

To,  
IICHE Regional Center, Ankleshwar.

**Sub.:** Reports of activities done during academic year 2024-25 under IChE Student Chapter-SCET.

Dear Sir,

Greetings from IChE student chapter – SCET, Surat!!!

Following are the events organized by IChE Student Chapter SCET at Department of Chemical Engineering, Sarvajani College of Engineering & Technology, Surat.

<b>Sr. No.</b>	<b>Date</b>	<b>Description</b>
1.	05/07/2024	Briefing session on IChE Student Chapter conducted by BE-IV year Chemical Engineering students during 1st year orientation program.
2.	08/07/2024	Expert talk on A healthy Outside Starts from Inside, Speaker: Ms. Krupa Majmudar, Nutritionist- Lifeline multispecialty Hospital
3.	08/08/2024	An expert talk "How to ignite the thought process as an engineer." Resource Person: Dr. Pankaj Gandhi, Director, MANTRA SURAT
4.	22/08/2024	An expert talk Topic: " Valuable pointers to make a career As a Chemical Engineer." Resource Person: Mr. Vinay Bhrambhatt , Prod. Manager PFY/PET plant, Reliance, Hazira
5.	28/08/2024	Industrial visit at M/s. System Engitech Pvt. Ltd., Surat for BE-IV students
6.	21/09/2024 & 22/09/2024	A national techfest Chemclave 2024- "Engineering a greener, safer tomorrow " organised during 21-22 Septem 2024. Following events were organised under the same" i. Inauguration and keynote speech ii. Demonstration on Fire fighting extinguishers by SMC iii. Avishkar- a model presentation iv. Abhivyakti- a paper presentation v. Virtual Placement: Written test, GD and PI vi. Hacksim- Problem solving using simulation software vii. Mystery Track- Chemical Engineering knowledge with fun viii. Safety Scan- Safety Quiz and problem solving by Hazop ix. Chem Spec- Problem solving using books like Perry's handbook and other reference books from central library x. Chem Capture- reel aking during event
7.	18/09/2024	Alumni Talk on How to A Crack Corporate career using MBA after Engineering, Expert : Mr.Arindam Datta, Sr.Manager, AJIO, Date of Program: 18th September, 2024
8.	24/10/2024	Industrial Visit at Water Treatment Plant, Katargam Water Works for BE-II year students
9.	21/01/2025	Expert talk on Hazard and Risk Management in Chemical Industries by

		Prof. M.N. Vyas, ex. GM (operational and HSE), IPCI Vadodara
10.	24/01/2025	Group Discussion on the occasion of World Environmental Education Day
11.	24/01/2025	Poster Making Competetion on the occasion of World Environmental Education Day
12.	31/01/2025	Expert talk on Idea to Impact: My Startup Odyssey by For celebration of National Startup Day by Speaker: Mr. Yash Tarwadi, Founder of Solance Energy and SCET Alumni (Batch - 2018)
13.	06/02/2025	Industrial visit at Kribhco, Hazira on 06/02/2025 for BE-II year students.
14	28/03/2025	An expert on "Decoding the flow: An Introduction to Process and Instrumentation Diagram"Resource Person: Mr. Miraj Savani, Research Scholar SVNIT & SCET Chemical Alumni Batch 2019.

Please consider our candidature for the award of best student chapter.

Thanks and Regards,

Prof. Rashmita Patel  
 Co-ordinator,  
 IChE Student Chapter –SCET, Surat.  
 Mobil: 7567697148  
 Email: [rashmita.patel@scet.ac.in](mailto:rashmita.patel@scet.ac.in)

Dr. Srujal Rana,  
 HOD, Chemical Engg.  
 SCET, Surat  
 Email: [hod.chem@scet.ac.in](mailto:hod.chem@scet.ac.in)

1. Briefing session on IChE Student Chapter conducted by BE-IV year Chemical Engineering students during 1st year orientation program.. The following points were discussed during the session:
  - i. Introduction to IChE student chapter
  - ii. Activities held under this chapter
  - iii. Benefits of taking the membership
  - iv. How to apply online for the membership



2. Expert talk on A healthy Outside Starts from Inside, Speaker: Ms. Krupa Majmudar, Nutritionist- Lifeline multispecialty Hospital, Faculty coordinator-Prof. Anand Upadhyay  
**Objective of the Activity:** The event aimed to educate and raise awareness among students regarding the importance of nutrition and its impact on overall health and well-being.  
**Faculty Coordinator of the event:** Prof. Anand Upadhyay, Chemical Engineering Department, SCET, **Date :** 8th July, 2024 from 02:00 pm to 03: 00 pm, **Target Audience:** BE-II, III and IV year students



3. An expert talk "How to ignite the thought process as an engineer.", Resource Person: Dr. Pankaj Gandhi, Director, MANTRA SURAT
- Objectives of the R & D talk:** Experts from the Chemical Engineering and allied fields are invited to share their valuable experience and profound research knowledge with our UG students to broaden their perspectives. These talks also serve to motivate the students towards higher echelons of learning and research.
- Resource Person: Dr. Pankaj Gandhi, Director, MANTRA, Surat.
- Venue: N. J. Seminar Hall, SCET
- Date and Time: 08.00.2024, 10:00 -12:00 noon
- Participants: BTECH CHEMICAL SEM III, V, VII students, BTECH IT SEM III students In all 287 students registered.
- Student volunteers: Dhairya Sharma, Priyansu Patel, Yaksh Lad, Sameer Mirza
- Faculty Coordinator: Dr. Swati Sharma, Professor, Chemical Engg Department.



