

INFORMATION BULLETIN

2024-25

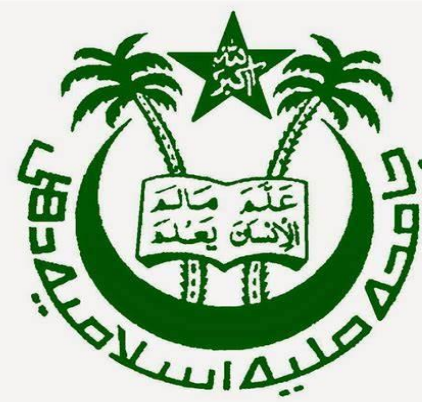


CENTRE FOR DISASTER MANAGEMENT



DEPARTMENT OF GEOGRAPHY

**Faculty of Sciences
Jamia Millia Islamia
New Delhi - 110025**



About the Centre for Disaster Management

The centre for disaster management (CDM) was established in the year 2018 with sole purpose to make young minds aware about the hazards, their causes, their socio-economic impact and the role of other disciplines like Geophysics, Geo-informatics, Civil Engineering in making India more resilient. The centre lays emphasis on quality lectures, rigorous lab work and comprehensive field work so that students can gain knowledge, acquire skills and have grass root level experience. The centre also provide proper exposure through exposure visits, participation of students in conferences/workshops/seminars to make students understand the global, national and local level efforts in making world disaster resilient. Also, centre collaborates with various reputed institutes like NDMA, NIDM, TERI, IMD for internship programmes, so that students can learn manners and ettiquetes of professional work culture. Apart from this, students are encouraged to carry out publication of research paper/articles under the supervision and guidance of experts in order to inculcate research aptitude.

**M.Sc. (Disaster Management and Climate
Sustainability Studies)
Semester - IV
2022-24**



Back Row (From Left to Right) - Saqlain Mushtaq Malik, Mohd. Umar Khan Md. Rafe Hashmi, Md. Yusuf, Tarique Umar.

Middle Row (From Left to Right) - Mohammad Umar, Khadijah Iffat Khan, Lubna Irfan, Nikita Pal.

Front Row (From Left to Right) - Rimsha Hashim, Joya Jahan, Trina Sur, Shabnam Tarique



Curriculum

M.Sc. in Disaster Management and Climate Sustainability Studies

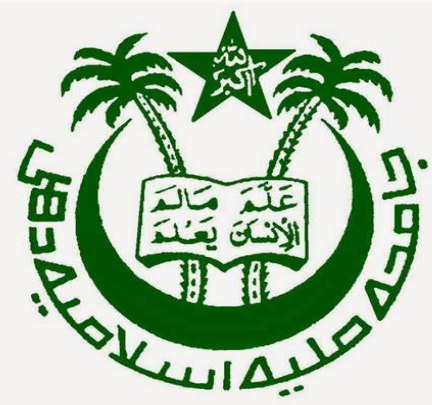
*** Fully Self Financed Course**

*** Enlisted in CUET**

About the Course

The Master's Programme in Disaster Management and Climate Sustainability Studies focuses on the challenges of intensified and frequent disasters coupled with threats of Climate Change both at global and local level. The concept of 'Sustainability' is at the core of this Master's Programme as 'Sustainable Development' and 'Resilience' go hand in hand. The course is amalgamation of various disciplines like Geophysics, Geo-informatics and Civil Engineering and hence, paves way to interdisciplinary, transdisciplinary and multidisciplinary research to explore the multifacets and complexity involved in climate change.

The course provides an opportunity to gain knowledge, learn skills and have grass root level experience. The course provides understanding regarding the interlinkages of physical, biological, geological and atmospheric factors in the intensification of disasters and climate related vulnerabilities. The exposure visits, used cases, interaction programmes are organized to make students understand the present scenario, and future prospects of climate change both at global and local level.



Learning Process

Students are groomed and trained through quality lectures, exposure visits, field work and data analytics. They learn both fundamentals and application part of Geophysics, Geo-informatics, Meteorology, Weather Forecasting, Micro-climatic changes, Energy and Climate Change, Global Climate Modelling, Economics of Climate Change. They are guided and supervised to develop expertise in operation of software like QGIS, ArcGIS to analyze geospatial data and develop appropriate maps. They also participate in workshops/conferences/training programmes to learn about innovative tools, techniques and methods in Disaster Management.

Course Design

The course is designed with provision of field work in each semester, appropriate space to dissertation work and one full semester devoted to internship programme. The course prepares students to work both onsite and offsite. The course focuses on developing full potential and capabilities of students so that they contribute in mitigating and adaptation of climate change vis - a - vis sustainability.



