

One-week Short Term Training Programme

on

Hydraulic and Hydrologic Modelling: Concepts and Applications

September 30, 2019 –October 4, 2019

under

Technical Education Quality Improvement Programme (TEQIP-III)

Coordinators

Dr. P V Timbadiya

Dr. P L Patel

Call for participation



Organized by

Centre of Excellence on “Water Resources and Flood Management”

Civil Engineering Department

Sardar Vallabhbhai National Institute of Technology,
Surat, Gujarat-395007.

About the Institute

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and was upgraded as National Institute of Technology in 2002. SVNIT, at present, is one of the prestigious engineering institutions of the country, and has contributed many outstanding engineers in India and abroad. At present the Institute runs six undergraduate and eighteen postgraduate programme, and Ph.D. programme in all disciplines of Engineering and Applied Sciences. Special attention is being given in building interdisciplinary research. The institute has an excellent placement record with a number of top-ranking companies visiting the campus every year.

About the Department

The Department of Civil Engineering came into existence in the year 1961. The department has 27 faculty members with specialization in various areas. The department has been running one UG programme, four PG programme (Water Resources Engineering, Environmental Engineering, Planning, and Transportation Engineering & Planning) and the research programme leading to Ph.D. degree in different areas of specialization.

About the Centre of Excellence on Water Resources and Flood Management

The Centre of Excellence on ‘Water Resources and Flood Management’ is one of the CoEs established by World Bank funded TEQIP-II project in the country, and monitored by NPIU (National Project Implementation Unit), MHRD, Govt. of India. The CoE is committed in development of computational and experimental facilities and trained manpower in

dealing with water resources and flood issues in the country.

About Surat

Surat is an important industrial city of the country with clean and decent roads. It is well known worldwide for its textile and diamond industries. Several large-scale industries and establishments are located in the city. The Surat is situated on the main western railway route between Vadodara and Mumbai. The institute is located at Ichchhanath on Surat-Dumas road at a distance of about 10 km from the Surat railway station.

Course Objective

Concepts of hydrologic and hydraulic modeling are important in management of water resources. The main objective of proposed short term training programme is to make participants aware of the basics of the hydrologic and hydraulic modeling, recent advancements in the field and its applications in the water resources management. After attending the course, the participants may be able to take up the research in the area of hydrological and hydraulic modeling and projects in the area of water resource management; and may be able to adapt appropriate strategies for local conditions.



Course Contents

The board outline of the course is as follows:

- **Basic concepts in surface water Hydrology**
- **Rainfall-run off modeling of catchment**
- **Hydrological routing and Hydraulic routing**
- **Softwares for Hydrologic and Hydraulic modeling**
- **Hydrologic design**
- **Water Distribution Network Design and analysis**

Eligibility for Participation

The training programme is open to engineering college teachers (both degree and polytechnic colleges) and persons from Industry. As the training programme is interdisciplinary in nature, persons with background in Civil Engineering, Agriculture Engineering and Water Resource Management can attend the programme.

Registration Fee

The registration fees for the program shall be Rs. 1000/- for faculty from academic institutions, Rs. 500/- for research scholars and Rs. 2500/- for persons from the Industry. Working Lunch will be provided to the selected participants. Boarding will be provided on payment basis in SVNIT Guest House (Narmad Bhavan). The participants have to bear their own travelling expenses. The registration fee should be sent in the form of a DD in favor of "Director SVNIT, TEQIP IRG" payable at Surat. In case, if a candidate is not selected for the training program, the DD will be returned at the address provided in the registration form. The number of participants for the programme is limited to 30.

Programme Faculty

The resource persons for the programme shall include faculty members of SVNIT-Surat, and experts from industries. The free registration is provisioned for the Institute faculty members.

Important Dates

The completed registration form may be sent either as an e-mail attachment to pvtimbadiya@ced.svnit.ac.in or as a hard copy on or before September 20, 2019. The registration form should contain the signature of the Head of the Institution with seal. The list of selected applicants will be displayed on the institute website by September 22, 2019.

Contacts

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Name: _____
Gender (M/F): _____
Category: (Faculty/Field Engineers/Research Scholar)

College: _____

Qualification: _____

Experience: _____

Address for correspondence: _____

Phone/Mobile: _____

Email: _____

Accommodation required: Yes/No

Bank draft details:

Amount: _____ Draft No: _____

Drawn On _____

Date: _____

Place: _____

Signature of Participant

Signature of Head of the institution with Seal