

ABOUT PRAYAGRAJ

The city of Prayagraj is among the largest cities of Uttar Pradesh. It is situated at the confluence of three rivers Ganga, Yamuna and the mythological Saraswati. The sacred meeting point is known as Sangam. Prayagraj city is well connected via Air, Rail and Road routes with major cities of India.

MNNIT ALLAHABAD

Motilal Nehru National Institute of Technology Allahabad, Prayagraj (MNNIT) is an Institute with total commitment to quality and excellence in academic pursuits. It was established in 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh as MNREC, and was an associated college of University of Allahabad. On June 26, 2002 MNREC was transformed into the National Institute of Technology, fully funded by the Government of India. The Institute has been granted the status of institution of national importance w.e.f. 15th August 2007.

DEPARTMENT OF CIVIL ENGINEERING

The Institute had begun offering Bachelor Degree Programmes in Civil Engineering. The Civil Engineering Department offers a Bachelor of Technology and four regular post graduate courses in Structural, Geotechnical, Environmental and Transportation Engineering. It also offers part-time courses for in-service engineers in the above mentioned specialization. The Department is also a recognized QIP (Quality Improvement Program) Centre for postgraduate studies. Department also offers a PhD Programme in the above specialization. The course curriculum is up-to-date which covers both traditional and recent developments. It also provides research and consultancy services to government /non-government organizations.

ABOUT NIDM

National Institute of Disaster Management is a statutory organization under the Ministry of Home Affairs, Government of India, mandated under the Disaster Management Act 2005 NIDM is mandated under section 42 (9) (b) to extend Capacity Building support to state governments and National and State level agencies in the field of Disaster Management & Disaster Risk. NIDM has been mandated by Sub-section 8 and 9, Section 42, Chapter 7 of Disaster Management Act 2005 to develop training modules and educational materials, undertake training, research, documentation and publication for capacity development and dissemination of knowledge/information related to disaster management, assist in formulation of policies, plans, strategies and

frameworks for disaster risk reduction and resilience as well as promote awareness among different stakeholders for enhancing human capacity to avoid, prevent, mitigate, prepare, respond and recover efficiently in a proactive, holistic and integrated manner.

IMPORTANT DATES

Last date for receiving applications: **April 22, 2024**

Notification of acceptance: **April 25, 2024**

ORGANIZING COMMITTEE:

- Patron**
- Shri Rajendra Ratnoo, IAS Executive Director, NIDM, Delhi
 - Prof. Rama Shanker Verma, Director, MNNIT, Allahabad
- Chairman**
- Prof. Surya Prakash, Head (Geo-Meteorological Risks Management), NIDM, Delhi.
 - Prof R. M. Singh, Head, Department of Civil Eng. MNNIT Allahabad.
- Coordinators**
- Prof. R. P. Singh, Civil Eng. MNNIT Allahabad
 - Prof. H. K. Pandey, Civil Eng. MNNIT Allahabad.
 - Dr. Binit Kumar, Assistant Professor, Civil Eng. MNNIT Allahabad.
 - Dr. Ananth Wuppukondur, Assistant Professor, Civil Eng. MNNIT Allahabad.
 - Mr. Sandeep Kumar Singh, Young Professional, NIDM, Delhi
- Student Coordinators:**
- Mr Swapnil Kumar Sharma, Research Scholar, Civil Eng. MNNIT Allahabad
 - Mr Amit Kumar Pandey, M.Tech

FOR ALL CORRESPONDENCE/CONTACT:

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For details visit <http://www.mnnit.ac.in>

Five Days Short Term Course (Hybrid mode)

On

Flood Estimation and Hydraulic Structures-New Approach for Risk Reduction (FEHS -2024)