Course Structure

Semester - 1

DMM - 101 Introduction to Disaster Management and Developments

DMM - 102 Introduction to Climate Change and Sustainability

DMM - 103 Hazards and Extreme Events

DMM - 104 Regional Geography of Hazards and Disasters in India

DMM - 105 Geoinformatics in Disaster and Climate Change

DMM - 106 Application of Technologies for Risk, Vulnerability and Resilience

DMM - 107 Field Work - I

Semester - 2

DMM - 201 Preparedness, Adaptation and Mitigation

DMM - 202 Disaster Laws, Policies and Institutions

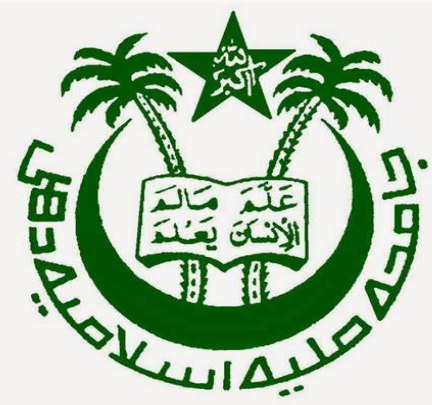
DMM - 203 Climate Modelling and Sustainable Planning

DMM - 204 Environmental Planning, Management and EIA

DMM - 205 Disaster Risk Reduction and Management Plans

DMM - 206 Modelling Approaches for Climate Risk and Induced Disasters

DMM - 207 Field Work - II



Semester - 3

- DMM - 301 Chemical, Biological, Radiological and Nuclear Emergencies
- DMM - 302 Disaster Epidemiology and Public Health
- DMM - 303 Community Based Disaster Management
- DMM - 304 Urban Disaster Risk Management and Sustainability
- DMM - 305 Ecosystem Approach for Disaster Risk Reduction
- DMM - 306 Techniques for Public Participation and Disaster Profile
- DMM - 307 Field Work - III

Semester - 4

Dissertation

FACULTY MEMBERS



Prof. Haroon Sajjad

Head

Department of Geography



Prof. Masood Ahsan Siddiqui

Co-ordinator

Centre For Disaster Management



Prof. Lubna Siddiqui

Deputy Co-ordinator

Centre For Disaster Management



Mr. Parvez Hayat

Advisor

Centre For Disaster Management



Prof. Atiqur Rehman

Chief Proctor

Department of Geography

FACULTY MEMBERS



Prof. Mary Tahir
Professor
Department of Geography



Dr. Taruna Bansal
Professor
Department of Geography



Dr. Asif
Assistant Professor
Department of Geography



Dr. Adnan Shakeel
Assistant Professor
Department of Geography

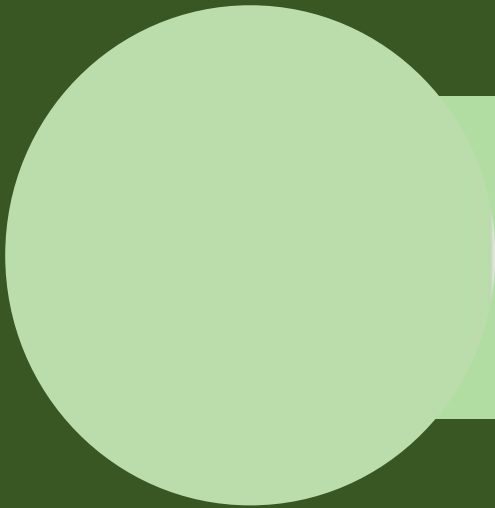


Dr. Hasan Raja Naqvi
Assistant Professor
Department of Geography

FACULTY MEMBERS



Dr. Aruna Parcha
Associate Professor
Department of Geography



Dr. Ismail Haque
Assistant Professor
Department of Geography



Dr. Ghazal Salahuddin
Assistant Professor
Department of Geography



Dr. Sandesh Yadav
Guest Faculty
Centre For Disaster Management

FACULTY MEMBERS



Dr. Shahfahad

Assistant Professor (Contractual)
Department of Geography



Dr. Mohd. Muqees Khan

Assistant Professor (Contractual)
Department of Geography



Dr. Tasawwur Husain Zaidi

Guest Faculty
Centre for Disaster Management



Dr. Mohd. Sadiq Salman

Guest Faculty
Department of Geography

ALUMNI TESTIMONIALS

AAFREEN HAIDER
IDRR, Young Professional
NIDM, Delhi



I have pursued both PGDDM and MSc. (DMCSS) at the CDM, JMI. These courses helped me in uplifting, motivating, and encouraging to develop significant abilities. These courses are well structured with student centric design so it's easy to get inspired and implement the techniques. My educational background in DMCSS leads me to conduct training & webinars and wonders to develop my personal growth. The staff is also proficient, supportive & approachable towards the students.

