

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 Environmental Geotechnology 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

The National Institute of Disaster Management (NIDM) has performed a crucial role in bringing disaster risk reduction to the forefront of the national agenda. 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.

IMPORTANT DATES

Last date for receiving applications: **Nov 9, 2022**
Notification of acceptance: **Nov 9, 2022**

ORGANIZING COMMITTEE:

- Patron**
- Shri. Taj Hassan, I.P.S. Executive Director, NIDM, New Delhi
 - Prof. Rama Shanker Verma, Director, MNNIT, Allahabad
- Chairman**
- Prof P K Mehta, HOD, Department of Civil Eng. MNNIT Allahabad
- Coordinators**
- Prof. Chandan Ghosh, Head (Resilient Infrastructure), NIDM, New Delhi
 - Dr H K Pandey, Associate Professor, Civil Eng. MNNIT Allahabad.
 - Prof R P Singh, Professor, Civil Eng. MNNIT Allahabad.
 - Dr Sudhir Kumar Singh, Assistant Professor, K. Banerjee Centre of Atmospheric & Ocean Studies, IIDS, Nehru Science Centre, University of Allahabad.
- Student Coordinators:**
- Mr Vishal Kumar Singh, Research Scholar, Civil Eng. MNNIT Allahabad
 - Mr Swapnil Kumar Sharma, Research Scholar, Civil Eng. MNNIT Allahabad

FOR ALL CORRESPONDENCE/CONTACT:

Dr. H.K. Pandey, Course Coordinator

Department of Civil Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj, Uttar Pradesh – 211004,
Phone: +91-532- 2271318 (O),
Mobile : +91-9415630591, Fax :+91-532-2271300, E-mail: hkp@mnnit.ac.in

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

Three Days NIDM Training-cum-Workshop Programme

On

Satellite Earth Observation and Artificial Intelligence Role in Development of Disaster Resilient Infrastructure (EOAIDRI-2022)

November 11-13, 2022



सत्यमेव जयते



Jointly Organized
By

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

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

GENERAL

Sustainable infrastructure is one of the key paths, from research, policies, actions to impacts, for achieving the Sustainable Development Goals (SDGs) of United Nations. The space, satellite, drones, unmanned aerial vehicles (UAVs), Unmanned Aerial Systems (UAS) Artificial Intelligence (AI), Internet of Things technologies have radically transformed the humanity's ability to observe the processes and model the Earth's systems for development of improved decision support system. The earth observation (EO) and AI can play instrumental roles to respond to emergencies and build a resilience towards disasters, global warming, climate variability, extreme events and climate shocks. In emergency response scenarios, the EO and AI can provide a better solution for delivering the goods and services to the humans and wildlife without too much disruptions. The resilience that incorporates four components namely robustness, resourcefulness, recovery and redundancy, this development of disaster resilient infrastructure can be achieved through the development and advancement of these technologies.

COURSE OBJECTIVE

Proposed training-cum-workshop aims to bring together researchers from various institutes to exchange and share their recent research finding focusing on advances satellite earth observation and artificial intelligence role in development of disaster resilient infrastructures.

COURSE CONTENTS

Constructions, Retrofitting, Building health assessment, Rapid visual screening, Smart devices for Disaster response, Drone applications during post-Disaster site assessment, Earth Observing Systems for sustainable infrastructure (EOSI) and AI role in resilient infrastructure, Adaptation, Mitigation and Resilience Mechanism.

TARGET AUDIENCE

Faculty, Officers, Engineers, Scientists and students working for Landslides, water supply and 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, Teliernanj, Prayagraj, Uttar Pradesh- 211004

NOTE

- Course fees are exempted for participants.
- Available seats will be filled on first cum first basis.
- 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.

VIP NOTE:

All the participants are supposed to register online on both NIDM and MNNIT registration portal. In case, if you have registered on only one of the portal then your registration will be treated as incomplete and your candidature may be rejected.

ROUTE MAP OF MNNIT ALLAHABAD

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



THREE Days NIDM Training-cum-Workshop programme On Satellite Earth Observation and Artificial Intelligence Role in Development of Disaster Resilient Infrastructure (EOAIDRI - 2022)

November: 11 -13, 2022

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:

1. <https://training.nidm.gov.in/> and
2. <https://tinyurl.com/mnnitced>