided to the participants through power point presentation and discussion Prof. Santosh Kumar, He mentioned **compassion** and **humanity** as the key words for successful disaster reduction programme. He covered all aspects of disaster risk reduction from finance to psychology in his session. He explained the effectiveness of little extra investment on disaster resilient development can saves thousands of crores of peoples hard earned money.

SESSION 2

Topic: Causes and Impacts of Disasters

Methodology: Power point presentation, discussion, experience sharing and activity

Objective: To make participants understand about the role of Developing activities that are useful for both addressing everyday risks that communities face and for responding to disaster situations

Activity: Dr. Nirmita Mehrotra shared information through power point presentation on resilient infrastructure and township development. She talked about Disaster Preparedness, Rescue, Relief,



Rehabilitation and Reconstruction & Prevention and focused on the forceful implementation of building code and conduct for a safe economic development of country. She also discussed that

the disaster preparedness is best viewed from a broad perspective and is more appropriately conceived of as a goal, rather than as a specialized programme or stage that immediately precedes disaster response.



DAY 2: 07 February 2023

SESSION 1

Topic: Disaster Vulnerability Profile of India

Methodology: Power point presentation, discussion, experience sharing and activity

Objective: To make participants understand about the Services and Activities of National Center for Seismology towards earthquake disaster mitigation

Activity: Dr Ajay Pratap Singh, National Centre for Seismology, Ministry of Earth Science discussed about Construction techniques as per Indian Standards/ Use of Science and technology in DRR, Services and Activities of National Center for Seismology towards earthquake disaster mitigation. He made participants aware about the widespread earthquake monitoring station across India and Bhookump mobile application for timely action by the citizens.



SESSION 2

Topic: Arsenic Disaster: A public health emergency in India

Methodology: Power point presentation, discussion, experience sharing and activity

Objective: To make participants understand about the Arsenic Disaster, a human made disaster and its possible proposed solutions.

Activity: Dr Chander Kumar Singh, TERI School of Advanced Studies enlightened the participants with his 2-decade filed work on Arsenic Disaster: A public health emergency in India. The chemical nature of arsenic, its physiological and medical consequences on prolong exposure were demonstrated in his lecture. Participant actively discussed this human made disaster and its possible proposed solutions.



SESSION 3

Topic: Community Based Disaster Risk Reduction

Methodology: Power point presentation, discussion, experience sharing

Objective: To make participants understand how the Community Based Disaster Preparedness mobilizes a group of people in a systematic way towards achieving a safe and resilient community/group.

Activity: Dr Shilpa Pal, Associate Professor from Delhi Technological University discussed the Conceptual Design for Earthquake resistant buildings and Do's and Don'ts before, during and after earthquakes. The importance of structural audit in our day-to-day construction was explained in

her lecture. She also discussed the NDRF mock drills, DROP-COVER-HOLD and Triangle of life saving tricks were beautifully discussed by her in a very simple way.



SESSION 4

Topic: Disaster Intervention Practices

Methodology: Power point presentation, discussion, experience sharing

Objective: To make participants understand how the Community Based Disaster Preparedness mobilizes a group of people in a systematic way towards achieving a safe and resilient community/group.

Activity: Brigadier Dr. RK Gupta, Director GIMS in his technical session discussed the Basic life supports, Disaster Management in hospitals, and Mass casualty. The session presented hand-on training to participants on handling emergency condition like cardiac arrest, choking etc. Dummy demonstrations were performed by the participants during the session.





SESSION 5

Topic: Disaster Preparedness Planning

Methodology: Discussion, experience sharing and Activity

Objective: To make participants understand about the basic concept about stress and trauma, how it is related to disaster victims and how to help disaster victims to overcome this condition.

Activity: Dr Anand Pratap Singh, Dept of Psychology discussed the Post Disaster Mental Trauma and the psychological tools and measures to overcome the stress among the disaster survivors. Dr. Singh discussed the various changes in the human behavior during and after the disaster and effective ways to help people overcome the stress through spiritual, distraction and positive thought process.



DAY 3: 08 February 2023

SESSION 1

Topic: Linguistic, Cultural, and Social Loss during the Disaster

Methodology: Discussion, experience sharing

Objective: For making participants understand how massive destruction, mass migration, displacement at a large scale end in Linguistic, Cultural, and Social Loss during the Disaster and making such loss of collective narratives and values count in rehabilitation programme.