SONAM SAROHA
Executive BD (GIS)
Asteria Aerospace Limited
Bangalore



The M.Sc. (DMCSS) course at CDM, JMI, Delhi has provided me learning experiences about academics as well as life. The faculty members left no stone unturned in nurturing me. The course design helps students to understand various technical and complex DRR concepts along with the applications of Remote Sensing and GIS tools. I took three internships under the guidance of Prof. Masood Ahsan Siddiqui and my experience has been no less than a roller coaster ride complimented with tons of learning and a direct exposure to real life applications of the course.

ALUMNI TESTIMONIALS

ALTAMASH KHAN

**Marketing & Communication
Officer, Seahorse Group, Qatar**



I have pursued both PGDDM and M.Sc. (DMCSS) at the CDM, JMI during 2017 and 2020. The Centre stands far ahead from its counterparts due to social and scientific temperament in curriculum. The curriculum enables students to understand the technicalities of intensified and frequent disasters. The provision of internship and dissertation helps students to find innovative solutions under the supervision of experts. I am deeply grateful to Prof. Masood Ahsan Siddiqui and Shri Anil Kumar Sinha for their all needed support during the courses.

RIKZA IMTIYAZ

**Lecturer
DMGM College, Srinagar**



The M.Sc. (DMCSS) addresses the diverse aspects of DRR by providing both practical as well as theoretical knowledge. This course focuses on integrated approach of sustainability and Disaster Management and provides holistic methodology to tackle the dire consequences. Being an alumni of CDM, I can safely vouch down my vote for the uniqueness of the course as well as its demand in the professional world. I also express my gratitude to Prof. Masood Ahsan Siddiqui for his immense support during the course.

CURRENT PLACEMENTS

KHATIJA FEROZ
UTDRF
Leh Laddakh



FAISAL HUSSAIN
Research Assistant
IIT Delhi, Delhi



STUDENT PROFILE



Name : LUBNA IRFAN
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : THREE
Training Programme : EIGHT
Paper Presented : TWO
Poster Presented : ONE



Name : TRINA SUR
Graduation Degree : B.Sc. (H) GEOGRAPHY
Workshop : SIX
Training Programme : EIGHT
Paper Presented : TWO
Poster Presented : ONE



Name : MD. RAFE HASHMI
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : SIX
Training Programme : EIGHT
Paper Presented : TWO
Poster Presented : ONE



Name : JOYA JAHAN
Graduation Degree : B.Sc. (H) GEOLOGY
Workshop : SIX
Training Programme : EIGHT
Paper Presented : TWO
Poster Presented : ONE

STUDENT PROFILE



Name : NIKITA PAL
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : SIX
Training Programme : EIGHT
Paper Presented : TWO
Poster Presented : ONE



Name : TARIQUE UMAR
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : SIX
Training Programme : EIGHT
Paper Presented : TWO
Poster Presented : ONE



Name : RIMSHA HASHIM
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : SIX
Training Programme : EIGHT
Paper Presented : FOUR
Poster Presented : ONE



Name : KHADIJAH IFFAT KHAN
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : SIX
Training Programme: EIGHT
Paper Presented : FOUR
Poster Presented : ONE

STUDENT PROFILE



Name : SHABNAM TARIQ
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : TWO
Training Programme : FIVE
Paper Presented : TWO
Poster Presented : ONE



Name : SAQLAIN MUSHTAQ
Graduation Degree : B.Sc (H) GEOGRAPHY
Workshop : THREE
Training Programme : FIVE
Paper Presented : TWO
Poster Presented : ONE



Name : MD. YUSUF
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : TWO
Training Programme : FIVE
Paper Presented : ZERO
Poster Presented : ONE



Name : MOHAMMAD UMAR
Graduation Degree : B.Sc. (GEOGRAPHY)
Workshop : SIX
Training Programme : EIGHT
Paper Presented : TWO
Poster Presented : ONE

STUDENT PROFILE



Name : MOHD. UMAR KHAN
Graduation Degree : B.A. (H) GEOGRAPHY
Workshop : TWO
Training Programme : FIVE
Paper Presented : ZERO
Poster Presented : ONE



