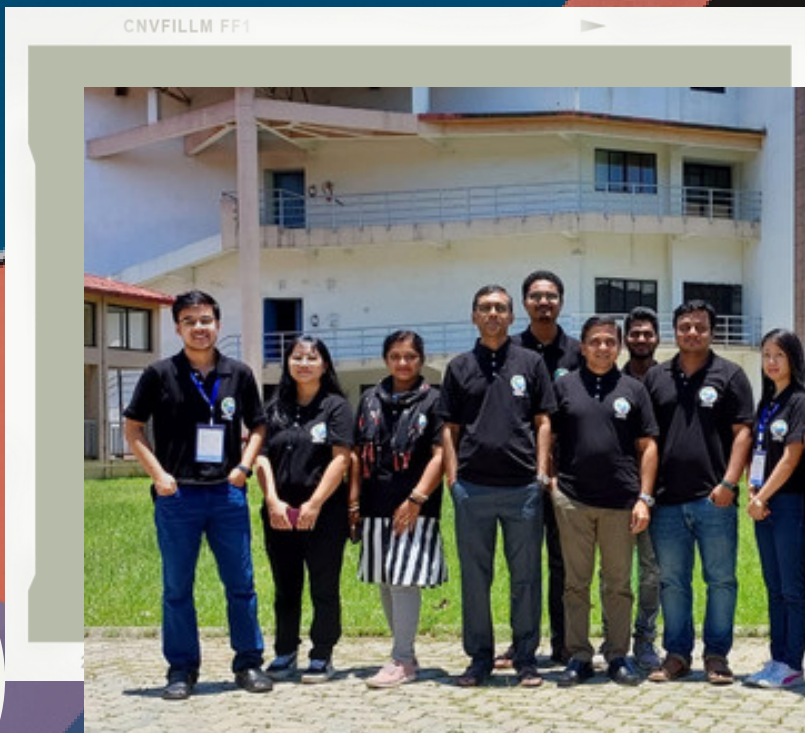




**CENTER FOR DISASTER
MANAGEMENT AND
RESEARCH**

**MSR IN DISASTER
MANAGEMENT AND RISK
REDUCTION**

**PLACEMENT BROCHURE
2022-23**



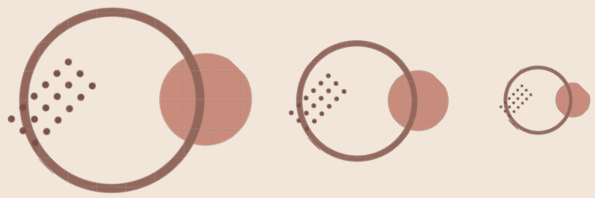


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HOC'S MESSAGE



Dear Recruiters,

For a sustainable development and a safer future Disaster risk reduction (DRR) is an integral part of any country's planning exercise for the future. As the first major international framework for disaster risk reduction, the Yokohama Strategy and Plan of Action for a Safer World (1994) recognized the interrelation between sustainable development and DRR. The 2030 Agenda for Sustainable Development recognizes and reaffirms the urgent need to reduce the risk of disasters. In addition to direct references to the Third UN Conference on DRR (Sendai Framework) outcomes, there are specific opportunities to achieve SDGs by reducing disaster risk.

India is prone to various disasters namely earthquake, landslide, flood, riverbank erosion etc. These disasters slow down the rate of growth and North East India witnesses these at regular intervals. Poor infrastructure and challenging geography make it more difficult to manage these disasters. There is need for out of box solutions to handle such disasters. With this in mind, IIT Guwahati established a new Centre for Disaster Management & Research (CDMR) which started its activities in January 2021. This centre has already started its two academic programs - MS by Research and PhD in Disaster Risk Reduction and Management. Two batches of Masters and three batches of PhDs are already on the roll.

CDMR students are being trained in various types and aspects of disaster management and risk reduction. To name a few flood, earthquake, landslide, climate change and agriculture, cloud burst, smart design, role of AI in DRR, governance, socio-economy, gender, geomatics, remote sensing etc. The strength of CDMR students is their experience in working in the interdisciplinary ecosystem. Their problem management skills and preparedness for handling the unseen are other aspects that make them suitable candidates for recruitment in any organization.

Best Regards,

Dr. SUDIP MITRA
HEAD OF CDMR

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About the Center


The centre is a multidisciplinary research and academic centre. The main aim is to impart advanced knowledge on technical and managerial skills to the professionals to make them equipped with innovative technologies for effective mitigation and management of disasters for the overall benefit of the society. The centre aims to achieve excellence in key areas of education and research at par with international standards. Regional issues especially related to Earthquakes, Climate change, Floods, Cyclones, Fire, Avalanche, Landslides, Cloudburst and their early warnings are other focus areas. The academic programs will help the candidates to build up the understanding on the disaster preparedness, response and recovery, vulnerability assessment, and post disaster management.

It will also help in developing innovation and R&D skills in the field of disaster risk reduction. This programme will be ideal for individuals who are from industrial, commercial or government institutions in the areas of disaster risk reduction and management and who wish to undertake R&D and innovation to solve problems in the field and its interlinked areas.

Contact US

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VISION

To develop as a state-of-the-art research, innovation, knowledge dissemination hub for Disaster Risk Reduction

MISSION

Advancement of knowledge and capacity building in disaster management, research, and innovation, for ensuring sustainability and societal resilience to disasters. CDMR is dedicated to work for the research, innovation and capacity building for North East Region. To fulfil this CDMR has taken a few proactive steps by signing MoU with NESAC, NIDM in India and Keio University, Japan to address issues of NER from S&T angle (with NESAC) and also on the Societal angle, training, capacity development (with NIDM). Certificate courses on the various roles played by S & T in reducing the disaster risk and enhancing the resilience of society are being developed.

