



Sarvajnik education society
**SARVAJANIK COLLEGE OF
ENGINEERING & TECHNOLOGY**
SURAT



Report on

CHEMCLAVE 2017 (14-15 Sept.)

Organized by

Shree Dhansukhlal Thakordas

Chemical Engineering Department

Under state level Tech Fest





SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY

Under State level Tech Fest



CHEMICAL DEPARTMENT

Presents....



Faculty coordinator

Prof. Ashish Parmar

Prof. Anand Upadhyay

Convenor

Bhavik Panchal (9099220699)

Co-Convenor

Utsav Chovatia(7777900644)

Abhay Gondalia(7405781883)

Deepashri Marathe(9104469960)

Sarvajnik college of Engineering and Technology is organizing [KSHITIJ-2017](#) every year for UG & PG students. Under the umbrella of KSHITIJ-2017 - a State Level Techfest, Chemical Engineering Department has organized [CHEMCLAVE-2017](#) on **14-15 September, 2017** for undergraduate, postgraduate students. 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. This CHEMCLAVE-2017 has achieved a new height by means of **maximum number of participation (more than 1200)** till date from institutes across the state such as **SVNIT-SURAT, DDU-Nadiad, SRICT-Ankleshwar, SVMIT-Bharuch, GEC-Bharuch, GEC-Valsad, Parul-Vadodara, FETR-Bardoli, S.N.Patel-Umrakh etc.** The event has recorded more than **550 number of** participation from institutes other than SCET.

Introductory clip of events was prepared by Akshat Kandelwal, BE-III chemical.

Visit the link for Chemclave-2017 : <https://biteable.com/watch/intro-2-1506098>

Visit the link for IDP. : <https://biteable.com/watch/intro-3-1506705>

CHEMCLAVE-2017 included core technical events like [Abhivyakti](#) (Paper Presentation), [Aavishkar](#) (Model Presentation) etc. Semi technical events such as [Chem-o-Simulator](#), [Chemo-Brainiac](#), [Chemical for Speed](#) and a non-technical event [Mind Spark](#) which requires all around knowledge/skills, and an event [Virtual Placement](#) which is a need for students of final year to get the knowhow of placement procedure for fresher.

The added attraction in CHEMCLAVE 2017 was the pre-event [Industry Defined Problem \(IDP\)](#) sponsored by M/s. Mahavir Synthesis Private Ltd. (MSPL), Sachin, Surat, organized on 13th September, 2017. A real life problem from chemical industry was given by M/s. MSPL, Sachin, Surat. There were 10 teams from various institutes across state, which had participated in this event and presented the probable solution of the given problem. It was judged by **Mr. Vatsal Naik, MD, MSPL and Mr. Mahesh Naik, Head, R&D, MSPL.**

CHEMCLAVE 2017 - SCHEDULE

Day 1	9:00 AM	9:15 AM	9:30 AM	9:45 AM	10:00 AM	10:15 AM	10:30 AM	10:45 AM	11:00 AM
	Mind Spark - round 1(movie 1)								
	Speed of Chmicales - Round 1								
							chem-o-brainiac - Round 1		
					Abhivyakti				
	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00	12:15 PM	12:30 PM	12:45 PM	1:00 PM
		chem-o-simmulator - Round 1							
					Speed of Chemicals - Round 2				
					chem-o-brainiac - Round 2				
	1:00 PM	1:15 PM	1:30 PM	1:45 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM	3:00 PM
	chem-o-brainiac - Round 2								
			virtual placement - round 1						
					Speed of chemicals - Round 3				
	3:00 PM	3:15 PM	3:30 PM	3:45 PM	4:00 PM				
	Mind Spark - round 1 (movie 2)								
Day 2	9:00 AM	9:15 AM	9:30 AM	9:45 AM	10:00 AM	10:15 AM	10:30 AM	10:45 AM	11:00 AM
	Chem-o-brainiac - Round 3								
			Avishkar						
			Virtual placement Round 2						
							Chem-o-simulator - Round 2		
	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00	12:15 PM	12:30 PM	12:45 PM	1:00 PM
	Chem-o-simulator - Round 2								
					Virtual placement Round 3				
	1:00 PM	1:15 PM	1:30 PM	1:45 PM	2:00 PM	2:15 PM	2:30 PM	2:45 PM	3:00 PM
	Mind Spark - Round 2								
	Virtual placement - Round 3								
	3:00 PM	3:15 PM	3:30 PM	3:45 PM	4:00 PM				
	Closing ceremoney								



SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY
Under State Level TechFest



Presents...

CHEMICAL ENGINEERING DEPARTMENT

CHEMCLAVE '17

Total Prize money
15k

Date: 13th September

IDP

Sponsored by:

3 or 4 members / Team

For more information

Utsav Chovatia (7777900644)
chemclave17@gmail.com

Entry fees: 150 Rs / head



Mahavir Synthesis
Pvt. Ltd.

This event was organized 1st time is SCET by appreciable efforts of Students and faculties. The event was organized for the students where they can showcase their innovative and creative approach to solve the industry's problem. In which Mahavir Synthesis Pvt. Ltd. (MSPL) gave a real life problem of industry and students worked on that and provided the solution of the same in front of jury. MSPL sponsored this event total worth of Rs.15000. Participants were given time of 13 days to find out the solution.

Faculty Coordinator: Prof. Srujal Rana

Event Heads: Utsav Chovatia

Volunteers: Sanket borad, Mihir Patel

This event consisted of Total 2 Rounds.

- **Round 1: Abstract Submission**

Date: 8th September, 2017

- **Round 2: Presentation of Solution**

Date: 13th September, 2017

Time: 10:00 a.m.

Venue: M.E Classroom (102) at TIFAC

Position	Name	College	Year
1 st	Mrunal S Sheth Yash Patel Parth Bhavsar	DDIT	4 th Year
2 nd	Shubham Sing Prateek Gandhi	SCET	4 th Year
3 rd	Soni Abhi Naim Memon Hiral Morker Rahul Prajapati	SCET	3 th Year

Two teams (Team 1: Akshat Khandelwal, Abhay Gondalia, Sahil Vesuwala from SCET and Team 2: Joshi Yagnesh, Soham Nakrani, Jevin Jethwa, Kalsariya Ankesh from S.N.PATEL, Umrakh, Bardoli) got consolation prize for their efforts and creative ideas.





The event was organized for the students where they can showcase their **Technical** knowledge by their project work in paper form.

Faculty Coordinator: Prof. Swati Sharma

Event Heads: Gangadiya Parth & Vaghasiya Bhautik

Volunteers : Yash Antala, Chintan Patel, Ronik Khalasi & Fenil Makawana

This event consisted of Total 1 Rounds.

- **Round 1 : Technical Paper Presentation**

Date : 14th Sept' 17 ; **Time :** 10:00 a.m.

Venue : Project Lab

Round 1 : Technical Paper Presentation

On 14th Sept'17 , Total **25** number of participants had registered for the event. Papers on various topics like Nanotechnology, Catalysis, Product development, cleaner development etc were presented. The Students were accommodated in the project lab.

Jury: Prof. Nareshbhai Vaghela (Associate Prof., GEC, Bharuch)

Position	Name	College	Year
1 st	Parth Patel	SCET	4 TH Year



Faculty Coordinator: Prof.Vaishali Umrigar

Event Heads: Meesha Mehta & Kajol Chokhawala

Volunteers :Pratik Jain, Naresh Hadiya, Abhishek Fitter, Dhruv Tank

This event consisted of only of 1 round.

Date :15th Sept' 17 ; **Time :** 9:00 am

Venue: IPC lab

Jury: Mr.AdityaVithlani(Atul Pvt. Ltd.- Valsad)

The event was organized for the students where they can showcase their **Technical creativity as well as presentation skills.**

It was a solely technical event of model presentation. Participants had to present their models related to various fields of chemical engineering. The evaluation was done based on various aspects and feasibility of model.