4. An expert talk Topic: " Valuable pointers to make a career As a Chemical Engineer."  
Resource Person: Mr. Vinay Bhrambhatt , Prod. Manager PFY/PET plant, Reliance,  
Hazira Date: 22/08/2024, Faculty Coordinator: Prof. Rashmita Patel, Asst Professor &  
IICHe Student Chapter Coordinator Chemical Engg Department.

**Objectives of the talk:** A successful chemical engineer should possess a combination of technical skills, analytical abilities, and interpersonal qualities. These qualities help chemical engineers to thrive in their roles and contribute effectively to their organizations and society.



5. Industrial visit at M/s. System Engitech Pvt. Ltd., Surat for BE-IV students on 24/08/2024  
Faculty coordinator: Prof. Rashmita Patel

System Engitech Pvt Ltd, Surat is a leading name in design and fabrication segment. They are engaged in Manufacturing of wide range of Chemical and Pharmaceutical Process Plant Equipment. Students had seen and gathered the information about the following equipment:

- Shell and Tube Heat Exchanger
- Limped Coil Reactor
- Different types of flanges
- Agitated Nutch Filter Dryer
- Different types of agitators



## 6. Chemclave 2024 during 20-21 September 2024

Department of Chemical Engineering, SCET, Surat had organized **CHEMCLAVE 2024** under Annual Techfest – **KSHITIJ 2024** comprising Technical, Semi – technical and Non – Technical Events during (20<sup>th</sup> September – 21<sup>st</sup> September’ 2024) under the banner of **KSHITIJ 2024** and in association with Indian Institute of Chemical Engineers (**IIChE**).

The aim of the event is to provide a common platform to interact and exchange ideas, experience to the budding engineers and to share their knowledge on various researches going on in the field of chemical engineering. The theme of the CHEMCLAVE for this year 2024 was “**ENGINEERING A GREENER, SAFER TOMORROW**”.

<b>Faculty Coordinator</b>	:	Prof. Rashmita Patel & Prof. Ashish Parmar
<b>Student Coordinator</b>	:	Vishwa Tailor Kayastha Aryankumar Mitesh Sapariya Keya Das

CHEMCLAVE 2024 comprises of following events:

1. Abhivyakti – A technical paper presentation
2. Aavishkar – A Model presentation
3. Virtual Placement – To give a feel of placement procedure
4. Hack Sim – To provide solution to the problem using simulator software.
5. Chem Spec – To find out the asked parameter with using books as reference
6. Safety Scan – Learning about safety required for Engineer at Industrial Workplace.
7. Mystery Track – Answer the question, reach at a final destination by solving clues.
8. Chem Capture – Capture the moments in CHEMCLAVE 2024.

### **INAUGURATION CEREMONY**

The Inauguration Ceremony of our Annual Techfest “CHEMCLAVE 2024” was a truly memorable and grand occasion, setting a vibrant tone for the entire event. The ceremony was attended by **Mr. Mayur Kachhadiya & Mr. Ronak Javiya, Directors of Janki Herbals Pvt. Ltd., SCET Alumni 2017** as chief guests. Their inspiring words emphasized the importance of technological innovation, creativity, and collaboration in shaping the future.

The Inauguration Ceremony was followed by a practical demonstration of various types of fire extinguishers, conducted by experts from Surat Municipal Corporation. The demonstration not only educated participants on emergency preparedness but also underscored the importance of safety measures in both personal and professional environments. All the Students & Faculties actively participated in the demonstration.





## Event Name: Abhivyakti

ABHIVYAKTI is an event which provides a platform to an individual to showcase his/her talents in terms of knowledge discovery and delivery to the end user. This can be done by giving an effective Presentation in front of audience along with an Interaction. To achieve this, an event is combined with a small presentation followed by questions and answers. Each Participant with delivered the paper or poster presentation on any topic related to Chemical Engineering & Environment Issues and try to explain the topic to audience by various means

<b>Event Faculty Head</b>	Prof. (Dr.) Swati Sharma
<b>Jury members</b>	Mr. Dipesh Kachhadiya, TA SVNIT, Surat. (SCET Alumni)
<b>Event Head</b>	Kinjal Gajra (4 <sup>th</sup> Year)
	Kirtan Rana (3 <sup>rd</sup> Year)
<b>Volunteers</b>	Rominkumar Sarang
	Akash Yadav
	Kunj Bodarya
	Megh Kataria
<b>Total team participation</b>	05
<b>Name of winner</b>	Keya Das (SCET)

**SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Shree Dhansukhlal Thakordas (Colourtex group)  
Department of Chemical Engineering

**ABHIVYAKTI**

**ENTRY FEES: NIL**

**RULES**

- Participation – Solo
- Participation in the event is open for all branches.
- Participants have to present their research work (i.e., max 10-12 slides) in front of the jury members.
- Time limit will be 15 min. for presentation along with Q&A.
- Winners and Runner-ups will get price money.
- Participants will be informed about their finalized topics till evening of 16th Sept, 24.
- Further, students have to submit their presentation within 2 days on or before 18th Sept, 2024.
- Participants are informed to submit their work on ABHIVYAKTI\_24@gmail.com