Activity: Dr. Om Prakash discussed the cultural loss during the disaster. He discussed the need of focus towards the loss of language and culture which is often ignored in disasters risk reduction programmes. He touched the importance of least talked social and cultural loss in post disaster rehabilitation and resettlement plans in India.



SESSION 2

Topic: Disaster Vulnerability Profile of India

Methodology: Board, Discussion and experience sharing

Objective: To make participants understand that how disaster forces people to migrate and how can we take care of ourselves and others in such situations.

Activity: Prof. Santosh Kumar proceeded the session on Disaster Vulnerability of India with special reference to Northern regions and states of India. He discussed and presented many examples of recent disaster which affected the northern part of India. Disaster never kills, it's the infrastructure that kills the people was his focused statement. He discussed the forced migration of people due to long term impact of disaster like floods on agriculture. He motivated the participants to be a more aware and responsible citizen of India especially during and after disaster.



SESSION 3

Topic: Disaster Management – Policy Prescriptions, Governing Law for effective DRR

Methodology: Discussion and experience sharing

Objective: To make participants understand about the Governance, Strategies, Risk management and matrix of the climate policies.

Activity: Pamarty Venkataramana, International Business & Policy Strategist, Advocate, Supreme Court of India discussed the Disaster Management – Policy Prescriptions, Governing Law for effective DRR. He systematically discussed the Governance, Strategy, Risk management and matrix of the climate policies. The flaws and shortcomings of Government in disaster risk reduction with some practical solutions were discussed during his interactive session. Renewable energy, indigenous energy resources of India, trade audit, uniform telecom policies, radio towers, plastic waste management a cause of disaster was also discussed in his two technical sessions. Green goals and practical aspirations were also talked about in his technical session.