Name : SYED ALAM AHMAD
Graduation Degree : B.Sc. (H) GEOLOGY
Workshop : ONE
Webinar/Training : EIGHT
Paper Presented : TWO
Poster Presented : ONE

ACTIVITIES AT CDM

One Day Seminar

on

'Mountain Hydrology'

Organized By

Department of Geography, Jamia Millia Islamia, Delhi

Dated 27/02/2024



ACTIVITIES AT CDM

A Lecture

on

'Environment, Development and Resources'

Organized By

Department of Geography, Jamia Millia Islamia, Delhi

Dated 26/02/2024



ACTIVITIES AT CDM

International Conference

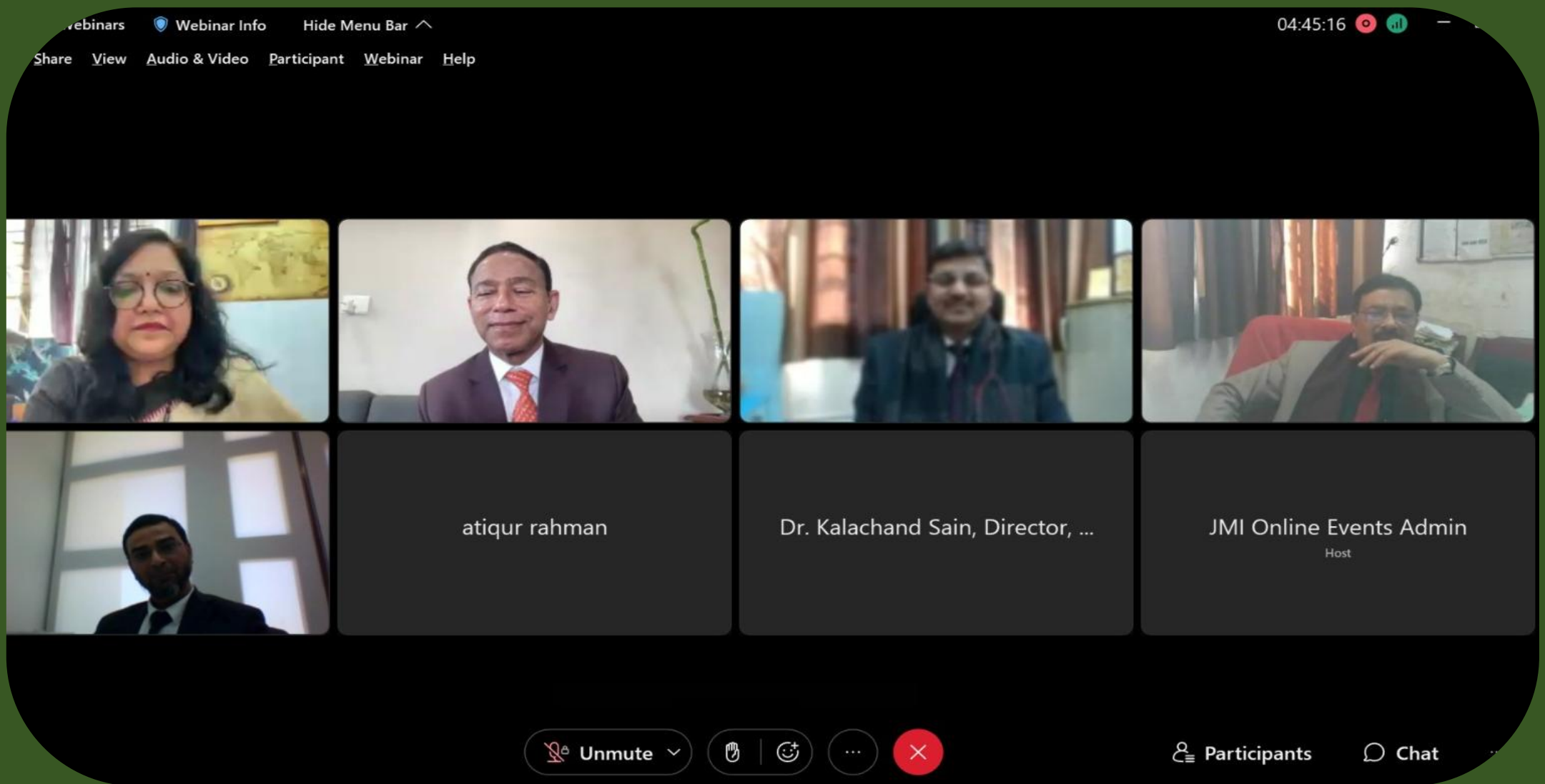
on

‘Climate Change, Disaster Management and Environmental Sustainability’