**FACULTY HEAD**  
PROF. (DR.) SWATI SHARMA

**STUDENT HEAD**  
GAJRA KINJAL: 9737340229  
KIRTAN RANA : 9016603065

**Date & Time:**  
20th Sept, 2024  
11 AM onwards

**Venue:**  
SCET college

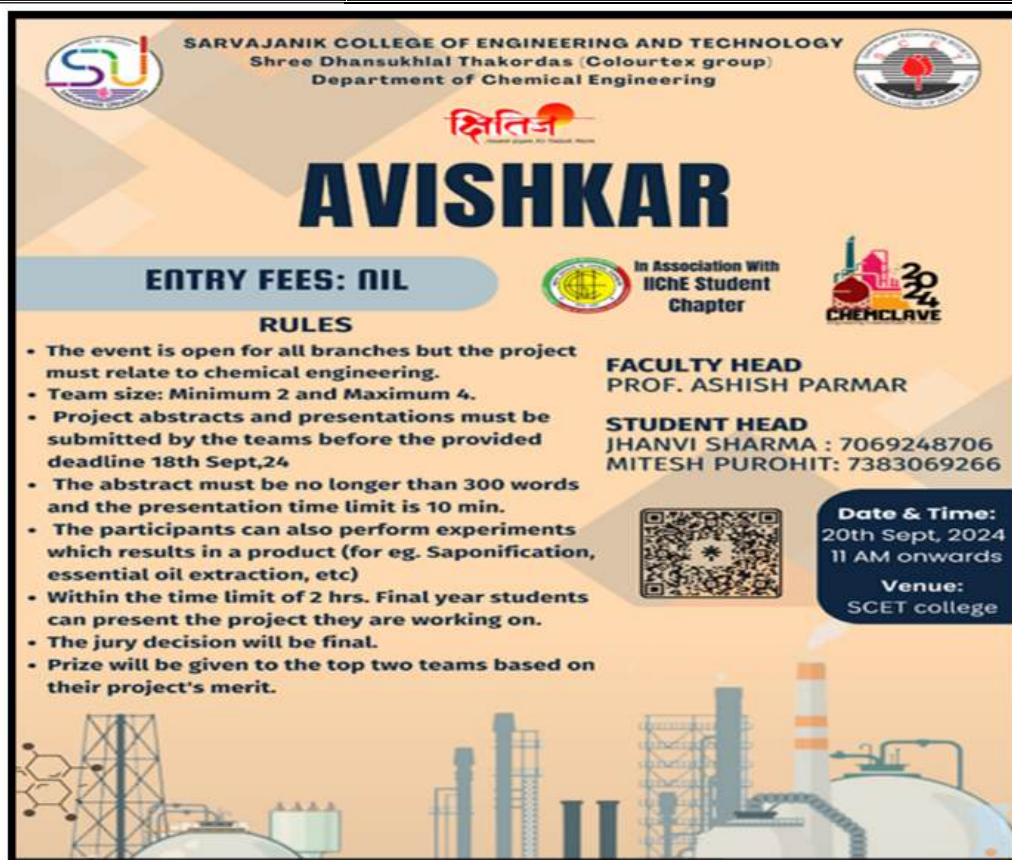
QR Code: [QR Code]



### Event Name: Avishkar

This technical event is regarding the model presentation. Students showcased their technical knowledge, think out of box skill and presenting skills to showcase their knowledge in front of the jury members, faculties and invitees. The evaluation was done based on these criteria and winners were selected accordingly by the jury member.

<b>Event Faculty Head</b>	Prof. Ashish Parmat
<b>Jury members</b>	Dr. Rakesh Vaiwala, Research Associate. Department of Chemical Engg, IISc, Bangalore (SCET Alumni)
<b>Event Head</b>	Jhanvi Sharma (4 <sup>th</sup> Year)
	Mitesh Purohit (3 <sup>rd</sup> Year)
<b>Volunteers</b>	Kashyap Tailor
	Aaditya Chauhan
	Dhruvit Postiwala
	Alpesh Khalane
<b>Total team participation</b>	17
<b>Winner Details</b>	
3 <sup>rd</sup>	Vraj Patel & Megh Patel (NGPP & SCET)
2 <sup>nd</sup>	Gohil Chandradeep Sinh, Patil Prem & Chaudhari Mumux (UTU)
1 <sup>st</sup>	Aditya Thakor & Ramkesh Singh (SCET)



The poster for the Avishkar event is designed with a light orange background and features a chemical engineering theme. At the top, it displays the logos of Sarva Janik College of Engineering and Technology (SU) and IIT Bombay, along with the text 'SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY Shree Dhansukhlal Thakordas (Colourtex group) Department of Chemical Engineering'. The event title 'AVISHKAR' is prominently displayed in large, bold, blue letters. Below the title, it states 'ENTRY FEES: NIL' and 'RULES'. The rules list several conditions: the event is open for all branches but projects must relate to chemical engineering; team size is between 2 and 4; project abstracts and presentations must be submitted by 18th Sept, 24; abstracts must be under 300 words with a 10-minute presentation limit; participants can perform experiments like saponification or oil extraction; final year students have a 2-hour presentation limit; the jury decision is final; and prizes will be given to the top two teams. The poster also lists the Faculty Head (Prof. Ashish Parmar) and Student Head (Jhanvi Sharma and Mitesh Purohit) with their contact numbers. A QR code is provided for registration. The date and time are 20th Sept, 2024, from 11 AM onwards, at SCET college. The bottom of the poster features an illustration of a chemical plant with distillation columns and storage tanks.

**SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Shree Dhansukhlal Thakordas (Colourtex group)  
Department of Chemical Engineering

**AVISHKAR**

**ENTRY FEES: NIL**

**RULES**

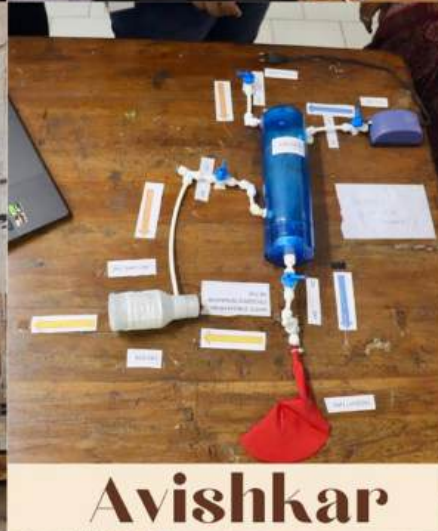
- The event is open for all branches but the project must relate to chemical engineering.
- Team size: Minimum 2 and Maximum 4.
- Project abstracts and presentations must be submitted by the teams before the provided deadline 18th Sept,24
- The abstract must be no longer than 300 words and the presentation time limit is 10 min.
- The participants can also perform experiments which results in a product (for eg. Saponification, essential oil extraction, etc)
- Within the time limit of 2 hrs. Final year students can present the project they are working on.
- The jury decision will be final.
- Prize will be given to the top two teams based on their project's merit.

**FACULTY HEAD**  
PROF. ASHISH PARMAR

**STUDENT HEAD**  
JHANVI SHARMA : 7069248706  
MITESH PUROHIT: 7383069266

**Date & Time:**  
20th Sept, 2024  
11 AM onwards

**Venue:**  
SCET college



# Avishkar



### Event Name: Virtual Placement

This event provided the opportunity to participant to get the knowhow of the placement drive levels, i.e, Written Test, Group Discussion, and Personal Interview. By participating in the event they developed the confidence to appear in all the rounds of the placement drive of any industry. The mock interview in front of the industrial personnel have given them the idea about the types of questions asked during the interview and how to answer them.

<b>Event Faculty Head</b>	Prof. Rashmita Patel
<b>Jury members</b>	
<b>Group Discussion</b>	Prof. Pratik Patel, Assistant Professor, BRCM, Surat.
<b>Personal Interview</b>	Mr. Tushar Tahelramani, Executive – Production & Supply Chain, Krishi Rasayan Pvt. Ltd (SCET Alumni)
<b>Event Head</b>	Aaditya Thakor (4 <sup>th</sup> Year)
	Mahek Patel (3 <sup>rd</sup> Year)
<b>Volunteers</b>	Jeet Desai (3 <sup>rd</sup> Year)
	Rudra Goti (2 <sup>nd</sup> Year)
	Bharsadiya Yug (2 <sup>nd</sup> Year)
	Gajre Rudra (1 <sup>st</sup> Year)
<b>Total team participation</b>	89
<b>Winner Details</b>	
3 <sup>rd</sup>	Meet Shah (SCET)
2 <sup>nd</sup>	Gajra Kinjal (SCET)
1 <sup>st</sup>	Pranavi Mehta (SCET-CO) & Jhanvi Sharma (SCET)



SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY  
Shree Dhansukhlal Thakordas (Colourtex group)  
Department of Chemical Engineering



# VIRTUAL PLACEMENT

**ENTRY FEES: NIL**



In Association With  
**IChE Student Chapter**



**2024 CHEMCLAVE**

**RULES**

- Participation - Solo

**ROUND-1**

- A written test of Aptitude Questions and Technical Questions.

**ROUND-2**

- Group Discussion.

**ROUND-3**

- An interview session for shortlisted candidates will conducted by an Industrial Expert.

Dress Code: Formals  
The decision of jury will be final.

**FACULTY HEAD**  
PROF. RASHMITA PATEL

**STUDENT HEAD**  
AADITYA THAKOR: 9426465283  
MAHEK PATEL: 9904533197



**Date & Time:**  
Round 1 & 2 : 20th Sept, 2024  
round 3 : 21 sept,2024  
11 AM onwards  
**Venue:**  
SCET college





# HEMCLAVE 24



# Virtual Placement



### Event Name: HackSim

HACKSIM is an event which tests the anticipation and computational skills of participants, one who participated should be able to compare ASPEN PLUS and DWSIM by solving chemical engineering design intensive problem. The main Motive of the Event is to provide an experience and motivation to learn about simulator software such as Aspen Plus and DWSIM.

