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. **Mahakumbh-2025** in Prayagraj may be visited by participants.

MNNIT ALLAHABAD, PRAYAGRAJ

Motilal Nehru National Institute of Technology Allahabad, Prayagraj is an Institute with total commitment to quality and excellence in academic pursuits. It was established in the year 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 National Institute of Technology fully funded by 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 with 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 course for in-service engineers in above mentioned specialization. The Department is also a recognized QIP (Quality Improvement Program) Centre for post graduate studies. Department also offers PhD Programme in above specialization. The course curriculum is up-to-date which cover both traditional and recent developments. It also provides research and consultancy services to government/non-government organizations.

REGISTRATION FEE

Registration fee shall be **Rs 2000/-** for the participants from the industry, **Rs 1500/-** for participants from govt organization, **Rs 1000/-** for the participants from academic/research institutions and **Rs500/-** for research scholars/students.

PAYMENT

The registration fee should be submitted through e-transfer/cheque/DD drawn in favour of **"Indian Geotechnical Society Allahabad Chapter," Account No. 77660100011391, IFSC: BARB0VJMNRE (fifth character is zero), Bank: Bank of Baroda, Branch: MNNIT Campus, Teliarganj, Prayagraj** latest by **10th February 2025** with filled registration form to Coordinator.

IMPORTANT DATES

Last date for receiving applications: **10th Feb'2025**
Notification of acceptance: **12th Feb' 2025**

Organizing Committee:

Patron — Prof. R. S. Verma, Director, MNNIT

Chairman — Prof. R.M. Singh, Professor & Head , CED

Convener — Prof. Kumar Venkatesh, Professor, CED

Coordinator — Dr. V.P. Singh, Dr. Vijay Kumar, Dr. Mantu Majumder

Advisory Committee:

Prof. R.P. Tiwari
Prof. A.K. Sachan
Prof. A.K. Singh
Prof. R.D. Gupta
Prof. R.C. Vaishya
Prof. P.K. Mehta
Prof. R.P. Singh
Prof. L.K. Mishra
Prof. H.K. Pandey
Prof. N.R. Rawal
Prof. Ramashankar

For all Correspondence/Contact:

Dr. V.P. Singh/Dr. Vijay Kumar/Dr. Mantu Majumder
Coordinator (GEOSMART-2025)
Department of Civil Engineering
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For details visit http://www.mnnit.ac.in

Self financed one Week

Workshop
on

Role of Geotechnical Engineering in Developing Smart Cities and Sustainable Infrastructure

GEOSMART-2025

(Hybrid Mode)

February 14-18, 2025

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

Indian Geotechnical Society
Allahabad Chapter, Prayagraj

GENERAL

Role of Geotechnical Engineering is increasing day by day for urban planning and development activities around the world, particularly in India. Geotechnical engineers/academician/researchers/ scientists play a crucial role in the design decisions of the structures constructed offshore and onshore. Smart Cities and sustainable infrastructure being the indispensable components, provides valuable inputs for the development of nation and assists the developers and planners for selecting a right kind of infra system for construction. This workshop is going to address the various aspects related to site geotechnical engineering for smart cities and sustainable infrastructure development.

WORKSHOP OBJECTIVE

Geotechnical engineering can significantly influence the sustainability of infrastructure development because of its early position in the construction process. The role of geotechnical engineering towards smart cities and sustainable development of civil infrastructure is need of the hour.

WORKSHOP HIGHLIGHTS

Geotechnical engineering is a key part of building smart cities that are sustainable, resilient, and efficient. Geotechnical engineering helps to predict environmental and spatial variables, which is important for planning, managing resources, and addressing environmental challenges.

Geotechnical engineering helps to predict environmental variables like bearing layer depth, and geo-environmental aspects. This information is used to plan future development and manage environmental challenges. Geotechnical engineering is used to design geotechnical structures like earth dams, underground structures, foundation system, embankments, road/rail infrastructure etc. Geotechnical engineering can help to build sustainable infrastructure, such as green spaces and permeable pavements. Geotechnical engineering can help to predict and mitigate risks like natural disasters and structural failures. Geotechnical engineering is integrated with smart city technologies like sensors, data analytics, and the Internet of Things (IoT). Geotechnical engineering is used in urban planning to create more efficient, sustainable, and resilient urban environments. So its role is not limited to above details.

WHO WILL BE BENEFITTED

Faculty, Officers, Engineers and Scientists working in geotechnical/geo-environmental/ transportation engineering related areas like Research Organizations, Roads & Buildings Department, Consulting companies, NGOs, and self-employed practitioners engaged in the planning, analysis, design, construction, operation, maintenance and management of geotechnical activities would benefit from the proposed program. As participants are expected from all over India, this workshop would provide an excellent opportunity for the participants to interact with one another and discuss problems and solutions of mutual interest. At the end of the workshop the participants may be in a position to identify and select appropriate role in Developing Smart Cities and Sustainable Infrastructure.

SPEAKERS

The speaker constitutes faculty members/experts from IIT's/ MNNIT/ Other NIT's/ Reputed Institute/ Geotechnical Consultant in relevant area.

VENUE

Workshop will be held at the Conference Room of Department of Civil Engineering, MNNIT Allahabad. The workshop will be inaugurated at 10:30 A.M. on 14th February 2025.

ACCOMMODATION

Accommodation in the Hostel Rooms/EDC will be provided on payment basis subject to availability.

NOTE

- Registration form i.e. Google form may also be used by applicant.
- Incomplete registration without payment shall be rejected.
- Registration fee is non refundable.
- No TA/DA, Breakfast/Lunch/Dinner will be provided for attending the Workshop.
- Organisers have all the rights to cancel the workshop under unavoidable circumstances which will be communicated to all the participants by email.

Self Financed Workshop on

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(Hybrid Mode)

February 14-18, 2025

Department of Civil Engineering
MNNIT Allahabad
&
IGS Allahabad Chapter, Prayagraj

REGISTRATION FORM

NAME (BLOCK LETTERS) :_____

GENDER: _____

DESIGNATION/PROFESSION_____

INSTITUTION / ORGANIZATION: _____
_____

COOMUNICATION ADDRESS: _____
_____

MOBILE: _____

EMAIL : _____

PAYMENT DETAILS: Amount in Rs.....

Transaction no..... & Date.....

Date: Signature of Applicant

Link/QR Code for Online Registration Form
https://forms.gle/NAu4WcRekLYzMb5F7