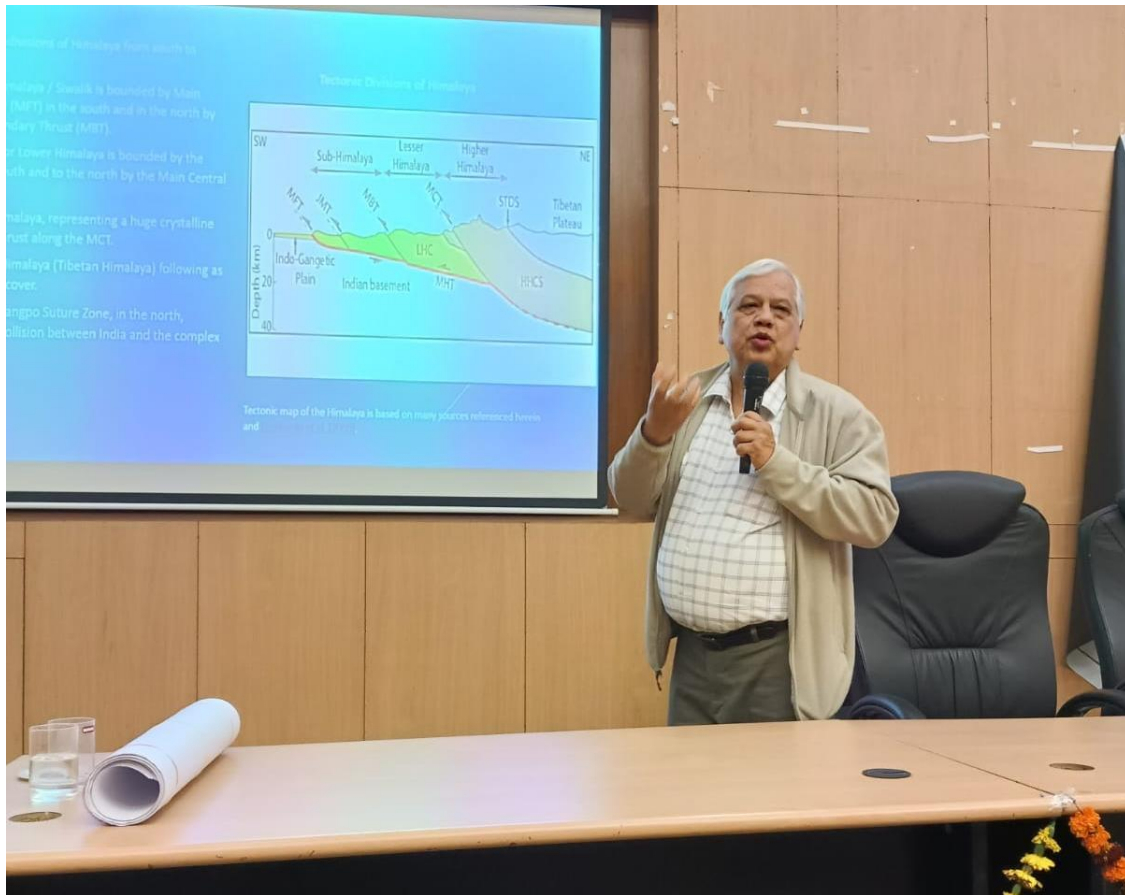
SESSION 4

Topic: Natural Hazards in Nainital Area and Kumaun Lesser Himalaya

Methodology: Power point presentation, Discussion and experience sharing

Objective: To make participants understand about the role of tectonic plate movements in various natural hazards such as earthquakes, tsunamis, landslides, and volcanic eruptions

Activity: Prof. Girish Kumar Sharma, Delhi University discussed the details about Natural Hazards in Nainital Area and Kumaun Lesser Himalaya. The slope instability and unawareness of people during Naini lake rejuvenation leading to drying of lake was explained in details during this technical session. The process of tectonic plate movements, induced disasters due to reservoirs, and liquefaction area of Indo-Gangetic plane was discussed in a simple way during his technical session.



SESSION 5

Topic: Psychological First-aid and humanitarian approach

Methodology: Power point presentation, discussion, experience sharing and activity

Objective: To make participants understand about the basic concept about stress and trauma, how it is related to disaster victims and how to help disaster victims to overcome this condition.

Activity: Dr. PreetiSoni discussed the Psychological First-aid and humanitarian approach during the last session of the day. Simple games and activities were played with the participants to understand the psychological behaviour and importance of empathy with the disaster victims. The lectured was designed to inculcate human values, sense of sympathy and compassion in the participants. The session was thoroughly enjoyed by all participants.

Then a role play was done where groups were made where there were two participants in each group and one played the role of victim of disaster and another played role of counsellor. In this way, they got a practical exposure of the real-life situation.



DAY 4: 09 February 2023

Meditation Session

The day started with soulful meditation session at the Meditation Center of GBU with **Dr. Meshram**. The importance of being in present and valuing present was explained and practiced during the session.



SESSION 1

Topic: Use of Science and Technology in DRR/ Lab Visit/ Mock Drill

Methodology: Power point presentation, discussion, experience sharing and activity

Objective: To make participants understand about the basic concept and use of Artificial Intelligence in disaster management and various types of attacks.

Activity: Dr. Pradeep Tomar discussed the use of Artificial Intelligence and Technology in disaster management. The recent human made disaster like AIIMS cyber-attack, Iloveyou virus, Amazon DDOS, and Twitter celebrity attacks case studies were discussed during the session. Artificial Intelligence, Machine Learning, and Deep learning technologies and its application in disaster management was presented in the session. Power IVR platforms, Digital Globe, AI based answer distress application were also discussed during the session. The use of drone technology was described and later practical demonstration was done for and by the participants. Hand-on handling of drone and its practical applicability was demonstrated to the participants.





SESSION 2

Topic: Planning strategies (state and district DM planning), planning needs, Gram Panchayat Level Disaster Risk Reduction (GP-DRR)

Methodology: Discussion, experience sharing and activity

Objective: To make participants understand about the approach towards policy planning and how machine should be a slave not a master

Activity: Prof. Niranjana Prakash Melkania talked about Planning strategies (state and district DM planning); planning needs, Gram Panchayat Level Disaster Risk Reduction (GP-DRR). The concept of free mind and removal of bias was discussed in the session with a self-explanatory article circulated to all participants. The role of experience, traditional knowledge, togetherness was explained by the speaker. What, Why, Where, When, Who, and How approach towards policy planning was explained in details. Culture and location specific policy planning with active involvement of gram panchayats was focused in the session. Some field based practical solution to prevent disasters were also explained. Common sense before science and technology were discussed in the session with focus on voluntarism was highlighted. Machine should be a slave not a master was the major remark and point of discussion during the session.