Organized By

Department of Geography, Jamia Millia Islamia, Delhi

Dated 21/02/2024 and 22/02/2024



ACTIVITIES AT CDM

A Lecture

on

'Lightning: The Evolving Science and Opportunities for Academia'

Organized By

Department of Geography, Jamia Millia Islamia, Delhi

Dated 15/02/2024



ACTIVITIES AT CDM

A Lecture
on

'Effective Use of Space-based Products and Geospatial Technology in Disaster Risk Reduction'

Organized By

Department of Geography, Jamia Millia Islamia, Delhi

Dated 06/02/2024



ACTIVITIES AT CDM

A Lecture
on

'Landslide Risk Assessment and Risk Assessed Land Use Plan in Earthquake Hit Area of Jugal Rural Municipality, Sindhupal Chowk District'

Organized By

Department of Geography, Jamia Millia Islamia, Delhi

Dated 29/12/2023



ACTIVITIES AT CDM

A Lecture
on
'Climate Change: Adaptation and Mitigation'
Organized By
Department of Geography, Jamia Millia Islamia, Delhi
Dated 30/10/2023



ACTIVITIES AT CDM

G20 Lecture Series

on

'Climate Change and Disaster Risk Reduction: Making Sustainability a Way of Life'

Organized By

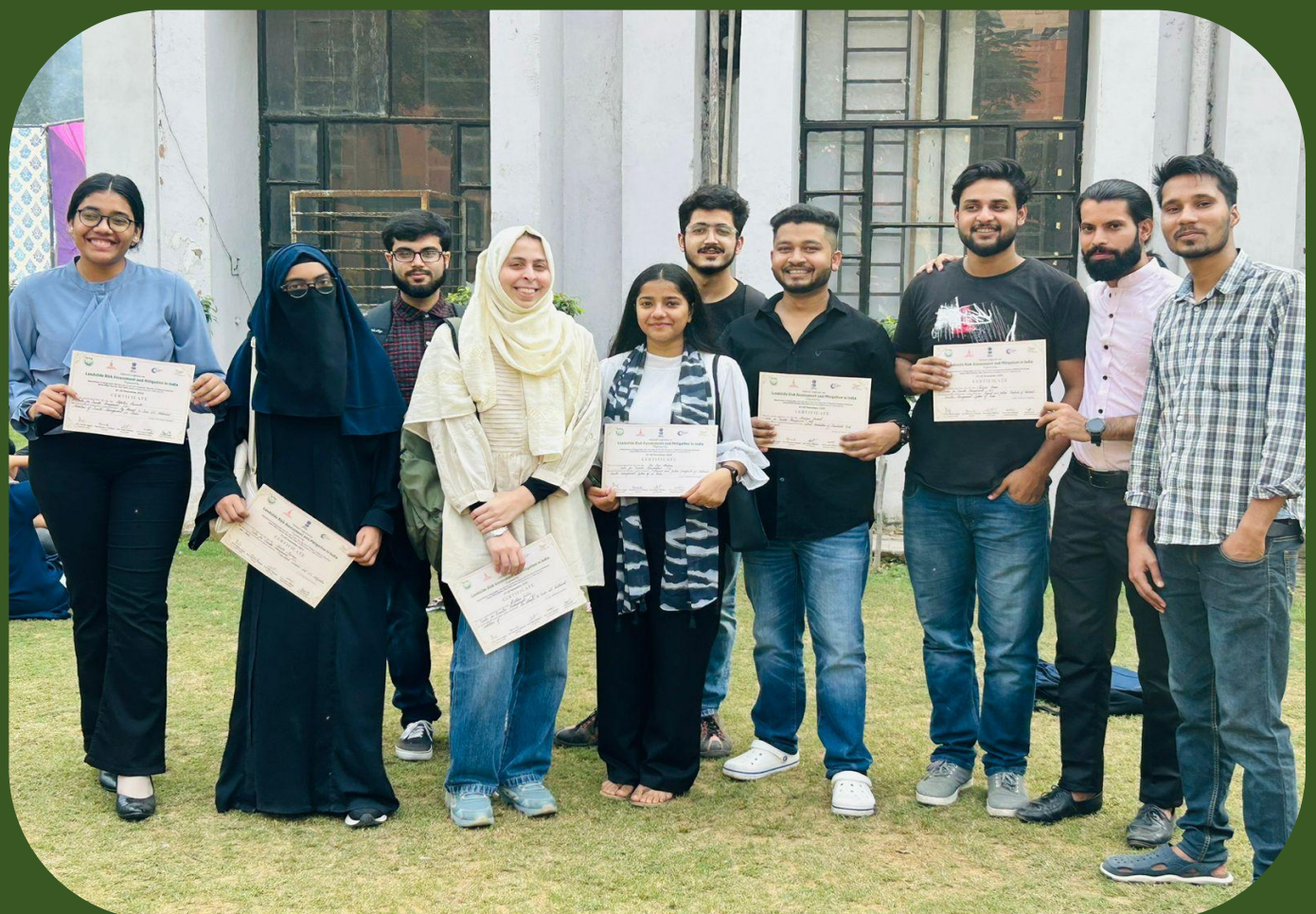
Department of Geography, Jamia Millia Islamia, Delhi

