

## **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

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

## **ABOUT SURAT CITY**

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 coastal city and on the bank of Tapi River, the weather is good around the year and it is hot in the month of May. By auto, it may cost from Surat railway station to SVNIT @ Rs. 100-120.

## **ELIGIBILITY FOR PARTICIPANTS**

Engineering College / Institute, Government Engineers, Polytechnic faculty members, research scholars, M. Tech/ ME students, pre-final year B Tech/ BE (Civil, Water, Environment) Engineering students are eligible to participate in this programme. The registration fee for participants is as follows.

Research scholar/PG/UG:	4000 Per Person
Faculty from Academic Inst.:	5000 Per Person
Industry delegate:	7000 Per Person

The payment of the registration fee should be in the form of Demand Draft/local cheque in favour of **"Director, SVNIT-CCE"**. Last date for Registration [Completed Registration form may reach institute along with DD/Chaque]: May 28, 2018.

All the registered candidates will be given the participation certificate. The Registration fees include participation in the course, breakfast, high tea and lunch.

The course is designed for, postgraduate students, graduate students, research scholar, academician and practising engineers. The horizon of the course extends from basin of flood modelling to latest real-time flood forecasting.

## **Self-Sponsored**

### **One Week Short Term Training Program (STTP)**

**On**

## **Flood Analysis and Modelling**

**(4<sup>th</sup> – 8<sup>rd</sup> June 2016)**

**Coordinator**

**Dr. S. M. Yadav**

Professor & Head  
Water Resources Engineering  
Civil Engineering Department

**ORGANIZED BY**



**CIVIL ENGINEERING DEPARTMENT  
S. V. NATIONAL INSTITUTE OF  
TECHNOLOGY, SURAT, GUJARAT**

Registration will be limited to 30 participants only. Selected Participants will be informed by E-mail on 30/05/2018.

### **OBJECTIVE OF THE COURSE**

The course introduces the participants to the state-of-the-art concepts and practices of flood analysis and modelling. The course intends to cover nature and characteristics of floods, introduction to 1D-2D flood modelling, flood forecasting, early warning system and case studies.

### **RESOURCE PERSONS**

Resource persons may be invited to share their respective expertise in river flood analysis and modelling from premier institutes, organizations like IIT, NIT, CWC, WAPCOS, IMD and consultants.

### **WHO MAY BENEFIT**

The course would benefit many water professionals. It is of interest to UG, PG and Doctoral students, teachers, laboratory scientists, planners and policymakers both in academia and industry.

### **COURSE DATE AND VENUE**

The course will be conducted during 4<sup>th</sup> to 8<sup>th</sup>, June 2018 at Seminar Hall, Civil Engineering Department, SVNIT, Surat, Gujarat.

### **COURSE CONTENT**

The course intends to cover the following topics.

1. Nature and characteristics of floods.
2. Introduction to 1D-2D Flood Modelling.
3. Remote sensing and GIS application.
4. Flood forecasting and early warning system.
5. Introduction to tools such as Mike II, HEC-RAS etc.

6. Case studies.
7. Hands-on sessions.

### **ACCOMMODATION**

Accommodation for outside participants will be provided in the Guest house/Hostel guest house of SVNIT, Surat on the payment basis.

### **ADDRESS FOR CORRESPONDENCE**

The completed registration form should be sent to the following address:  
(Send filled registration form through e-mail or mail)

**Dr S. M. Yadav**

Professor and Head  
Civil Engineering Department  
S. V. National Institute of Technology  
Surat - 395 007, Gujarat, India.

**Mobile:** +91 9426152906  
+0261 2201526

**Email:** shivnam27@gmail.com  
[smy@ced.svnit.ac.in](mailto:smy@ced.svnit.ac.in)

*\* Students of all categories have to submit completely filled registration form signed by Head of the institute.*



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## **Flood Analysis and Modelling**

**(4<sup>th</sup> – 8<sup>th</sup> June 2018)**

### **REGISTRATION FORM**

Full Name (\*Capital letters):

\_\_\_\_\_

Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone No (M): \_\_\_\_\_

(O): \_\_\_\_\_

E-mail: \_\_\_\_\_

Accommodation Required: Yes \_\_\_ or No \_\_\_

Date:

Signature of Applicant

Signature of Head of the Department / Institute  
(With date and seal)