The Students were accommodated in the IPC lab and were helped to setup their models.

Out of the present 6 teams jury selected the best one on the basis of presentation skill, according to their content and how they faced every question given to them. At last only 1 was to be selected and the winner was:

Position	Name	College	Year
1 st	Vatsal Modi	SCET	4 TH Year



Sarvajanic Collage Of Engineering and Technology
Under State Level Techfest



Chemical Department Presents,
Chemclave '17
Chem-o-Simulator

Combine Technical and human skills..



Round - 1 Brain Teaser

- G.k.Questions
- Technical Related Skills
- Accuracy
- Time as Villain



Round – 2 Industrial Touch

- Trilogy Simulation
- Accuracy
- Time as Villain
- Real Life Chemical Engineer

Event Head :
Yash Gajera (7698210610)

2 Person Per Team
Entry Fees : 50 Rupees.

Event Head :
Fenil Dudhatra (9737690078)

The event was organized for the students where they can showcase their **Technical** as well as Practical knowledge by filtering themselves through different rounds of the Event.

Faculty Coordinator: Prof.Anshul Sharma

Event Heads:Yash Gajera , Fenil Dudhatra

Volunteers :Ankur Satani, Amipara Akshay, Kate Pandurang, Sachin Patel, Darshit Chauhan.

This event consisted of Total 2 Rounds

- **Round 1 : Technical + Aptitude Test**

Date : 14th Sept' 17 ; **Time :** 10:45 onwards

Venue : Chemical Classrooms

- **Round 2 : Simulation Round**

Date : 15th Sept' 17 ; **Time :** 10:45 onwards

Venue : IC Lab

Round 1 :Technical + Aptitude Test

On 14thSept'17 ,Total 200 number of Students had participated from the total 214 registered no. of students. The Students were accommodated in the Classrooms of Chemical Department. Total18 questions were there in the question paper &30 Minutes were allotted to the students for completing the paper. 8 teams were selected for final round.

Round 2 :Troubleshoot

Jury :Prof.Mohanbhai Patel

In the second round a session was conducted on simulation software by Prof Mohan Patel, Asst. Professor, IC dept, SCET. Based on that, a problem was given to the participants to solve.

Name of Winners:

Position	Name	College	Year
1 st	Miraj Savani Pansuriya Dhaval	SCET	3rd year
2 nd	Prajapati Purvin Patel Bhavik	SCET	3rd Year
3 rd	Hadiya Naresh Kunal Rajput	SCET	3rd Year





Sarvajanik Education Society
Sarvajanik College of Engineering & Technology
Under State Level Techfest

क्षितिज
Anant Gyan Ki Talash Mein

CHEMICAL ENGINEERING DEPARTMENT
Presents:-

CHEMCLAVE '17 (14-15 sep.)

CHEMO – BRAINIAC

• **TEST YOUR BASIC :-**
Test your skills of chemical

• **ELIMINATION ROUND**
Twist your brain, Run with Fun

• **SURPRISE ROUND**
Get ready to win.

Event Head
Parth Marakana (9662660669)
Divyesh Kakadiya (8735836236)

2 members/team
Entry fees. :- 50Rs

Faculty coordinate: Prof. MazharMultani

Event Head: ParthMarakna, Divyeshkakadiya

Volunteer: Hiral Morkar, Patel Adarsh, Patel Bhaumin, Gopal Kanani

1) Round 1 (test your basic)

- Question paper was given to the each team which was based on descriptive manner, basic knowledge about chemicals & general knowledge.
- Answering time was about 20-30 minutes.
- Test containing 15-20 questions.
- 27 teams were selected for 2nd round on based on their performance.
- As per the schedule the event was started at 10:30 am and completed on time 11:15. A total of 130 entries were registered for this event from other colleges of Gujrat and also from SCET.