Dated 29 March 2023



ACTIVITIES AT CDM

National Conference
on
'Landslide Risk Assessment and Mitigation in India'
Organized By
Department of Geography, Jamia Millia Islamia, Delhi
Dated 01-02 November 2022



ACTIVITIES AT CDM

Faculty Development Training Programme

on

'Disaster Risk Reduction'

Organized By

Department of Geography, Jamia Millia Islamia, Delhi

Dated 01-05 August 2022



ACTIVITIES AT CDM

International Conference (Online)

on

'Challenges of Disasters: Vulnerability, Adaptation and Resilience'

Organized By

Department of Geography, Jamia Millia Islamia, Delhi

Dated 02-03 March 2022



Celebrating 100 Glorious Years of Enlightenment, Empowerment and Nation-Building



Centre for Disaster Management
Department of Geography
(UGC DRS SAP-I & FIST Supported)
Faculty of Natural Sciences
Jamia Millia Islamia, New Delhi, India
NAAC Accredited Grade "A"

Organizes

International Conference (Online)

On

**Challenges of Disasters: Vulnerability,
Adaptation and Resilience**

March 02-03, 2021

in collaboration with



National Institute of Disaster Management
New Delhi, India

and



Regional Remote Sensing Centre (North)
New Delhi, India

Patron

Prof. Najma Akhtar
Vice Chancellor
Jamia Millia Islamia
New Delhi, India

Convener

Prof. Mary Tahir (Head)

Co-Convener

Prof. Atiqur Rahman

Organizing Secretary

Prof. Haroon Sajjad

Co-organizing Secretary

Dr. Lubna Siddiqui

Organizing Committee

Prof. Seemi Farhat Basir
Dean, Faculty of Natural Sciences, JMI
Prof. Zahid Ashraf
Hony. Director Academics, JMI
Prof. Kafeel Ahmad
Hony. Director Research, JMI
Dr. Sushma Guleria, NIDM
Dr. V. M Chowdary, RRSC-N
Prof. M. Ishtiaque
Prof. Masood Ahsan Siddiqui
Dr. Taruna Bansal
Dr. Praveen Kumar Pathak
Dr. Aruna Paarcha
Dr. Hassan Raja Naqvi
Dr. Adnan Shakeel
Dr. Asif

About the Conference

Disasters pose threats to social, economic and ecological environment. Millions of people globally are affected by natural and human induced disasters. Nearly 90% people residing in countries exposed to natural hazards are experiencing extreme impoverishment due to the subsequent disaster shocks. Every year these disasters also push around 25 million people into poverty and cause economic losses of \$100 billion. Inter-governmental Panel on Climate Change (IPCC) defines disasters as the stern changes in the normal functioning of society or community to the hazardous physical events after interacting with the social conditions resulting in huge environmental, social and economic losses that need quick response and effective support for recovery. Climate change has been identified as the major determinant of changes in the global conditions and alteration in the normalcy of the environmental functioning. These changes are driven by both the natural and anthropogenic processes. The outcomes of these changes are increase in the frequency of extreme weather events including droughts, floods, sea level rise, heat waves and cyclones in fragile ecosystems. Such changes are accelerating the vulnerability of the socio-ecological system and tend to put pressure on the socio-economic conditions. Recently COVID-19 has emerged as a global biological hazard with unprecedented pressure on health systems and made communities vulnerable. Diversity of the implications have hindered the treatment and affected the global healthcare system. Factual evidences on the virus are still lacking in actual representation of the ground realities.

