



**DST-FIST Sponsored  
Research Facility  
Short Term Training Program  
(STTP)**



**on**

***"Sophisticated Instruments & Equipments  
(SIE-2025)"***

***14<sup>th</sup> July 2025 – 18<sup>th</sup> July 2025***



***Department of Chemical Engineering  
Sardar Vallabhbhai National Institute of  
Technology  
Surat, Gujarat***

**About the STTP**

In today's rapidly advancing technological landscape, industries across various sectors are increasingly reliant on sophisticated instruments and complex equipments to drive innovation, ensure precision, maintain quality, and optimize efficiency. Operating and maintaining these advanced systems requires a specialized skillset that goes beyond basic theoretical understanding. This comprehensive training program is meticulously designed to bridge that gap, empowering participants with the in-depth knowledge and hands-on proficiency necessary to confidently and effectively manage the sophisticated instruments and equipments. From understanding the underlying principles and operational intricacies to data interpretation, this program will equip users with knowledge of sophisticated instruments and equipments such as Gas Sorption Analyzer (BET), Gas Chromatography-Mass Spectrometry (GC-MS), Supercritical Fluid Extraction, Particle Size Analyzer (DLS), Rheometer, High-Performance Liquid Chromatography (HPLC), Membrane fabrications, Electrospinning, Microwave and ultrasound-assisted extraction, etc.

**Objectives**

Upon successful completion of this program, participants will be able to:

- Develop a fundamental understanding of the analytical and experimental methods and the relevant theory.
- Identify and utilize appropriate research facilities to address specific problems.
- Understand the advanced methods of analysis and experimentation, and experience in selected research facilities.
- Expand skills in the scientific method of planning, developing, conducting, reviewing, and reporting experiments.

**Targeted Participants**

PG/Ph.D. Students/Research Fellows from allied areas and research organizations

**Resource Persons**

*Highly qualified and eminent speakers from industry and academia*

**Important Dates**

Last date of registration: 09<sup>th</sup> July 2025

Intimation of eligible candidates: 10<sup>th</sup> July 2025

## Registration Fees

PG/ Ph.D. students /Research fellows

Rs. 2124/- (including GST)

The registration fee is non-refundable and should be paid online to the following account. Registration fee includes kit, breakfast and lunch.

**Account Name:** Director, SVNIT-CCE

**Account Number:** 37030749143

**Bank:** State Bank of India (SVRCET Branch, Surat)

**IFSC code:** SBIN0003320



## Registration Link

<https://forms.gle/iXsuMZhgMaFk1zK87>

**Number of seats limited to 30.**

**Accommodation can be availed in guest house/hostel. Accommodation charges need to be paid separately by the participants.**

## About SVNIT

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961. The Institute has been granted the status of 'Institute of National Importance' w.e.f. Aug. 15, 2007. The 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. The Institute is offering eleven UG programs, twenty-one PG programs, three five years integrated M.Sc. and five years dual degree B. Tech. + MBA program, five years dual degree B.Tech. + M. Tech program, PG programs by research, and Ph.D. programs in all disciplines of engineering and applied sciences. Special attention is given to interdisciplinary research across all the departments. The institute has an excellent placement record and growing by high pace in research as well.

## About Department

Established in 1995, the Department of Chemical Engineering, SVNIT, offers programs leading to Bachelor's, Master's and Ph.D. Degree in Chemical Engineering. Currently, the Department has 19 faculty members with expertise in various domains of chemical engineering. The department actively conducts FDP, STTP, and workshops for students, faculty and industry personnel. The department has built a comprehensive research infrastructure with top-notch facilities for carrying cutting-edge research. The department strives to provide conducive environment for creative and dynamic research work. The faculty members are granted several R&D projects from organizations like GUJCOST, DST, DBT, etc. and have high quality research publications and patents.

## Patron

Prof. (Dr.) Anupam Shukla, Director, SVNIT.

## Head of the Department

Prof. (Dr.) Meghal A. Desai

## Coordinators

Dr. Jigisha K. Parikh, Professor, DoChE, SVNIT  
Dr. Meghal A. Desai, Professor, DoChE, SVNIT  
Dr. Sanjay R. Patel, Professor, DoChE, SVNIT  
Dr. G. C. Jadeja, Associate Professor, DoChE, SVNIT  
Dr. Sarita Kalla, Assistant Professor, DoChE, SVNIT  
Dr. Sundar S.K., Assistant Professor, DoChE, SVNIT

## Student Coordinators

Mr. Miraj Savani

Ms. Rashmi Pathania

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Mr. Aamirbhai Vhora

Ms. Sakshi Suryawanshi