PROGRAMME OBJECTIVES

The proposed workshop would be highly beneficial and productive for the engineers/technical staff from various industries, faculty members, and research scholars, as it is designed to demonstrate and encourage the practice of actual methods. It is also helpful to acquirement of knowledge in a Particular Field: Attending workshops can help students to achieve success in their academic environment by putting these skills into practice.

The purpose of this computational analysis workshop is to provide a regular opportunity for scholars to receive feedback and gain exposure to new techniques and questions. Thus, this workshop will be focusing on "Computational Analysis on Electronics, Mechanical and Chemical Systems using ANSYS". The workshop would be highly productive and beneficial to people from industry and academia.

TARGETED PARTICIPANTS

The programmed is open to the engineers/technical staff from various industries, faculty members, research scholars and UG, PG students from other allied disciplines.

INDUSTRY ASSOCIATION

The resource persons are from ARK Info Solutions Pvt. Ltd., India—an ANSYS Elite Partner and the national distributor for ANSYS sales and support. The company brings extensive experience across various industry sectors, including Animation, Architectural Engineering & Construction, Gaming, Graphic Design, Manufacturing, Mechatronics, Robotics, and Product Design.

Registration Link

https://forms.gle/H4fcUvNYTPBhdfhaA

WORKSHOP CONTENT

- Introduction to CFD
- Application of CFD-mechanical /civil/ Chemical
- Hands on Internal Flow Simulation
- Ansys Solution for Healthcare Sector
- Introduction to Multiphase Flow
- Workshop-Simulation of Transient Vortex in a Stirred Tank using Ansys Fluent Software
- Assignment -AIC courses for each department
- Workshop - Thermal analysis of PCB using Icepak-Steady and transient Simulation
- Workshop-Implantable antenna
- Ansys solution for 5G/6G lab
- Workshop-Antenna placement and RCS
- Introduction to SI-Wave with hands on workshop
- Demo workshop for All department application

Self-Finance One-Week Online Workshop on

"Computational Analysis on Electronics, Mechanical and Chemical Systems using ANSYS"

21st July – 25th July, 2025

Department of Electronics, Chemical and Mechanical Engineering Sardar Vallabhbhai National Institute of Technology (SVNIT) Ichchhanath, Surat-395007, Gujarat, India

COORDINATOR (s)

Dr. Kirti Inamdar (DoECE)
Dr. Sarita Kalla (DoChE)
Dr. Pallvita Yadav (DoME)

ABOUT THE INSTITUTE

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 THE DEPARTMENT(s)

Department of Electronics Engineering has a rich history of academic excellence and impactful research. Several state-of-the-art research facilities is available in the department to support our academic programs and research. The Department of Chemical Engineering 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. The Depatment of Mechanical Engineering offere several state-of-the-art research facilities to support academic programs and research. Project funding from several agencies (approximately 12 crores during last five years) helped to maintain and modernize research infrastructure.

REGISTRATION FEES

Participants	Fees (In INR) Including 18% GST
Students & Research Scholars	Rs. 590/-
Faculty Members	Rs. 826/-
Participants from Industry	Rs. 1,180/-

All the participants will receive the e-certificates after successful completion of the workshop.

The maximum number of participants is limited to 150 and the registration will be on first come first serve basis.

A/c details for NEFT Transaction
Name of A/C: Director, SVNIT- CCE
A/C No: 37030749143
Bank: State Bank of India (SVRCET Branch, Surat)
IFSC Code: SBIN0003320

PATRON

Prof. (Dr.) Anupam Shukla
Director, SVNIT

HEAD OF THE DEPARTMENT(s)

Dr. Shilpi Gupta, DoECE
Prof. (Dr.) Meghal A. Desai, DoChE
Prof. (Dr.) P.V. Bhale, DoME

COORDINATOR (s)

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Dr. Sarita Kalla (DoChE)
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IMPORTANT DATES
Last date for Registration: 17th July 2025
List of Eligible Candidates: 18st July 2025