<b>Event Faculty Head</b>	Prof. Anand Upadhyay
<b>Jury member</b>	Mr. Miraj Savani, Process Engineer & Research Scholar, SVNIT, Surat (SCET Alumni)
<b>Event Head</b>	Aditya Thakor (4 <sup>th</sup> Year)
	Priyansu Patel (3 <sup>rd</sup> Year)
<b>Volunteers</b>	Karan Prajapati (4 <sup>th</sup> Year)
	Dev Parmar (3 <sup>rd</sup> Year)
<b>Total team participation</b>	10
<b>Winner Details</b>	
2 <sup>nd</sup>	Jash Pachhigar & Nihar Patel (SCET)
1 <sup>st</sup>	Sankalp Desai & Parth Chauhan (SCET)



The poster for HackSim is green and white. At the top, it features the logos of Sarvajani College of Engineering and Technology (SU) and the Department of Chemical Engineering. The text reads: "SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY Shree Dhansukhlal Thakordas (Colourtex group) Department of Chemical Engineering". Below this is the word "कृति" in Hindi and "HACKSIM" in large white letters. A white banner says "ENTRY FEES: NIL". To the right, it says "In Association With IChE Student Chapter" and "2024 CHEMCLAVE". The "Rules:" section lists: "Team should contain Maximum 2 person.", "Internet connection and reference books allowed to use.", and "Computer system will provided by organizer." The "Sequence of competition" section lists: "2 person team have to simulate a problem given by organizer in Aspen plus and dwsim", "Teams will have to simulate successfully the given problems in stipulated time", and "Winners will be declared on the basis of accuracy of results and question answer by jury members". Faculty and student heads are listed: "FACULTY HEAD PROF. ANAND UPADHYAY" and "STUDENT HEAD ADITYA THAKOR : 9979112707 PRIYANSU PATEL: 7574972616". A QR code is present, and the "Date & Time:" is "20th Sept, 2024 11 AM onwards" and the "Venue:" is "CAD LAB ,chemical engineering department, scet college". The bottom of the poster features an illustration of a hacker in a hoodie sitting at a laptop, surrounded by gears, a smartphone, and a tablet.

**SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Shree Dhansukhlal Thakordas (Colourtex group)  
Department of Chemical Engineering

**कृति**

# HACKSIM

**ENTRY FEES: NIL**

In Association With  
IChE Student Chapter

2024  
CHEMCLAVE

**Rules:**

- Team should contain Maximum 2 person.
- Internet connection and reference books allowed to use.
- Computer system will provided by organizer.

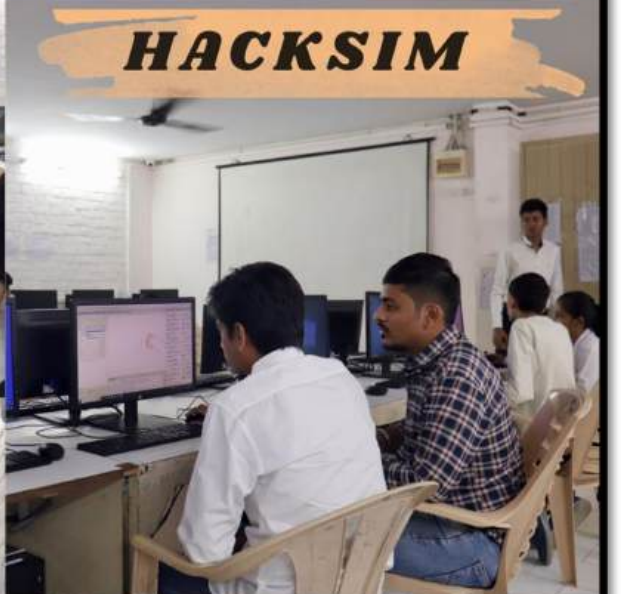
**Sequence of competition**

- 2 person team have to simulate a problem given by organizer in Aspen plus and dwsim
- Teams will have to simulate successfully the given problems in stipulated time
- Winners will be declared on the basis of accuracy of results and question answer by jury members

**FACULTY HEAD**  
PROF. ANAND UPADHYAY

**STUDENT HEAD**  
ADITYA THAKOR : 9979112707  
PRIYANSU PATEL: 7574972616

**Date & Time:**  
20th Sept, 2024  
11 AM onwards  
**Venue:**  
CAD LAB ,chemical engineering department, scet college



### Event Name: Safety scan

The event is a comprehensive safety challenge designed to assess participants' understanding and application of safety management practices.. The 1<sup>st</sup> round was based on test participants on their theoretical understanding of event. In 2<sup>nd</sup> round, participants presented with a real-world case study or scenario involving safety challenges. They required to analyze the situation using safety analysis techniques such as HAZOP (Hazard and Operability Study) or fault tree analysis. Participants was provided sufficient time to prepare & after preparing their analysis, participants will have 5 minutes to present their findings and proposed solutions.

<b>Event Faculty Head</b>	Prof. Srujal Rana
<b>Jury member</b>	Chetan H. Patel, Asst General Manager, Reliance Ind Ltd, Hazira ,Mfg Division, Surat (SCET Alumni)
<b>Event Head</b>	Siddharth Khairnar (4 <sup>th</sup> Year) Kartavya Goti (4 <sup>th</sup> Year)
<b>Volunteers</b>	Patel Jainil (4 <sup>th</sup> Year) Dadhaniya Bhavin (4 <sup>th</sup> Year) Priyansh Prajapati (3 <sup>rd</sup> Year) Parth Patel (2 <sup>nd</sup> Year) Priyank Patel (1 <sup>st</sup> Year)
<b>Total team participation</b>	120
<b>Winner Details</b>	
3 <sup>rd</sup>	Aditya Thakor (SCET)
2 <sup>nd</sup>	Jhanvi Sharma (SCET)
1 <sup>st</sup>	Rishi Mistry (SCET)



The poster for the 'SAFETY SCAN' event is designed with a clean, professional layout. At the top, it features the logos of Sarvajani College of Engineering and Technology, the Department of Chemical Engineering, and the IChE Student Chapter. The event title 'SAFETY SCAN' is prominently displayed in large, bold, blue letters. Below the title, the entry fee is stated as 'NIL'. The rules section is divided into two rounds: Round 1 (Safety Quiz) and Round 2 (Safety Analysis), with specific details for each. The faculty and student heads are listed with their contact information. A QR code is provided for registration. The date and time are set for 20th Sept, 2024, at 11 AM onwards, at SCET College. The bottom of the poster features a colorful illustration of a chemical plant with workers and safety equipment.

**SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Shree Dhansukhlal Thakordas (Colourtex group)  
Department of Chemical Engineering

**SAFETY SCAN**

**ENTRY FEES: NIL**

**Rules:**

- Participation type - Solo
- Round 1 : Safety Quiz
- Multiple Choice Questions Will Be Asked In **Round 1**
- Time Limit For Round 1 Will Be 30 Minutes.
- Material Will Be Provided To All Participants One Week before The Event.
- The Quiz Questions Will Be Based Strictly From This Material.
- **Round 2 : Safety Analysis**
- Participants will be given a case study or scenario related to safety issues.
- 30 minutes will be provided to participates to prepare their solutions (e.g., HAZOP study,fault tree analysis, etc.) and 5 minutes to present their ideas.

**FACULTY HEAD**  
PROF. SRUJAL RANA

**STUDENT HEAD**  
KHAIRNAR SIDDHARTH : 7575825973  
KARTVYA GOTI: 8160226994

**Date & Time:**  
20th Sept, 2024  
11 AM onwards

**Venue:**  
SCET College



# CHEMCLAVE 2024



**SAFETY SCAN**

### Event Name: CHEMSPEC

The objective of the event was to find different parameters/properties not by search engines but by use of core reference books. 1<sup>st</sup> & 2<sup>nd</sup> rounds were to find the given parameters at given operating conditions and to solve a given problem by using a reference book **PERRY'S CHEMICAL ENGINEERS' HANDBOOK** by ROBERT H. PERRY & DON W. GREEN. In the 3<sup>rd</sup> round the shortlisted student had to find the given data by use of **Encyclopedia of Chemical Engineering**. The 3<sup>rd</sup> round was conducted at reference section of our library.

<b>Event Faculty Head</b>	Dr. Vaishali Umrigar
<b>Event Head</b>	Sankalpkumar Desai (3 <sup>rd</sup> Year)
	Parth Chauhan (3 <sup>rd</sup> Year)
<b>Volunteers</b>	Aaryan Patel (3 <sup>rd</sup> Year)
	Raj Patel (2 <sup>nd</sup> Year)
	Viral Patel (2 <sup>nd</sup> Year)
	Falak Umrigar (1 <sup>st</sup> Year)
<b>Total team participation</b>	130
<b>Winner Details</b>	
3 <sup>rd</sup>	Abhay Patil (SCET)
2 <sup>nd</sup>	Vishwa Tailor (SCET)
1 <sup>st</sup>	Disha Ratanpara (SCET)

**SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Shree Dhansukhlal Thakordas (Colourtex group)  
Department of Chemical Engineering

**कर्मिणः**  
Karmīṇaḥ

# CHEM SPEC

**ENTRY FEES: NIL**

**Rules:**

- An immersive event to learn data hunting methodically.
- Demo round will be provided to make learning easy.
- Maximum of 3 rounds will take place.
- Use of any devices and web is prohibited.
- Books required for event will be provided at venue.

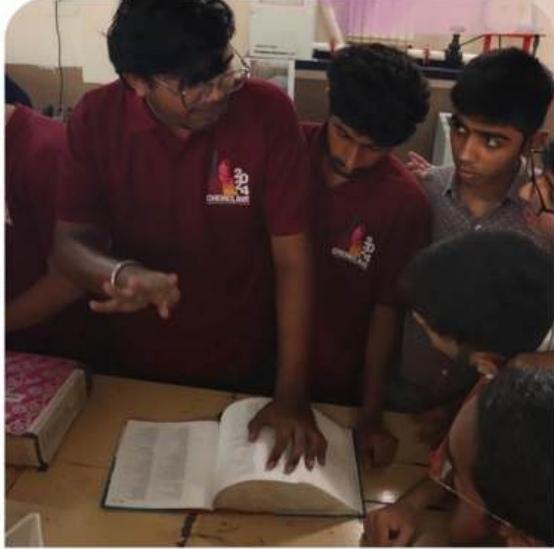
**FACULTY HEAD**  
DR. VAISHALI UMRIGAR

**STUDENT HEAD**  
SANKALP DESAI : 9924620152  
PARTH CHAUHAN : 9316700312

**Date & Time:**  
20th Sept, 2024  
11 AM onwards

**Venue:**  
SCET College

QR Code: [QR Code]



## Event Name: MYSTERY TRACK

There are Two number of Rounds & Duo participation in this event. 1st round participant had to give the answer of question by selecting a chit from a bowl of multiple number of chits. The first ten teams who reached at the end earlier than others were selected for next round. 2<sup>nd</sup> round was to find the clue by using a puzzle, do the task given just as a TRAZZER HUNT, but the clues were of related to Chemical Engineering .