SESSION 3

Topic: Early Warning and Emergency Response through Remote Sensing and GIS

Methodology: Power point presentation and discussion

Objective: To make participants understand that how GIS techniques can act as a decision support tool and how Decision-making can be possible by the analysis of different GIS layers.

Activity: Shri Pushendra Singh, from RMSI discussed the Early Warning and Emergency Response through Remote Sensing and GIS. The latest technologies and real time technical actions were demonstrated in the session. Vsat based connectivity was also focussed to have an effective communication during and after disaster.



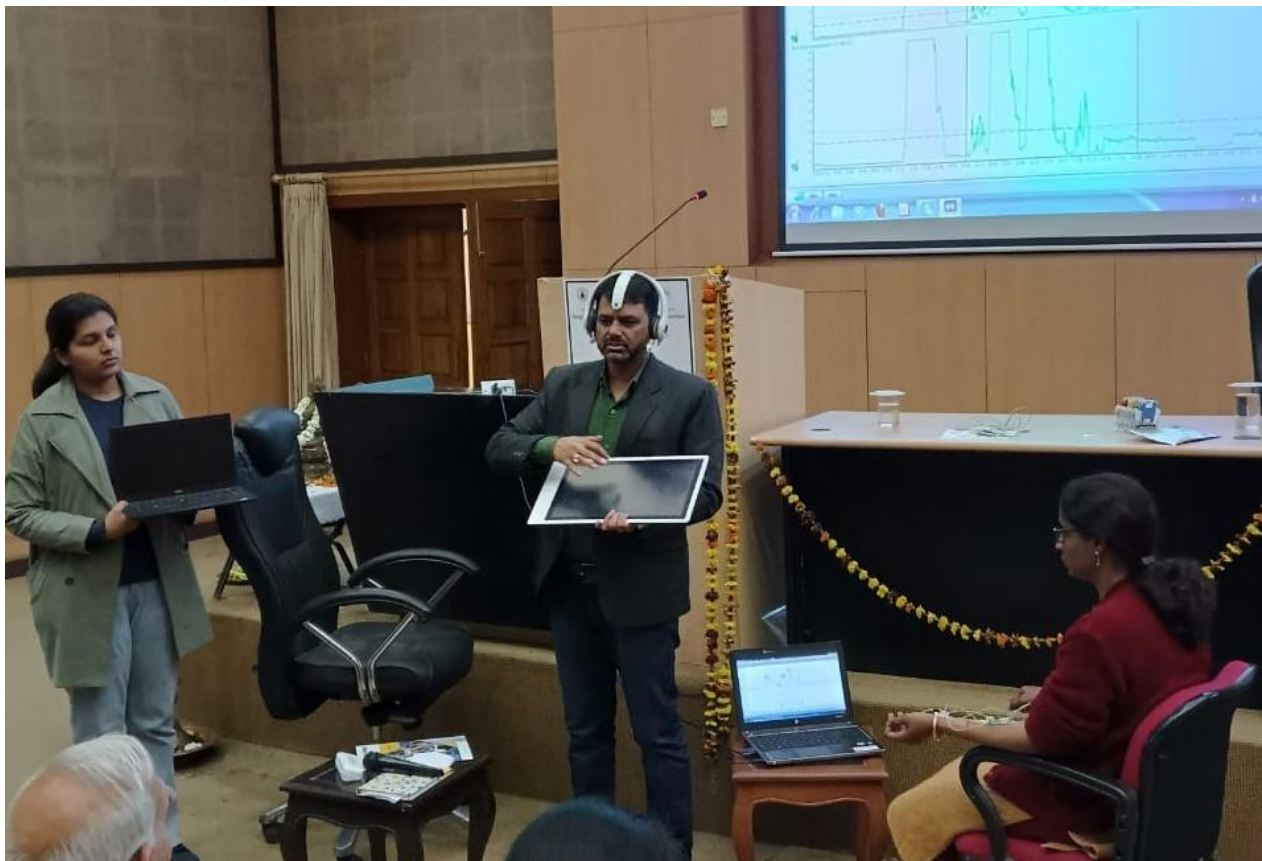
SESSION 4

Topic: Demonstration of tools and methods to treat stress and anxiety in the victims of disaster or any mental trauma.