STUDENTS' PARTICIPATION

3rd Session
of
'National Platform for Disaster Risk Reduction (NPDRR) - 2023'
NPDRR Secretariat
National Institute of Disaster Management (NIDM)
Ministry of Home Affairs (MHA)
Government of India (GoI)
Dated 10-11 March 2023



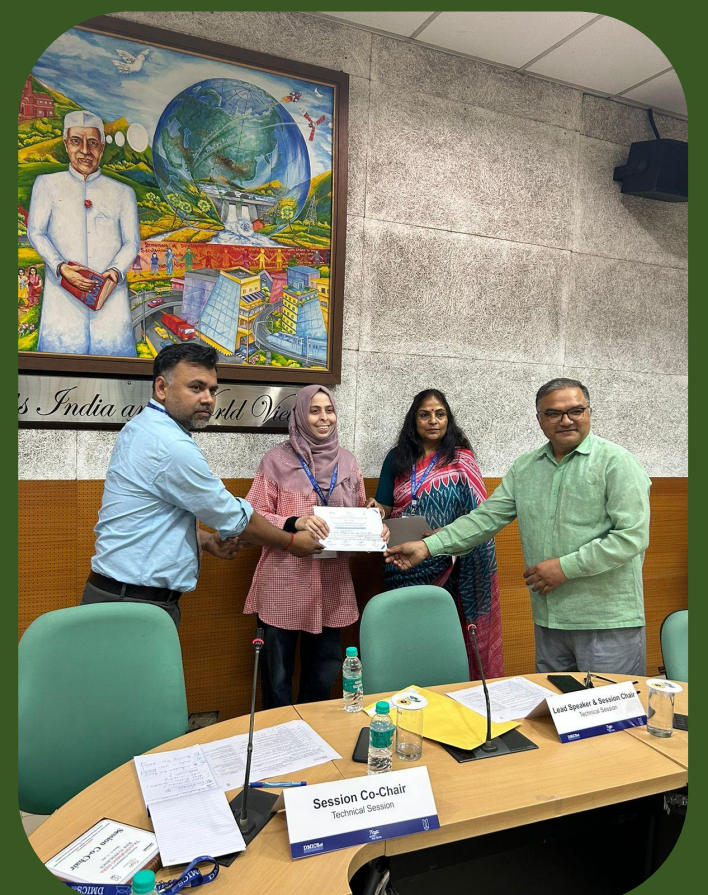
STUDENTS' PARTICIPATION

3rd Session
of
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NPDRR Secretariat
National Institute of Disaster Management (NIDM)
Ministry of Home Affairs (MHA)
Government of India (GoI)
Dated 10-11 March 2023



STUDENTS' PARTICIPATION

National Conference
on
'TRANSFORMING INDIA - RISK TO RESILIENCE'
Organized By
Special Centre for Disaster Research (SCDR)
&
Disaster Management Initiatives and Convergence Society (DMICS)
Jawahar Lal Nehru University, Delhi
Dated 15-17 March 2023



STUDENTS' PARTICIPATION

National Seminar
on
**'MICROZONATION RISK ANALYSIS AND DISASTER MITIGATION
PROCEDURE'**

Organized By
Civil Engineering Department, Jamia Millia Islamia, Delhi
Dated 19 January 2023



EXPOSURE VISITS



Indian Resilience Dialogue, 13/10/2022



**Reflections & Roadmap for Resilience:
Reimagining DRR Campaign, 04/11/2022**

EXPOSURE VISITS



Decoding COP27, 05/12/2022



B-EPICC Project Workshop, 2023

Strengthening Resilience Against Climate Change, 9-10 Jan' 2023

STUDENT CENTRIC ENVIRONMENT



RESIDENTIAL TRAINING PROGRAMME



Certificate Course on
'Climate Resilient Cities: An Integrated Planning and Designing Approach'

Organized by

Centre For Science and Environment (CSE) at

Anil Agarwal Environment Training Institute (AAETI), Nimli, Rajasthan

31 Jan'2023 - 03 Feb'2023

Information Bulletin

2024-25

FIELD VISIT

Dated - 27/11/23 to 01/12/23



FIELD VISIT

Dated - 27/11/23 to 01/12/23



FIELD VISIT

Dated - 27/11/23 to 01/12/23



FIELD VISIT

Dated - 27/11/23 to 01/12/23



FIELD VISIT

Dated - 27/11/23 to 01/12/23



INTERACTION WITH NDRF OFFICIALS



WORDS OF CLASS REPRESENTATIVES



MD. RAFE HASHMI
CLASS REPRESENTATIVE

Sem-4, M.Sc. (DMCSS)

Theoretical lectures, exposure visits and practical knowledge made me understand the causes, socio-economic impacts, role of agencies and Geoinformatics in Disaster Management. Moreover, faculty members viz. Prof. Masood Ahsan Siddiqui and Dr. Sandesh Yadav encouraged me for paper and poster presentations in National Seminar/Conferences. The well-equipped GIS Lab and 'student centric course design' have facilitated the learning process.