April 29 - May 03, 2024



**Jointly Organized
By**

**National Institute of Disaster Management (NIDM)
Ministry of Home Affairs, Delhi –110042
&**

**Department of Civil Engineering
Motilal Nehru National Institute of Technology
Allahabad, Prayagraj - 211004**

BACKGROUND

Dams are mainly constructed to regulate the catchment runoff for those rivers in which the temporal variations in the inflow are highly skewed and the floods need to be mitigated. However, construction of a large dam brings prominent changes in the river morphology and groundwater elevation which affects the surrounding areas and ecological aspects. It is reported that around 60,000 large dams are already registered with the International Commission on Large Dams (ICOLD) and more than 350 new dams (>60 m) are being constructed every year. Globally, 33.3% of the dam failures are reported to be due to insufficient spillway capacity. The present situation and future sustainability demand the safety of dams and reservoirs to meet revised design flood values. The upstream siltation causes losses in the storage of the reservoir and the affected sediment movement can change the channel form and aquatic life. In addition, the reduction of the maximum water level (MWL) can minimize the extent of the inundated area, which can be helpful in the relocation and rehabilitation of the villagers (if any) and the habitats that are affected by the project.

COURSE OBJECTIVE

Proposed short term course aims to bring researchers from various institutes to exchange their recent research findings focusing on flood estimation and its management. State-of-art techniques to evaluate the hydraulic structure which can mitigate the risk of floods as well as the future sustainability of hydraulic structures in view of the safety of dams, reservoirs to meet revised design flood values.

COURSE CONTENTS

Assessment of safety of dams and reservoirs, Flood management, Flood estimation techniques using numerical methods, Canal and river training structures, sedimentation management techniques, sustainable design of novel weirs, Dam safety and rehabilitation, Risk and hazard assessment, Debris management, Water Resource Management options in flood prone area, Hands on training on Dam Break Analysis and Modelling.

TARGET AUDIENCE

Faculty, Officers, Engineers, Scientists and researchers working for Floods, Hydraulic structures, River training works, Water resources management in

different organisations are expected to join this course.

SPEAKERS

The speakers like faculty members/experts from IIT's/ MNNIT/ Other NIT's and scientists from field organisations like NIDM and Reputed Institutes/ Consultants in relevant areas would be invited so that sound knowledge and technical input are disseminated to the participants.

VENUE

Department of Civil Engineering, MNNIT Allahabad, Teliarganj, Prayagraj, Uttar Pradesh- 211004

NOTE

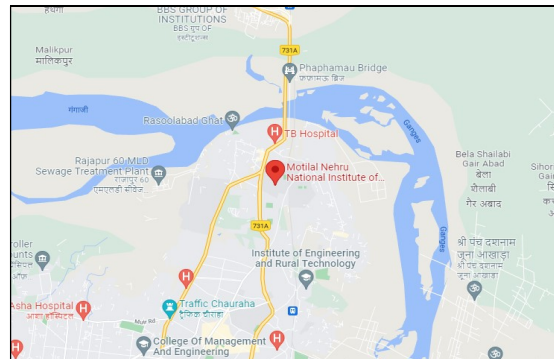
- Course fees are exempted for participants.
- Available seats will be filled on first cum first basis as well as preliminary screening.
- A separate registration form shall be used for every applicant.
- Incomplete registration form shall be rejected.
- All the participants will be given certificate on the successful completion of the training programme.
- Organisers have all the rights to cancel the course under unavoidable circumstances which will be communicated to all the participants by email.

IMPORTANT NOTE:

All the participants are supposed to register online on MNNIT registration link provided below.

ROUTE MAP OF MNNIT ALLAHABAD

Motilal Nehru National Institute of Technology Allahabad, Teliarganj, Prayagraj, Uttar Pradesh – 211004, Phone: +91-532- 2271318 (O),



Five Days Short Term Course (Hybrid mode) On Flood Estimation and Hydraulic Structures-New Approach for Risk Reduction (FEHS -2024)

April 29 - May 03, 2024
(Monday to Friday, 9.30 am to 05 pm)

Department of Civil Engineering
MNNIT Allahabad

REGISTRATION FORM

NAME (BLOCK LETTERS): _____

Gender: M / F

DESIGNATION: _____

INSTITUTION / ORGANIZATION: _____

MAILING ADDRESS: _____

TELEPHONE: _____

MOBILE: _____

FAX: _____

EMAIL: _____

Highest Qualification Experience : _____ Yrs.

Date:

Signature of Applicant

Recommendation

Signature of Head of the
Institution/Department/Organization with date

Get yourself registered at following to complete your registration process:

<https://forms.gle/C2MrE1CWEGM7KiTC9>