

AS A PART OF DIAMOND JUBILEE CELEBRATION OF SVNIT



TEQIP III SPONSORED

SHORT TERM TRAINING PROGRAMME (ONLINE MODE)

On

FLOOD RISK MANAGEMENT



1st to 6th March, 2021

Coordinator

Dr. S. M. Yadav

Professor

Water Resource Engineering Section

Civil Engineering Department

Organized by



Department of Civil Engineering
Sardar Vallabhbhai National Institute of Technology
Ichchhanath, Surat-395007, Gujarat, India

About Surat:

Surat is a top-ranking industrial city in the country with clean and wide roads. It is well known worldwide for its textile and diamond industries. Several large-scale industries and establishments are located in the city. 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 9 km from Surat railway station. Being a coastal city and on the bank of Tapi River, the weather is pleasant around the year.

About the Institute:

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and was upgraded as a National Institute of Technology on 4th October 2002. Sardar Vallabhbhai National Institute of Technology (SVNIT) is one of the pioneering engineering institutions of the country which has contributed many outstanding engineers in India and abroad. At present the institute runs six UG programs, nineteen PG programs, three five years integrated M.Sc. programs and PhD programs in all disciplines of Engineering and Applied sciences. Special attention is also given to interdisciplinary research. The institute has an excellent placement record and growing by high pace in terms of research as well as consultancy works.

About the Department:

The Department of Civil Engineering is one of the pioneering departments of the Institute. The department has highly qualified faculty members engaged in teaching, research and development activities with the aim of achieving excellence in their fields. Department offers Post Graduate and Doctoral Programs in the following areas:

1. Water Resources Engineering
2. Environmental Engineering
3. Transportation Engineering and Planning
4. Urban Planning
5. Construction Technology and Management
6. Structural Engineering
7. Soil Mechanics and Foundation Engineering

The major strength of the department is due to its multidisciplinary activities like Research & Development, Design and Planning, Consultancy and Testing etc.

Objective of the Programme:

The course introduces the participants to the flood risks and about the consequences if flood occurs. The objective of this course is to understand, conceptualize and apply the main principles of flood risk management, to understand supporting tools and techniques for flood risk management.

The course intends to cover the main principles of flood forecasting, warning and uncertainty issues associated with flood forecasts. Hands-on practice will be imparted during the workshop to build a hydraulic model to identify flood risk susceptible River reach and flood prone areas. The course also intends to discuss flood management case studies.

The course is designed for postgraduate students, research scholars, academicians and industrialists. The horizon of this course extends from basic concepts of flood risk management to the supporting tools and techniques available for managing flood risk.

Course Content:

The course intends to cover the following topics;

- Introduction to flood risk management
- Different models of flood risk management
- Pre flood measures: Flood forecasting, early warning system and flood risk maps
- Post-flood measures: flood recovery
- Flood mitigation measures to reduce flood risk
- Case studies
- Hands-on Session- Hydraulic modelling

Resource Persons:

Resource persons may be invited to share their respective expertise in flood risk management and modelling from premier institutes, organizations like IIT, NIT, CWC, CWPRS, Govt. Departments and renowned agencies working in the area of flood management.

Eligibility for Participants:

Faculty of AICTE approved Engineering Colleges / Institutes/ Polytechnic, Government Engineers, Field Engineers, consultants, research scholars, M. Tech/ ME students are eligible to participate in this program. It is expected that participants carry the laptop.

Program Schedule:

The program will be conducted in *online mode* during 1st-6th March 2021 through google meet platform and link will be shared to the selected registered candidates on or before the date of STTP on their registered mail id. The training programme is designed for minimum 30 hours.

Registration Fees:

The registration fees for the program shall be

Rs. 1000/- for industry/self-sponsored participants

Rs. 500/- for academicians

Rs. 300/- for students and research scholars

The details for the payment of registration fees be shared upon receipt of the registration form

Last Date of Registration:

The scanned copy of the completed registration form should be sent as an email attachment to frm@ced.svnit.ac.in and also upload on given registration link by date 26th February 2021.

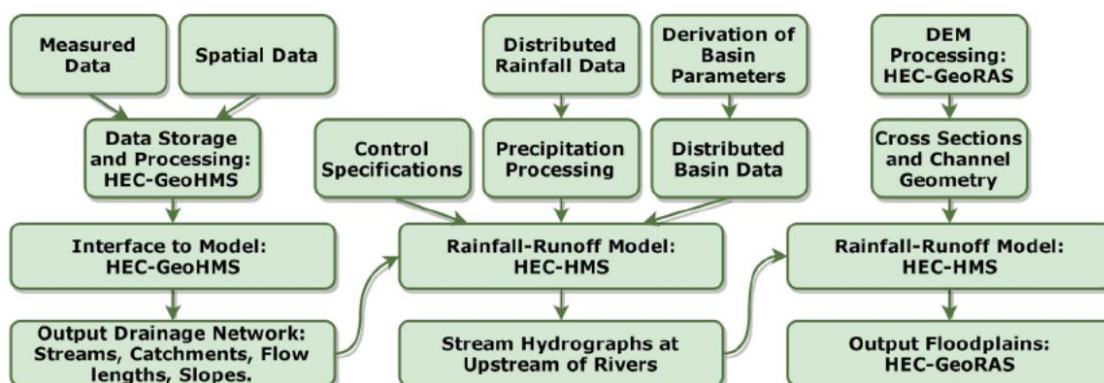
Online Registration Link:

<https://forms.gle/7Jy7YMtLdAWCSjB8A>

Research scholar/Student coordinator:

Maroof Shaikh: shaikhmaroof034@gmail.com (M) 076001 42847

Urvashi Malani: malani.urvashi123@gmail.com



The flowchart of a distributed hydrologic and hydraulic modelling system for flood risk assessment (Knebl, Yang, Hutchison, & Maidment, 2005)

REGISTRATION FORM

**TEQIP III SPONSORED SHORT TERM TRAINING PROGRAM
on
FLOOD RISK MANAGEMENT**

Organized by Civil Engineering Department, SVNIT, Surat-395007

Full Name (*Capital letters):

Designation:

Institution:

Highest Qualification:

Experience: Teaching:

Industry:

Address for Correspondence:

Phone No (M):

Email ID:

Signature of Applicant:

**Signature & Stamp of Head of Dept. / Institute
(With date and seal)**

Address for Correspondence

Dr. S. M. Yadav

Professor, Department of Civil Engineering,

Sardar Vallabhbhai National Institute of Technology, Ichchhanath, Surat-395007

Gujarat, India Phone: (M) +91-94261 52906

Email ID: frm@ced.svnit.ac.in