2) Round 2 (elimination round)

- This round was like photo hunt but it's not photo hunt.
- in this round five to six clue was to be given to the each team (a clue is in the form of written clue or photo clue)
- Each team had to solve these clues and find proper place according to clue and take a selfie with this place.
- First 10 teams were selected for the final round upon successful completion of the task.
- After smooth completion of 1st round 2nd round was started at 12:15 as per schedule. It begin with providing the clue to the selected candidate as per the format of 2nd round. After 15 min all 10 team arrived with their right clue's selfie.

3) Round 3 (Surprise round)

- In this round surprise task were given to team & change in the team was decided by event heads
 - Each team had to complete their task within given time period.
 - Based on performance 1st, 2nd & 3rd team was declared as a winner
- 3rd round was held on 15th sept at 9.00 am. Selected 10 teams through the entire round were performing in this round. In this surprise round each team were provided a kit of materials (cardboard sheet, thermocoal sheet, cutter, gum, cellotape, straws and plastic bottles). Using which they were supposed to make any model on theme of unit operations and

unit process of chemical engineering within one hour. Prof. Mazhar Multani reviewed presentations of all the teams as a jury and announced the result on basis of participants' idea, innovation, work clearance and presentation.

Position	Name	College	Year
1 st	SavaniMiraj DudhartaFenil	SCET	3 rd year
2 nd	VanaiUrvil Limbasiyaharshil	SCET	3 rd year
3 rd	Neel patel RuchiPadaria		1 st year





The event was organized for the students who can make a car which is running under chemical mechanism.

Faculty Coordinator: Prof. Parth desai

Event Heads: Harshit Patel, Utsav Patel

Volunteers: Patel Bhavya, parmar Saurabh, jinesh vachhani, krutagna

This event consisted of Total 3 Rounds.

- **Round 1** : Cross the line and gain the points

Date : 14th Sept' 17 ; Time : 9:00 am(round 1)

Venue : Chemical department triangle lobby area

- **Round 2** : Go max closer to the given line

Venue: chemical department traingle lobby area

Date: 14th Sept' 17 ; Time : 12:45 pm

- **Round 3:** Pass the obstracles and won the event

Venue: chemical department traingle lobby

Date: 14th Sept' 17; Time: 3:15 pm

Round 1: CROSS THE LINE AND GAIN THE POINTS

On 14th Sept'17 ,in our round 1,53 teams were present and it was held at Chemical department triangle lobby where the running path was made.In this 1st round the participants have to run their car as it can cover maximum distance, so that they can cross more lines and get more points.

Round 2: GO MAX CLOSER TO THE GIVEN LINE

From the observation of 1st round, 12 best cars were qualified for 2nd round. In this round participants have to use fuel in limited quantity so the car don't cross the given line and stop as near to that line.

ROUND 3: PASS THE OBSTACLES AND WON THE EVENT

From the 2nd round we have selected 6 participants as qualified for 3rd round. In this round participants have to show their strength and pass the obstacles and cover maximum distance on the path.

Position	Name	College	Year
1 st	Mishank Patel Prachi Jain	SCET	4th Year
2 nd	Kosada Mihir Kosada Mahipal	SIRCT	3rd Year
3 rd	Dolly Sharma Keval Dobariya	Parul, University	3rd Year





The event was organized for the students where they can showcase their observation skills.

Faculty Coordinator: Prof. Beena Jadhav

Event Heads: Akshat Khandelwal, NaimMemon

Volunteers: Sahil Vesuwala, AbhiSoni, Sarthak Goti, Sufiyan Tailor, Yash Zalawadiya

This event consisted of Total 2 Rounds.