<b>Event Faculty Head</b>	Prof. Ashish Parmar
<b>Event Head</b>	Meet Shah (4 <sup>th</sup> Year)
	Nainesh Parmar (3 <sup>rd</sup> Year)
<b>Volunteers</b>	Krishal Chauhan (3 <sup>rd</sup> Year)
	Deepak Parmar(3 <sup>rd</sup> Year)
	Badgujar Vivek (2 <sup>nd</sup> Year)
	Shreya Goti (1 <sup>st</sup> Year)
Hani Savaj (1 <sup>st</sup> Year)	
<b>Total team participation</b>	116
<b>Winner Details</b>	
3 <sup>rd</sup>	Shreya Goti & Falak Umrigar (SCET)
2 <sup>nd</sup>	Vidhi Parmar & Archana Vyas (SCET)
1 <sup>st</sup>	Shreyas Ramani & Dev Parmar (SCET)

**SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Shree Dhansukhlal Thakordas (Colourtex group)  
Department of Chemical Engineering



# MYSTERY TRACK

**ENTRY FEES: ₹40**

**In Association With  
IICHe Student  
Chapter**



**Rules:**  
**ROUND-1**

- Participation type - duo
- Time only 45 sec for question.
- Based on the credit, move forward on the track.

**ROUND-2**

- At every clue one team will be eliminated.
- The top 3 teams who reached final destination they will be winner of the event

**FACULTY HEAD**  
PROF. ASHISH PARMAR  
**STUDENT HEAD**  
MEET SHAH :8511050916  
NAINESH PARMAR: 9998989417



**Date & Time:**  
20th Sept, 2024  
11 AM onwards  
**Venue:**  
SCET College





### Event Name: CHEMCAPTURE

The Event was about to capture the precious & memorable moments in photographs & video shoots. The participants had to take a photograph or shoot a short video clip of the any Event occurring during Entire CHEMCLAVE 2024 and had to submit it to heads of event after entire 2 days event.

<b>Event Faculty Head</b>	Prof. Rashmita Patel
<b>Event Head</b>	Rushabh Gohil (3 <sup>rd</sup> Year)
	Deep Lad (3 <sup>rd</sup> Year)
<b>Volunteers</b>	Pratham Patel (3 <sup>rd</sup> Year)
	Henil Patel (3 <sup>rd</sup> Year)
	Abhishek Gotawala (2 <sup>nd</sup> Year)
	Rudra Parmar (2 <sup>nd</sup> Year)
<b>Total team participation</b>	116
<b>Winner Details</b>	
Reel Making	1. Harshit Vanani 2. Falak Umrigar
	1. Tirth Dhaduk 2. Kavy Patel 3. Aditya Omkar

**SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Shree Dhansukhlal Thakordas (Colourtex group)  
Department of Chemical Engineering

**कृति**  
कर्मणो भवति विद्या

# CHEM CAPTURE

**ENTRY FEES: NIL**

**Rules:**

- Open for all Branches.
- Participants are requested to submit only 3 pictures and 1 reel.
- Pictures/reel must be captured on chemclave.
- Bring your own digital device.
- No mixing, matching or morphing of photographs will be permitted.
- Allowance of softwares such as Photoshop or other for enhancement of reel.
- Evaluation criteria: (I) IMPACT/INFLUENCE, (II) COMPOSITION, (III) TECHNICAL QUALITY, and (IV) SUITABILITY for the specific theme.

additional instructions will be on the spot.

**Faculty Head**  
PROF. RASHMITA PATEL

**Student Head**  
RUSHABH GOHIL : 9484525758  
DEEP LAD : 6353657068

**Date & Time:**  
20th Sept, 2024  
11 AM onwards

**Venue:**  
SCET Collage

**QR Code**



SATVAJIB EDUCATION SOCIETY  
SARVAJANI COLLEGE OF ENGINEERING AND TECHNOLOGY  
AN APAC ACCREDITED INSTITUTION OF SARVAJANI UNIVERSITY  
APAC ACCREDITED INSTITUTION OF APAC ACCREDITED COLLEGES SOCIETY  
DEPARTMENT OF CHEMICAL ENGINEERING

# CHEMCLAVE 2024

ENGINEERING A GREENER, SAFER TOMORROW

20 21

- AVISIKAR
- MYSTERY TRACK
- SAFETY SCAN
- VIRTUAL PLACEMENT
- ABHIVYAKTI
- CHEM CAPTURE
- NACKSAM
- FUN EVENT
- CHEM SPEC

**FACULTY CO-ORDINATORS**  
Prof. Rashmi Patel  
Prof. Ashish Parmar

**STUDENT CO-ORDINATORS**  
Vishwa Tailor - 633238737  
Aayen Kayaarhal - 9054663688  
Kaya Rav - 9046008936

**HEAD OF DEPARTMENT**  
Prof. Srujal Bana

**SPONSORED BY:**  
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A hallway decorated with yellow garlands and posters, likely part of the ChemClave 2024 event.

## VALEDICTORY CEREMONY

The Valedictory Ceremony of our Techfest was a fitting conclusion to the two-day extravaganza of technological innovation, learning, and collaboration. The event was filled with reflections on the success of the various competitions, workshops, and seminars held during the fest, with participants and faculty alike expressing their satisfaction and pride. Certificates, trophies, and prizes were distributed to the winners and participants, acknowledging their hard work and talent.