Methodology: Tools Demonstration and discussion

Objective: To make participants understand that how to deal with stress and anxiety in the victims of disaster or any mental trauma.

Activity: Dr Anand Pratap Singh demonstrated the tools and methods used to treat stress and anxiety in the victims of disaster or any mental trauma. One of its on exceptional and latest machines for learning and understanding trauma and therapeutic control was practically demonstrated on the participants. The changes in the brain wave cycle during muscular tension was also envisaged during the session.



DAY 5: 10 February 2023

Topic: Concepts of actual disaster management plan on hypothetically thrown disaster

Methodology: Activity and discussion

Objective: To make participants understand about the plan of action and mitigation in case of disaster.

Activity The session was a revision session and actual disaster management plan on hypothetically thrown disaster by the interactive speaker Dr. Preeti Soni. Participants were initially asked to inventories the resources in the auditorium where the programme was held. They were asked to mark each and every resource including their respective seats. All participants were divided into 5-6 groups and were asked to prepare their respective Disaster Management Plan on chart papers. The session was practically conducted and respective groups provided their plan of action and mitigation in case of disaster.



DAY 5 - 10 February 2023

Valedictory Session

Summary of the Programme

The session was closed after closing remarks and way forward for Prof. Santosh Kumar, Head, G&IDRR. The briefing of all technical sessions was done by Dr. Amit Awasthi. He gave a brief overview of how the five-day Regional Capacity Building Training Program for academicians of Northern Region of India on "Inspiring the Minds for Disaster Risk Reduction" was very well brought up by the wonderful Participants practical experience was also shared in the closing ceremony.



Closing Remarks

National Institute of Disaster Management was also thanked for collaborating with Gautam Buddha University and expressing the importance and relevance of the Inspiring the Minds for Disaster Risk Reduction training, as well as the flawless live experience.





Dr. PreetiSoni proposed a vote of thanks to all of the key speakers and faculty who shared their vast knowledge and experience. Finally, she thanked the participants for being consistent and inquisitive learners, for showing up each day and making the training enjoyable and engaging.



MEDIA COVERAGE

आपदा व उसके जोखिम बताए



■ **एनबीटी न्यूज, ग्रेनो** : गौतमबुद्ध विश्वविद्यालय ने राष्ट्रीय आपदा प्रबंधन संस्थान के साथ मिलकर कार्यशाला की। इसका विषय था युवा विचारों को आपदा संबंधित जोखिमों के न्यूनीकरण के लिए प्रेरित करना। मुख्य वक्ता प्रो संतोष कुमार ने आपदा और उससे जुड़े जोखिमों के बारे में बताया। शिक्षण संस्थाओं की भूमिका ट्रांसफॉर्मेटिव होगी। विशेष अतिथि ब्रिगेडियर डॉ. आरके गुप्ता, निदेशक जिम्स ने अपने अनुभव साझा करते हुए कहा कि पहले आपदा की घटनाएं कभी-कभी सुनने को मिलती थी, लेकिन आजकल यह आम बात हो गई है।

जीबीयू में आपदा प्रबंधन पर कार्यशाला

ग्रेटर नोएडा। गौतम बुद्ध विश्वविद्यालय में आपदा प्रबंधन पर चल रही कार्यशाला के दूसरे दिन राष्ट्रीय आपदा प्रबंधन संस्थान के प्रोफेसर संतोष कुमार ने कहा कि प्राकृतिक आपदाएं प्रकृति में अत्यधिक घटनाओं के कारण होती हैं, जिसके लिए समाज तैयार नहीं है। आपदाएं अनिश्चित होती हैं। तुर्किये और सीरिया का भूकंप इसका उदाहरण है। अतीत में भी देखा गया है कि चमोली और उत्तरकाशी, महाराष्ट्र में लातूर, गुजरात, सिक्किम के भूकंप ने तैयारियों को चुनौती दी थी। उन्होंने कहा कि जलवायु परिवर्तन के कारण आपदा की घटनाओं में वृद्धि हो रही है। ब्यूरो

