

**TEQIP-III Sponsored**

**One Week Short Term Training  
Program**

*on*

**Air Pollution: Sources, Control  
and Modelling**

**Date: 15<sup>th</sup> – 19<sup>th</sup> February 2021**

*Coordinators:*

**Dr. Namrata D. Jariwala**

**Dr. R. A. Christian**



*Organized by:*

**P.G. Section in Environmental  
Engineering  
Department of Civil Engineering  
S. V. National Institute of Technology  
Surat-395007**

**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 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 eighteen postgraduate programmes, three M.Sc. integrated program (5-year duration) in Physics, Chemistry, and Mathematics. It also offers Ph.D. programme in all disciplines of Engineering and Applied Sciences. Special attention is given to 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 44 faculty members with specialization in various areas. The department has been running one UG programme, seven PG programmes (Environmental Engineering, Urban Planning, Water Resources Engineering, Structural Engineering, Soil Mechanics & foundation Engineering, Transportation Engineering & Planning and Construction Technology & Management) and research programme leading to Ph.D. degree.

**About Surat City:**

Surat is an important industrial city of the country with clean and wide roads. It is well known worldwide for its textiles and diamond industries. Several large-scale industries and establishments are located in the city. Surat is one of the 20 cities selected for funding under smart city scheme. The city is situated on the main western railway route between Vadodara and Mumbai. The institute is located at Ichchanath on

Surat-Dumas road at a distance of about 10 km from Surat railway station and around 8 km from airport.

### **About the Training Programme:**

Air pollution causes deaths and health problems to roughly seven million people worldwide every year. WHO data shows that 9 out of 10 people breathe air that exceeds guideline limits containing high levels of pollutants, with low and middle-income countries suffering from the highest exposures.

From smog hanging over cities to smoke inside the home, air pollution poses a major threat to health and climate. The combined effects of ambient (outdoor) and household air pollution cause about seven million premature deaths every year, largely as a result of increased mortality from stroke, heart disease, chronic obstructive pulmonary disease, lung cancer and acute respiratory infections.

It is an alarming situation to take concern of air pollution as it also severely affects the environment and responsible for the climate change. The main aim of the training programme is to “understand the key features of air pollution sources and control in that, Correlate the fate of the pollutants with the meteorological parameters, analyze and modelling the air pollutants” and to disseminate the knowledge for the Ambient and Indoor Air Quality.

### **Course Contents:**

- ❖ Introduction to Air Pollution, Sources and Effects
- ❖ Air Quality Management Policies and Legislation
- ❖ Emission Inventory
- ❖ Air Quality Monitoring and Measurement Techniques
- ❖ Source Apportionment and Receptor Modelling
- ❖ Air Quality Data Analytics and Modelling
- ❖ Exposure Monitoring and Health Risk Assessment
- ❖ Concept of Aerosol and Black Carbon
- ❖ Indoor Air Quality
- ❖ Case Studies

### **Eligibility for Participation:**

The training programme is open to engineers, teachers, researchers, professionals from Industry. As the training programme is interdisciplinary in nature, Faculty/Research Scholar and Industrial Person Background with Civil, Environmental, Mechanical, Biotechnology, Chemical Engineering and Applied Sciences background can attend the programme. Research scholars working in the above areas are also eligible to apply.

### **Registration Fee:**

The registration fees for the program shall be

- Rs 200 for Research scholars
- Rs. 500 for Academician
- Rs. 1000 for Professionals/ Industry person

The registration fee should be paid online mode in account of “Director SVNIT TEQIP IRG” A/C No: 0277101028663 Canara Bank, Nanpura Branch Surat, IFSC: CNRB0000277.

### **Programme Faculty:**

The resource persons for the programme shall include faculty members of NIT Surat, IITs, NITs and other institutes of repute as well as experts from industries/ GPCB.

### **Program Schedule:**

The program will be conducted in online mode during 15<sup>th</sup> -19<sup>th</sup> February 2021 through google meet platform and link will be shared to selected registered candidate on or before the date of STTP.

### **Important Dates:**

The scanned copy of completed registration form should be sent as an e-mail attachment to ndjariwala1975@gmail.com by date 11<sup>th</sup> February 2021 along with receipt of online payment.

### **Online Registration Link:**

<https://forms.gle/uPSVN6n6S5ARbKfG9>

Registration is limited to 60 participants only.

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#### **REGISTRATION FORM:**

<b>Full Name</b>	
<b>Designation</b>	
<b>Institute/ Organization</b>	
<b>Highest Qualification</b>	
<b>Experience</b>	
<b>Contact No.</b>	
<b>Email ID</b>	
<b>Registration Fees</b>	
<b>Bank Name</b>	
<b>Date of Payment</b>	
<b>Receipt Number</b>	

Online payment to “Director SVNIT TEQIP IRG” A/C No: 0277101028663 Canara Bank, Nanpura Branch Surat, IFSC: CNRB0000277.

In purpose write Registration Fee CED NDJ STTP-1 (Attach the receipt of online transfer)

**Signature of the Applicant**

**Signature of Head of Department/Institute/Organization with seal**

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Address for Correspondence

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