Disaster Reduction Risk (DRR) lecture series has been initiated by CDMR which brings in experts from various parts of the world, corporates, Governments, Non-government organisations and virtual workshops are being organised for the capacity development of students and faculty.





RESEARCH AREAS

**Earthquake
&
Seismology**

**FLOOD
&
CLOUD
BURST**

**CBRN (CHEMICAL,
BIOLOGICAL,
RADIOLOGICAL
AND NUCLEAR)**

**Landslide
&
Erosion**

**GENDER
&
SOCIO
ECONOMICS**

**ROAD
&
TRANSPORTATION**

**ICT
&
CYBER
RISKS**

**CLIMATE
CHANGE
&
AGRICULTURE**

**CYCLONES
&
TSUNAMI**

**REMOTE
SENSING
&
GEOMATICS**





LIST OF COURSES OFFERED

CORE COURSES

- FUNDAMENTALS OF DISASTER MANAGEMENT
- SOCIO-ECONOMIC AND POLICY ASPECTS OF DISASTER RISK REDUCTION
- HAZARDS MONITORING AND PREDICTION
- RESEARCH METHODOLOGY AND FIELD VISIT

KEY ELECTIVE COURSES

- DISASTER GOVERNANCE
- NATURAL RESOURCES MANAGEMENT
- RURAL TECHNOLOGY AND DEVELOPMENT
- FINANCING FOR DISASTER RISK REDUCTION (DRR)
- ENVIRONMENTAL GEO-TECHNOLOGY
- INFRASTRUCTURE PLANNING
- WATERSHED MANAGEMENT AND REMOTE SENSING APPLICATIONS





LIST OF COURSES OFFERED

KEY ELECTIVE COURSES

- CLIMATE CHANGE: CAUSES, EFFECTS AND MITIGATION
- PRECISION REMOTE SENSING
- SYSTEM DESIGN FOR SUSTAINABILITY
- INTERNET OF THINGS





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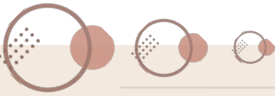


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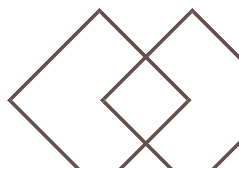


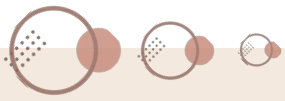
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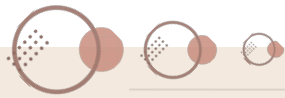
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GAURAV JYOTI GOGOI

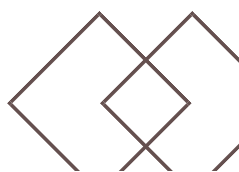
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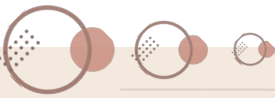
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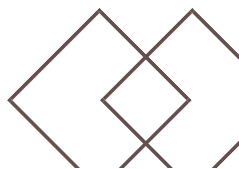


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DISASTER RISK REDUCTION LECTURE SERIES

The DRR (Disaster Risk Reduction) lecture series is an initiative taken by CDMR from the very first academic session, 2021-22. The prime objective of the DRR lecture series is to have a common platform where the scientists, experts, and professionals from the



leading industry/organizations, working in the forefront in the field of disaster management and risk reduction, can share their knowledge, experience and thoughts on a selected topic with the students of our center, to give the students a flavor of research, and exploratory activities carried out at the professional level. Following are some of the DRR lectures

VISITORS FROM OTHER INSTITUTES

PROF. RAJIB SHAW
KEIO UNIVERSITY, JAPAN

DR M. ARIZ AHAMMED
PRINCIPAL SECRETARY, IAS
GOVT. OF ASSAM

PROF MANISH KUMAR
UNIVERSITY OF PETROLEUM
AND ENERGY STUDIES
(UPES), DEHRADUN

**DR. JOYITA ROY
CHOWDHURY**
ASSISTANT
PROFESSOR OF
ECONOMICS, FLAME
UNIVERSITY

PROF. CHANDAN GHOSH
NIDM, NEW DELHI

**MAJOR GENERAL MANOJ
K BIDAL**
EXECUTIVE DIRECTOR,
NIDM

DR. MS LAKHSMI PRIYA
IAS, DEPUTY COMMISSIONER,
BONGAIGAON, ASSAM

MAUSUMI MORAN CHETIA
PHD, INTERNATIONAL
INSTITUTE OF SOCIAL STUDIES
THE HAGUE, NETHERLANDS

DR SP AGGARWAL
DIRECTOR, NESAC

DR. SUMIT VIJ
WAGENINGEN
UNIVERSITY, THE
NETHERLANDS

MR MIHIR JOSHI
CHIEF CONVENER,
SEEDS

MEMORANDUM OF UNDERSTANDING OF IIT GUWAHATI WITH CDMR AT FOCUS

1

INDIA JAPAN LAB
(IJL) KEIO
UNIVERSITY,
JAPAN



2

NATIONAL
INSTITUTE OF DISASTER
MANAGEMENT (NIDM),
MINISTRY OF HOME
AFFAIRS, GOVT OF
INDIA



3

NORTH
EASTERN SPACE
APPLICATION
CENTRE (NESAC)
GOVERNMENT OF
INDIA,
DEPARTMENT OF
SPACE



With Assam State Disaster Management
Authority(ASDMA)...Under Process



CONTACT US

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Visit us: <https://www.iitg.ac.in/cdmr>



Placement Brochure
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Debdut Sengupta
Ashutosh Pal