आपदा प्रबंधन पर कार्यशाला

ग्रेटर नोएडा: गौतमबुद्ध विश्वविद्यालय में आपदा प्रबंधन पर कार्यशाला का आयोजन किया गया। विशेषज्ञों ने आपदा प्रबंधन का कारण और बचाव के उपाय सहित विभिन्न मुद्दों पर चर्चा की। प्रोफेसर संतोष कुमार ने कहा कि प्राकृतिक आपदाएं प्रकृति में अत्यधिक घटनाओं के कारण होती हैं। इसके लिए समाज तैयार नहीं है। आपदाएं अनिश्चित होती हैं। यह कम आवृत्ति और उच्च प्रभाव वाली आपदा है। जैसा कि हम तुर्किये और सीरिया में आए भूकंप में देख रहे हैं। जलवायु परिवर्तन के कारण आपदा की घटनाओं में वृद्धि हो रही है। डा. निर्मिता ने कहा कि सामाजिक पूंजी हमारी सबसे मूल्यवान संपत्ति हो सकती है। (जास)

आपदा के पूर्व जोखिम कम करने से आपदाओं का प्रभाव कम होगा : प्रो. संतोष

ग्रेटर नोएडा, 6 फरवरी (देशबन्धु)। गौतम बुद्ध विश्वविद्यालय में राष्ट्रीय आपदा प्रबंधन संस्थान के साथ मिल कर युवा विचारों को आपदा संबंधित जोखिमों के न्यूनीकरण के लिए प्रेरित करना पर कार्यशाला का आयोजन हुआ। यह कार्यशाला आपदा जोखिम न्यूनीकरण पर भारतीय विश्वविद्यालयों और संस्थानों का नेटवर्क एनआईडीएम द्वारा भारत सरकार के निर्देशों के अनुसार और विशेष रूप से आपदा जोखिम न्यूनीकरण (डीआरआर) के लिए 10 ब्रिदु एजेंडा के एजेंडे-6 के अनुरूप स्थापित किया गया है। भारत के प्रधानमंत्री नरेंद्र मोदी के जलवायु परिवर्तन अनुकूलन



(सीसीए) पर वैश्विक मुद्दे, आपदा जोखिम न्यूनीकरण के लिए सेंटाई फ्रेमवर्क (2015-2030) और शिक्षा, नवीन प्रौद्योगिकी और अनुसंधान को बढ़ावा देने के लिए सतत विकास लक्ष्य (एसडीजी), क्षमता विकास की सुविधा, और स्थानीय जोखिमों और विभिन्न आपदाओं से

प्रभावित समुदाय के सबसे कमजोर वर्गों को ज़रूरतों को पूरा करने के लिए निर्णय लेने में योगदान दें। कार्यशाला के मुख्य वक्ता के रूप में प्रो. संतोष कुमार ने आपदा और उससे जुड़े जोखिमों से प्रतिभागियों को अवगत कराया। शिक्षण संस्थाओं की भूमिका ट्रांसफॉर्मेटिव होगा। विशेष अतिथि ब्रिग. डॉ. आर.के. गुप्ता, निदेशक जिम्स ने अपने आपदा से संबंधित अनुभवों को साझा करते कहा कि पहले आपदा की घटनाएं कभी-कभी सुनने मिलती थी, लेकिन आजकल यह आम बात हो गई है। इसलिए आपदा जोखिमों की जानकारी सभी को होनी चाहिए और यह कार्यशाला एक मील

का पथर साबित होगा। प्रो. रविन्द कुमार सिन्हा, कुलपति ने अपने अध्यक्षीय अभिभाषण में आपदा जोखिमों को कहा मानवीय आपदा से जोड़ें हुए कहा कि यदि आपदा का कारण तकनीकी है तो तकनीकी ही इसका निदान भी करता है।

अतः हमें अपने विचारों को प्रेरित आपदा जोखिमों से दो चार होने को ज़रूरत है यही समय की मांग है। जीबीयू में निकट भविष्य में आपदा प्रबंधन का केंद्र शुरू को जाएगी। कार्यक्रम में प्रो संतोष कुमार, डॉ. प्रीति सोनी, डॉ. अमित अवस्थी, डॉ. दिनेश शर्मा, डॉ. राकेश श्रीवास्तव, डॉ. अरविंद कुमार सिंह मौजूद रहे।