Glimpse of **Prize Distribution** to the **Winners**:



7. Alumni Talk on How to A Crack Corporate career using MBA after Engineering, Expert : Mr.Arindam Datta, Sr.Manager, AJIO, Date of Program: 18th September, 2024, Faculty coordinator: Dr. Vaishali Umrigar

Flow of the talk included:

1. Introduction and my SCET journey
2. Why MBA?
3. How to prepare for CAT and other aptitude exams?
4. Post exam preps, interviews and experiences
5. Questions pertaining to CAT and other aptitude exams
5. MBA college experience in general and selection of National Importance Institute
6. Post MBA corporate career
7. Final Questions



8. Industrial Visit at Water Treatment Plant, Katargam Water Works for BE-II year students on 24/10/2024



9. Expert talk on Hazard and Risk Management in Chemical Industries by Prof. M.N. Vyas, ex. GM (operational and HSE), IPCL Vadodara, Faculty Coordinator: Prof. Rashmita Patel, Date: 21/01/2025

**Objectives of the session:**

Industrial safety is a very important factor in today's workplaces because many dangerous operations are carried out in industries like manufacturing and chemical industries. Risk management is important because it helps organizations reduce potential losses and threats.

<b>Resource Person:</b>	Prof. M. N. Vyas, ex. GM (operation & HSE), IPCL Vadodara
<b>Venue:</b>	Project Lab, J-02
<b>Date and Time:</b>	21/02/2025, 10:00 am - 12:00 noon
<b>Participants:</b>	BE-II and BE-III Chemical Engineering Students
<b>Faculty Coordinator</b>	Dr. Srujal Rana and Prof. Rashmita Patel

**Summary of the Session:**

Following topics were been covered during session with daily life examples:

- Introduction to Hazard and Risk

- Types of hazard associated with chemical industry
- Hazard and Risk Management Study
- Bhopal Gas Tragedy: Causes (What went wrong) and after incident consequences
- Fault Tree Analysis
- Event Tree Analysis
- Hazard Operability Study (Hazop study)



10. Group Discussion on the occasion of World Environmental Education Day on 24/01/2025, Faculty Coordinators: Prof. Rashmita Patel & Prof. Ashish Parmar

Department of Chemical Engineering, SCET, Surat had organized **Group Discussion and on the occasion of World Environmental Education Day (26<sup>th</sup> January) on 24/01/2025** in association with Indian Institute of Chemical Engineers (IChE) and IIC cell.

The aim of the event is to spread the awareness amongst budding engineers regarding the current environmental scenario and to provide a common platform to interact and exchange ideas to protect the environment by sustainable solutions such as use of bioplastic, applications of renewable energy sources and many more. Students also expressed their thoughts and view via posters in poster making. The students from BE-II and BE-III had actively participated in the event.



11. Group Discussion on the occasion of World Environmental Education Day on 24/01/2025, Faculty Coordinators: Prof. Rashmita Patel & Prof. Ashish Parmar

Department of Chemical Engineering, SCET, Surat had organized **Poster Making on the occasion of World Environmental Education Day (26<sup>th</sup> January) on 24/01/2025** in association with Indian Institute of Chemical Engineers (IChE) and IIC cell.

Students expressed their thoughts and view regarding the environmental pollution issues in the world currently and their vision for making the world pollution free via posters in poster making. The students from BE-II and BE-III had actively participated in the event.



12. Expert talk on Idea to Impact: My Startup Odyssey by For celebration of National Startup Day by Speaker: Mr. Yash Tarwadi, Founder of Solance Energy and SCET Alumni (Batch - 2018). Faculty Coordinator: Prof. Anand Upadhyay

Objective of the Activity:

- Raise Awareness: The event aimed to raise awareness among students about the startup ecosystem, the opportunities available, and the potential for innovation and entrepreneurship.
- Promote Action: By commemorating National Startup Day, the institute aimed to inspire students to take proactive steps towards their entrepreneurial journey. The talk

served as a catalyst, encouraging students to explore their own ideas and consider pursuing them as startups. Faculty Coordinator of the event: Prof. Anand Upadhyay, Chemical Engineering Department, SCET

Speaker: Mr. Yash Tarwadi, Founder of Solance Energy and SCET Alumni (Batch - 2018) Date & Time: January 31, 2025, 9:00 AM to 11:00 AM, Venue: N J Seminar Hall



13. Industrial visit at Kribhco, Hazira on 06/02/2025 for BE-II year students. The students were given the brief about the organization and the products at Training centre by Mr. Manoj Tiwari. After that they have visited the Urea plant. After that students have visited the storage, conveying and transportation facility at Kribhco.



14. An expert on "Decoding the flow: An Introduction to Process and Instrumentation Diagram" Resource Person: Mr. Miraj Savani. Faculty coordinator: Prof. Prof. Anand Upadhyay

The Department of Chemical Engineering, in collaboration with the IICHE student chapter and SCETAA, successfully organized an insightful expert talk on "Decoding the Flow: An Introduction to Process and Instrumentation Diagram" on March 28, 2025. The session, held in the E.C. AV room from 11:10 AM to 1:00 PM, provided students with a comprehensive understanding of Process and Instrumentation Diagrams (P&IDs) and their crucial role in the chemical industry.

### **Glimpses of the Event:**