RIMSHA HASHIM
CLASS REPRESENTATIVE

Sem-4, M.Sc. (DMCSS)

Student Friendly Environment and supportive faculty like Prof. Masood Ahsan Siddiqui and Dr. Sandesh Yadav have proved my decision right to opt M.Sc. (DMCSS) course. Participation in training programmes (both onsite and online), conferences (paper & poster presentations), workshops have helped me to gain an edge in my studies and also injecting research aptitude in me. Provision of Hostel facility have made me to focus on my studies more.

WORDS OF STUDENT



LUBNA IRFAN
STUDENT
Sem-4, M.Sc. (DMCSS)

I feel very fortunate to be part of M.Sc. (DMCSS) course. This course has enhanced our knowledge, capacities and skills, and widened the perspective on disasters. Prof. Masood Ahsan Siddiqui and Dr. Sandesh Yadav support and make constant efforts to help each one of us to grow beautifully. Dr. Sandesh Yadav has been our cheerleader from day one. Hopeful and excited to explore more learning opportunities.



TRINA SUR
STUDENT
Sem-4, M.Sc. (DMCSS)

I am loving my academic journey in M.Sc. (DMCSS), CDM, JMI especially for supporting faculty members like Prof. Masood Ahsan Siddiqui and Dr. Sandesh Yadav. The environment in classrooms or during discussions is very sporting. Dr. Sandesh Yadav always motivates me to participate in as much events as I can and gain lot of experience along with practical knowledge. Having a beautiful time here altogether.

WORDS OF STUDENT



NIKITA PAL
STUDENT

Sem-4, M.Sc. (DMCSS)

M.Sc. (DMCSS) course has given me a really wholesome and diverse environment to explore and experience different opportunities. Healthy and strong discussions are an integral part of our classroom environment and the people I have met here are best part of DMCSS. Faculty members viz. Prof. Masood Ahsan Siddiqui and Dr. Sandesh Yadav are easy accessible in case student face any type of problem or issue.



TARIQUE UMAR
STUDENT

Sem-4, M.Sc. (DMCSS)

With background in Geography, M.Sc. (DMCSS) course is something I need so that I can contribute in capacity building process, community awareness, cross-cutting issues, addressing issues and problems of poor/marginalized section. I am glad that we have Prof. Masood Ahsan Siddiqui and Dr. Sandesh Yadav to guide us and made us to believe that 'Team work makes dream work'.

WORDS OF STUDENT



KHADIJAH IFFAT KHAN
STUDENT

Sem-4, M.Sc. (DMCSS)

It's been a privilege to be a student of M.Sc. (DMCSS). I have very supportive classmates and faculty members. Prof. Masood Ahsan Siddiqui and Dr. Sandesh Yadav who always support us and motivate us to participate in conferences/workshops/training programmes. They always help us to focus on the expertise we have and to achieve what we aspire for. Overall, it's been a wonderful experience for me to be a student of M.Sc. (DMCSS), CDM, JMI.



SYED AALAM TAAB AHMAD
STUDENT

Sem-4, M.Sc. (DMCSS)

The M.Sc. (DMCSS) course is a correct mix of theoretical and practical knowledge which is very crucial for today's professional field. The course has provided an expert look into the current field of work through workshops, training programmes, conferences, summits while balancing theoretical lectures. The faculty members have been very supportive providing guidance through all the programs, lectures and practical lab work.



POST GRADUATE DIPLOMA IN DISASTER MANAGEMENT

This course is designed for working officials (both public and private sector) and so, all activities related to course are run in evening classes. Primary focus of this course is to assist the working officials with fundamental knowledge of Disaster Management and role of Geoinformatics in various adaptation and mitigation measures.

Semester - 1

PGDDMM - 101	Fundamentals of Disaster Management
PGDDMM - 102	Disaster, Laws and Policies
PGDDMM -103	Hazard, Risk and Vulnerability
PGDDMM - 104	Geoinformatics for Disaster Management

Semester - 2

PGDDMM - 201	Disaster Risk Reduction and Development
PGDDMM - 202	Community Based Disaster Management
PGDDMM - 203	Disaster Finance and Institutions
PGDDMM - 204	Project



CONTACT US

**Prof. Massod Ahsan Siddiqui
(Co-ordinator)**

+91- 9990948270

**Prof. Lubna Siddiqui
(Deputy Co-ordinator)**

+91- 9350970749

**Dr. Sandesh Yadav
Guest Faculty**

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