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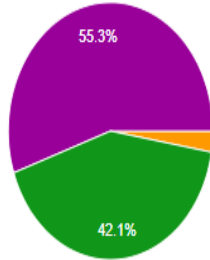
56	PRADEEP SINGH	9868999487	male	Gautam Buddha University, Gautam Budh Nagar,	Librarian
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COURSE FEEDBACK

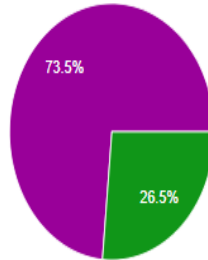
Attitudinal Change

38 responses



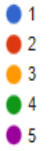
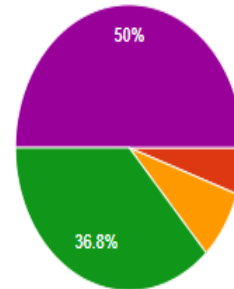
Boarding and Lodging

34 responses



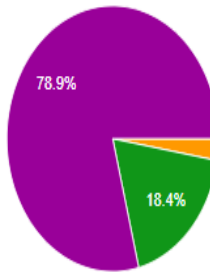
Skills

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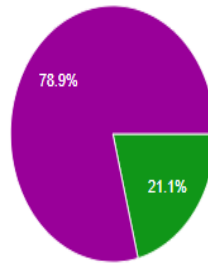
Speaker Effectiveness

38 responses



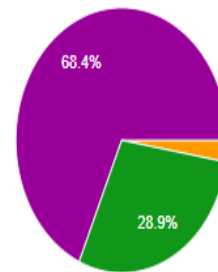
Knowledge Enhancement

38 responses



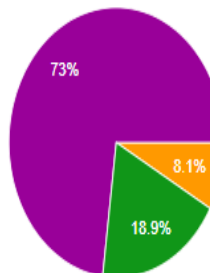
Training Methods

38 responses



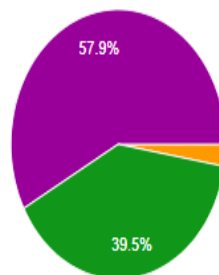
Course Content

37 responses



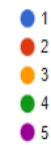
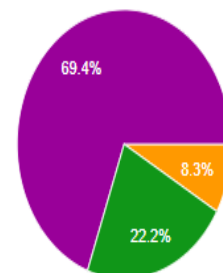
Practical Orientation

38 responses



Meditation

36 responses



The Takeaway of the workshop

Some major take away of the workshop are as under:

- Effectiveness of little extra investment on disaster resilient development can saves thousands of crores of people's hard earned money.
- Disaster preparedness is more appropriately conceived of as a goal, rather than as a specialized stage that immediately precedes disaster response.
- Earthquake monitoring station across India and Bhookump mobile application for timely action by the citizens.
- Arsenic Disaster, a public health emergency in India due to prolong exposure is considered as human-made disaster and its possible solutions.
- Importance of structural audit, NDRF mock drills, DROP-COVER-HOLD and Triangle of life saving tricks concerning Do's and Don't Do's.
- Hand-on training to participants on handling medical emergency condition like cardiac arrest, choking etc. Dummy demonstrations.
- Post Disaster Mental Trauma and the psychological tools and measures to overcome the stress among the disaster survivors.
- Importance of least talked social and cultural loss after disasters such as depletion of religious and spiritual sentiments.
- Disaster risk reduction with some practical solutions in the context of renewable energy, indigenous energy resources, trade audit, uniform telecom policies, radio towers, plastic waste management as Green goals.
- Tectonic plate movement induced disasters due to reservoirs and liquefaction area of Indo-Gangetic plane as the major concern of disaster.
- Demonstration of practical exposure of the real-life situation in the context of Disaster victim and disaster counselor.
- Significance of meditation/vipassana during Disasters.
- Hand-on handling of drone and its practical applicability in disaster zone to locate the victims and mapping of the affected region.
- Planning strategies (state and district DM planning); planning needs, Gram Panchayat Level Disaster Risk Reduction (GP-DRR).
- Early Warning and Emergency Response through Remote Sensing and GIS as an effective communication tool during and after disaster.
- Usefulness of Brain Wave as tool to treat stress and anxiety among the victims of disaster.

Organising Team

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