TEQIP 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 wide roads. It is well known worldwide for textiles, Zari 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 the Tapi River, the weather is good 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. It is conducting six UG programs, seventeen PG programs, five years integrated M.Sc. programs and PhD program in all disciplines of engineering and applied sciences. Special attention is also given to interdisciplinary researchers. The institute has an excellent placement record and growing by high pace in research as well as consultancy.

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 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

The major strength of the department is due to its multidisciplinary activities like R&D, Consultancy, and Testing etc.

Objective of the Programme:

The course introduces the participants to the flood risks and about the consequences if flood occurred. 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 managent.

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 managent case studies.

The course is designed for postgraduate students, research scholars, academician 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 Reynold agencies working in the area of flood risk management.

Eligibility for Participants:

Faculty of AICTE approved Engineering College / Institute/, 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 candidate on or before the date of STTP. The training programme is designed for minimum 30 hours.

Registration Fees:

Registration Fees for industry/self-sponsored participants is Rs. ***1000/-***

Registration Fees for faculties is Rs. ***500/-***

Registration Fees for students and research scholars is Rs. ***300/-***

The details for the payment of registration fees be shared upon receipt of registration form and after checking eligibility of participant.

Last Date of Registration:

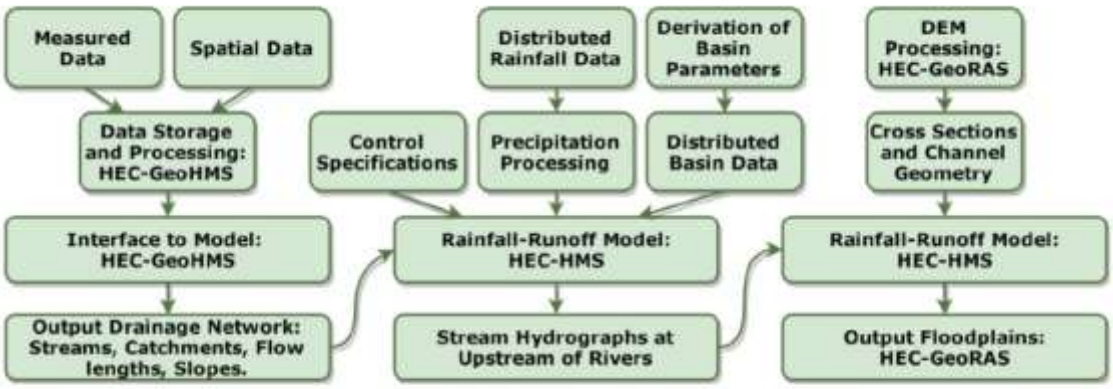
The scanned copy of the completed registration form should be sent as an email attachment to frm@ced.svnit.ac.in and also upload on given registration link by date 26th February 2021.

Online Registration Link:

https://forms.gle/7Jy7YMtLdAWCSjB8A

Research scholar/Students 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 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,

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