About MANIT Bhopal

Maulana Azad National Institute of Technology (MANIT) Bhopal, formerly known as Maulana Azad College of Technology (MACT) Bhopal was established in the year 1960 and subsequently upgraded to National Institute of Technology (NIT) in 2002. The centre offers M.Tech. in Water Resources Engineering and Ph.D. in allied areas. The institute is located in the heart of Bhopal City (the capital of Madhya Pradesh). Bhopal is well known worldwide as the city of lakes. It is well connected to various parts of the country by road, rail and air. The Institute is located at a distance of about 8 km from Bhopal railway station and 20 km from Raja Bhoj Airport.

About Centre

The Centre of Excellence in Water Management opened recently and offers an M.Tech. and a Ph.D. program. The Centre has 3 core faculty and 7 associated faculty from the Civil engineering department who are highly qualified and dedicated and strive to produce competent professionals who are abreast with the latest technology and equipped with enterprising skills necessary for a designer and a site engineer.

Area of Focus

- Extreme events
- Climate change and Water Resources
- Agricultural and Ecosystem Resilience
- Groundwater Modelling
- Groundwater Contamination
- Simulation – Optimization and Inverse Modelling
- Hydraulics of Diversion Structures
- CFD-based Numerical Modelling
- Modeling of Flow and Turbulence Characteristics
- Hands-on Projects, Software Training, and Group Exercises.

Open for Registration!

April 21st 2024 to May 31st 2024

Who Can Attend?

The main target group for this program are:

- Professionals and officials from government departments, research organizations in environment, forests, water, PWD, power, irrigation, rural, agriculture, climate, etc.
- Faculty members, research scholars, scientists from universities/colleges, etc., and representatives from NGOs.
- National, state, and local level disaster management professionals, including private sectors.

How to Apply?

Interested candidates can apply through the link below

Click Here to Register

- Research Scholars/ Students - ₹ 1000
- Faculty/ Academicians/ Scientists - ₹ 1500
- Foreign Deligates - $ 100

Course Coordinators

Dr. Muhammed Hashid

Dr. Vikas Poonia

Dr. BG Rajeev Gandhi

Centre of Excellence in Water Management, MANIT, Bhopal, M.P., India – 462003

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One Week Short Term Training Program on

Hydro-Climatic Extremes, Hydraulics, and Groundwater Modelling

June 10th, 2024 to June 14th, 2024

Organized by

Centre of Excellence in Water Management

Maulana Azad National Institute of Technology Bhopal (MANIT Bhopal)

www.manit.ac.in

About the Program

Climate change is one of the biggest environmental threats faced by the world which can potentially impact food production and security, sustained water supply, biodiversity of forests and other natural ecosystems, human health and settlements. Disaster due to extreme climatic events have been reported across the globe causing huge loss of property and lives. It is expected that these losses and casualties may multiply in future. It is crucial that we understand the occurrence, distribution and mechanism of extreme events and their role in augmenting disaster risk should be understood. Hydraulic engineers must be prepared to solve increasingly complex problems pertaining to the life and rehabilitation of dams and reservoirs; the maintenance upgrading, and improvement of transportation systems, particularly waterways and bridges; flood control; and water supply and water quality. Moreover, the major water resource such as groundwater is at a threat with rapid urbanization facing complications with overexploitation and risk of contamination. Therefore, better research and education is needed, particularly related to the physical responses of systems, as well as the assessment of multidisciplinary impacts with proper judgement on the utility of mathematical models. The practicing experts in these fields should be prepared for the possible hydroclimatic extremes.

Objectives of the Program:

- Comprehend recent research findings on extreme events such as droughts, floods, etc.
- Understand the global risks and challenges due climate change induced disasters.
- Groundwater flow and transport modeling with the incorporation of the climate change scenarios.
- Addressal of identification of sources of contamination using simulation-optimization models.
- Advancement in experimental and computational hydraulics with applications of high-end instrumentation.
- Sustainable river training and coastal engineering techniques for the inevitable extreme events.

Tentative Resource Persons

1. Prof. T. I. Eldho, IIT Bombay
2. Prof. Rajib K. Bhattacharjya, IIT Guwahati
3. Prof. Zulfequar Ahmad, IIT Roorkee
4. Prof. Manish Kumar Goyal, IIT Indore
5. Prof. Manish Pandey, IIT Kharagpur
6. Dr. Somil Swarnkar, IISER Bhopal
7. Dr. T. Thomas, NIH Bhopal
8. Prof. Vishnu Prasad, MANIT Bhopal
9. Dr. Muhammed Hashid, MANIT Bhopal
10. Dr. Vikas Poonia, MANIT Bhopal
11. Dr. B.G. Rajeev Gandhi, MANIT Bhopal

Details for Payment

Account Name: Director, MANIT, Bhopal
Account No.: 10020150107
IFSC Code: SBIN0001608
MICR Code: 462002014

Interested candidates can pay through online or a demand draft. A copy of the payment receipt with DD No. or Transaction No. needs to be uploaded at the time of registration.

Any Queries? Contact Us @

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Organizing Committee

PATRON

Prof. K.K. Shukla
Director, MANIT Bhopal

CONVENER

Prof. Vishnu Prasad
Head of the Centre
Centre of Excellence in Water Management

COURSE COORDINATORS

Dr. Muhammed Hashid
Dr. Vikas Poonia
Dr. B.G. Rajeev Gandhi