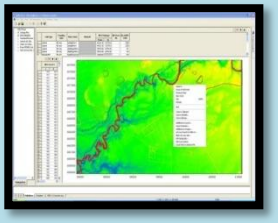
APPLIED TRAINING PROGRAM ON

MIKE-FLOOD and MIKE-BASIN

(21st -24th January 2014)



Organized by:

Department of Civil Engineering
National Institute of Technology
Rourkela, Odisha, INDIA
Pin-769008

BACKGROUND

This is a four-day, hands-on course aims to teach you river flood modelling by integrating the 1D river model (MIKE 11) and 2D overland flow model (MIKE 21). In MIKE-FLOOD, the emphasis is on establishing a 2D overland flow model followed by coupling the 1D and 2D model component to simulate the fully integrated flow dynamics between main rivers and surrounding flood plain areas. River and coastal flooding often occurs as results of river overflow, high rainfall intensity in the catchment area, dam/dike breach, ocean storm surge or as a combination of these phenomena. The risks of flooding are amplified by the expected effects of climate change. MIKE Basin would cover the hydrological modeling at basin scale

COURSE CONTENT

- Introduction to 2D overland flow modelling with **MIKE 21**.
- Building bathymetries
- Preparing **MIKE 11** model for coupling with **MIKE 21**
- **MIKE FLOOD** graphical editor
- Coupling of 1D & 2D Models
- 1D-2D linkage Options
- Stability issues
- Tips & trouble shooting with Model coupling
- Results viewing & presentation
- Introduction to **MIKE Basin**
- Application at basin Scale
- Hands-on exercises

TARGET GROUP &PREREQUISITES

- Professionals involved in Flood Management, flood risk assessment & basin management using hydrological models.
- The participants must be acquainted with Hydrological Models & Analysis
- Participants should work on their own data bases preferably.

PATRON:

Prof (Dr.) Sunil Kumar Sarangi

CHAIRMAN:

Prof (Dr.) N. Roy

COORDINATORS:

Prof (Dr.)Ramakar Jha
Prof (Dr.)K. C. Patra
Prof (Dr.)A.Kumar
Prof (Dr.)K.K.Khatua

REGISTRATION FEES

Standard price:

Faculty/ Officer/Scientist -- **INR12,000**
student --**INR 6,000**

Demand Draft in favour of
"**Director NIT Rourkela**"

Discounts: (Before 5th January 2013)

Faculty/ Officer/Scientist --**INR10,000**
Student --**INR 5,000**

THIS IS INCLUDED

- Training material
- Latest MIKE by DHI Demo version
- Refreshments, Lunch & Dinner
- Stay in Guest House (AC-Room with twin sharing basis)
- Training Certificate

REGISTRATION FORM

Name (in capitals) :
_____

Designation :
_____

Organization /Institution:
_____

Full Postal Address : _____
_____
_____

Phone, Fax & Mobile No.: _____
_____

E-mail : _____

Accommodation Required: Yes / No

Registration fee Paid in the form of Demand Draft in favor of **Director NIT Rourkela**.
Name of the bank_____Amount:Rs_____
(In words)_____
DD No._____Date_____

Signature of the Participant
_____

SPONSORING AUTHORITY
Full Postal Address, Signature and Seal

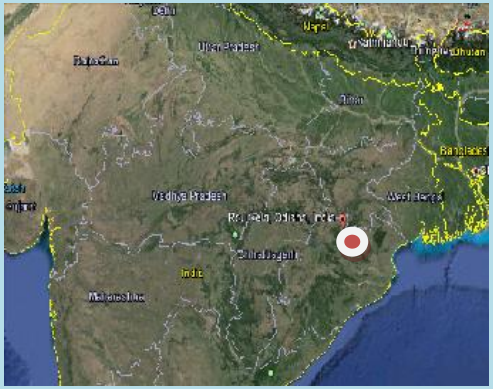
_____

LOCATION AND VENUE :

Department of Civil Engineering
National Institute of Technology
Rourkela-769008, Odisha,
INDIA

NIT ROURKELA

The National Institute of Technology Rourkela (NITR) is an Institute of National importance under the Ministry of Human Resource Development, Government of India. The climate of Rourkela during January is very pleasant with the temperature variation between 7 to 17°C. The town is well connected by Train/Bus route. Nearest airports are Bhubaneswar, Ranchi, and Howrah.



Contact:
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