



ABOUT NIT JAMSHEDPUR

National Institute of Technology Jamshedpur is an Institution of National Importance, by an Act of Parliament (Act 29 of 2007) namely, the National Institutes of Technology Act, 2007, which received the assent of the President of India on the 5th June, 2007. This was formerly known as Regional Institute of Technology (RIT) Jamshedpur and was established on 15th August 1960 with the aim of nurturing young engineers for economic growth of the Nation. NIT Jamshedpur is situated in the western part of the city Jamshedpur. The flowing river Kharkai and picturesque backdrop of low hills on one side, and large tracts of forest on the other side, make the 341 acres of rolling campus an ideal place for higher learning and research. NIT Jamshedpur has well qualified faculty and dedicated supporting staff.

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Workshop on

Urban Water Modelling using MIKE+ Software

(in Hybrid Mode)

31 August-4 September 2024

Jointly organized by



Department of Civil Engineering,
National Institute of Technology
Jamshedpur, Jharkhand-831014, India



DHI (India) Water & Environment
Private Limited
Unit No. 815, Eight Floor, DLF Prime
Tower, Plot No. F-79-80, Okhla Phase-I
New Delhi, India-110020

Workshop Overview

The workshop gives an overview of the capabilities of MIKE+ 2D Overland Flow, MIKE+ Urban. MIKE+ 2D Overland Flow - Predict the impact of flood events, identify risks and evaluate mitigation measures for climate adaptation and emergency response plans. MIKE+ Urban - Model and analyse the hydrology and hydraulics of your stormwater and wastewater collection systems. Design real-time controls and assess resilient solutions.

Topics to be covered

- MIKE+ Urban
 - Basic concepts
 - Model manager Interface
 - GIS functionalities: Selection, layers, symbology, labelling, etc
- MIKE+ Urban Model Preparation
 - Model data requirements and model building principles.
 - Surface runoff methods
- MIKE+ Urban (Hands on)
 - Building MIKE+ 1D Urban Model
 - Result and Interpretation
- MIKE+ 2D Overland
 - Introduction to MIKE+ 2D Overland (Rivers and Urban Concepts)
 - The MIKE+ Graphical User Interface

- Coupling of 1D – 2D Models with MIKE+ (concepts)
- MIKE+ Urban Model (Recap) (Hands-on)
 - Recap of MIKE + 1D urban Model
 - Importing MIKE+ Urban Model and Discussion
- 1D-2D Model Building (Hands on)
 - Coupling 1D-2D with MIKE+ 2D Overland
 - 1D-2D linkage options; stability issues
 - Simulations
- Model Interpretation (Hands on)
 - Result Viewing and discussion
 - Tips and troubleshooting with model coupling

Resource persons

- Eminent speakers from NIT, IIT and research organizations
- Technical Experts, Trainers of DHI

Eligibility: Faculty, Research Scholars, Postgraduate students, Design Engineers, Industrialists, R&D personnel, and practitioners working in water resources and related fields.

Accommodation and foods are available in Hostels on payment basis.

Course Fee: Rs. 600/- (Six Hundred Only)

The course fee is to be paid to the Institute account by online transaction.

Bank details:

Account Name: Research & Consultancy
NIT Jamshedpur

Account No. 00000038246478714

IFSC: SBIN0001882

Branch: State Bank of India, NIT Campus,
Adityapur

Course Registration

Click on the link below for online registration:

<https://forms.gle/J2RjccctCEgTDPvPA>

Registration Includes

- Certificates after completion of workshop
- Hands on Material (Softcopy)
- MIKE+ software license for 15 days

Important Dates

Last Date for Registration: **August 25, 2024**

Acceptance notification: **August 28, 2024**

Any queries

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