

A Short Term Course on

FLOW MEASUREMENTS AND MODELING IN WATER RESOURCES ENGINEERING

(23rd September -28th September 2014)



Coordinators

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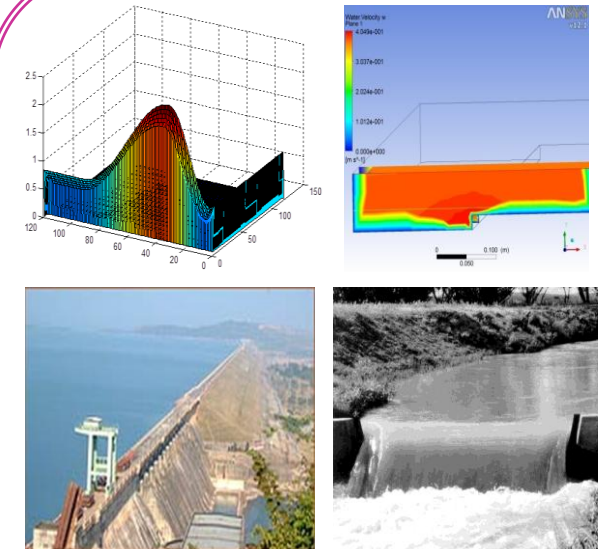
COURSE OBJECTIVE:

The main objective of the proposed short term course is to make participants aware of the basics of the advanced technologies in flow measurements and modeling and the emerging software applications in water resources management. After the course, participants may get an overview of most of the advanced knowledge in software and flow instrumentation in water resources engineering and may be able to identify and adapt appropriate strategies.

COURSE CONTENTS:

The board outline of the course is

Flow modeling using Software's like MIKE-Flood, MIKE -II , CCHE2D and CCHE3D (Mobile bed and other flow modeling), CES (Conveyance Estimating System), HEC-RAS, FLUENT-ANSYS, Artificial Neural Networks, ANFIS and MATLAB Applications in (a) Surface water hydrology (b) Open Chanel hydraulics (c) Hydraulic structures (d) Ground water hydrology (e) Watershed management (f) Reservoir operation. Computational Fluid Dynamics and Numerical methods in Water Resources Engineering. Hydro informatics, Reservoir Sedimentation, Climate Change. Flow measurement techniques and flow modeling in water resources engineering



INTENDED AUDIENCE:

Engineers, Faculties and Scientists working in Water Resources Engineering areas, Officers from Research Organizations, Irrigation Engineering Departments, Consulting Companies, NGO's, as well as self-employed practitioners engaged in the analysis, design, planning, construction, operation, maintenance and management of water resources and environment would benefit from the proposed program. As participants are expected from all over India, this course would provide an excellent opportunity for the participants to interact with one another, learn the latest development in flow measurements and the computer application techniques in water resources engineering 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 strategies for their local conditions and implement measures in various water resources management aspects.

ABOUT NIT ROURKELA:

National Institute of Technology (NIT), Rourkela was founded as Regional Engineering College, Rourkela in 1961. It is a prestigious Institute with a reputation for excellence at both undergraduate and postgraduate levels, fostering the spirit of national integration among the students, a close interaction with industry and a strong emphasis on research, both basic and applied.

The city of Rourkela is a bustling industrial town, cosmopolitan by nature and is well connected to all parts of the country by road and rail. It is en-route Howrah-Mumbai main line of South-Eastern Railway. Nesting amidst greenery on all sides, NIT campus is approximately 7km from Rourkela railway station. The nearest airports are Ranchi, Kolkata and Bhubaneswar, which are well connected by trains.

REGISTRATION FEE:

Engineers/Scientists/ Faculty/officers	Rs. 10,000/-
Post graduate/ research students	Rs. 05,000/-

MODE OF PAYMENT:

Payment should be done in DD in favor of "Continuing Education, NIT Rourkela" payable at SBI, NIT Campus Branch. (Code: 2109).

ACCOMMODATION:

Accommodation will be provided in the south block and North block guest houses of NIT, Rourkela as per availability. The room rent will be charged as per actual.

IMPORTANT DATES:

Last date of receipt: 12/08/2014
(Completed application form with Demand Draft)
Selection letters to be mailed: 15/08/2014
Course Commences on: 23/09/2014

CONTACTS:

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NOTE : Please mention on the envelope

"APPLICATION FOR TRAINING PROGRAM on "FLOW MEASUREMENTS AND MODELLING IN WATER RESOURCES ENGINEERING"

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Registration Form

1. Name : _____
2. Sex (M/F): _____
3. Category: Research Scientists / Faculty /Field
Engineers/ Industry
4. College / Organization name: _____

5. Qualification: _____
6. Address for Correspondence:

Phone/Mobile:

Email:

7. Accommodation Required: Yes/No

8. Bank Draft Details:

Amount _____ Draft No: _____

Drawn on _____

Date:

Place:

Signature of Participant

Forwarding remark (if required) of the Head of the
Department / Institute/Signature (with seal)