- **Round 1 : TAPE INVESTIGATION**

Date : 14th Sept' 17 ; Time : 9:00 am(movie1) and 3:00 pm (movie2)

Venue : Chemical Classrooms : 1st2nd 3rd&4th year classroom and project Lab

- **Round 2 : LIVE INVESTIGATION**

Venue : Chemical Classrooms : 1st3rd&4th year classroom

Date : 15th Sept' 17 ; Time : 1:00 pm

Round 1: TAPE INVESTIGATION

On 14th Sept'17, in our round 1 (movie 1) 150 teams were present and it was held in Chemical Classrooms: 1st2nd 3rd & 4th year classroom and project Lab. The participants were first shown a movie and they had to observe it. After watching the movie they were given a question paper which they had to solve in 20 min.

Round 2: LIVE INVESTIGATION

From the first round a total of 48 teams were selected for the second round. In this round we had created one crime scene and have given clues to the participants and the participants had to solve the clues and reach to the culprit.

Position	Name	College	Year
1 st	Shwet Pal Bhanderi Nimanshu	SCET	4 TH Year
2 nd	SanketBorad Rajvi Pathak	SCET	4 th Year
3 rd	MirajSavani	SCET	4 th Year





The event was organized for the students where they can showcase their **Technical** as well as **Soft skills** by filtering themselves through different rounds of the Event.

Faculty Coordinator: Prof. Vishad Desai

Event Heads: Prateek Gandhi & Pinkal Sejpal

Volunteers: Siddhart Rana, Darshak Panchani, Vivek Bhikadiya & Shwet Kakadiya

This event consisted of Total 3 Rounds.

- **Round 1** : Technical + Aptitude Test
Date: 14th Sept' 17; Time: 1:00 p.m.
Venue: Chemical Classrooms: 1st & 2nd Year
- **Round 2** : Group Discussion
Date: 15th Sept' 17; Time: 9:30 a.m.
Venue: Project lab, Chemical Engg Dept.
- **Round 3** : Personal Interview
Date: 15th Sept' 17 , Time: 12 p.m
Venue: CAD lab, Chemical Engg Dept.

Round 1: Technical + Aptitude Test

On 14th Sept'17, Total 59 number of Students was present from the total 69 registered no. of students. The Students were accommodated in the Classrooms of Chemical Department (1st Year and 2nd Year) .Toal 60 questions were there in the question paper & 1 hr time was allotted to the students for completing the paper. Three Volunteers were kept in each classroom for the Volunteering.

Round 2 : Group Discussion

Jury: Prof.Chintan Shinde

Among them, total 30 students were selected for the Group Discussion. The Students were given the instructions regarding round. The Students were allotted the specific numbers during the event for maintaining the transparency of the event. 2 sub-rounds took place where 15 students were distributed in a group of 2. Each group was given the time of 30 mins. (10 min for preparation and 20 mins for Discussion). 8 topics were decided by the Jury and the topic was selected randomly by picking up the chits from the box by any one of the member of the group.

Round 3 : Personal Interview

Jury : Mr.Aditya Vithlani (Atul Pvt. Ltd.- Valsad)

Total **8** students were filtered from the 2nd Round of event. The students were instructed to bring their RESUME during the event as they need to present in front of the jury. 3 students were declared as Winners of the Event viz.

Position	Name	College	Year
1 st	Malvi Shah	SCET	4 TH Year
2 nd	Ravi Patel	SCET	4 th Year
3 rd	Kashyap Joshi	SCET	4 th Year

Abhishekh Gandhi (1st Year Chemical Student) was given the Consolation Prize for his performance in the event being a 1st Year student and reaching up to 3rd Round of the Event.



Engineer's Day Celebration

On 15th of September an engineer's wall was created as a part of “Engineer's Day” celebration on which various dignitaries had written their messages along with their signature.



Acknowledgment

Finally the event came to an end with a concluding remark by Prof. Vaishali Umrigar, Head, Chemical Engineering Department, SCET in which she appreciated the efforts put in by Convener, Co-conveners, Volunteers and staff. All the teaching and non-teaching staffs were present in the events and encouraged the students and participants. We acknowledge and thank Sarvajani Education Society and Sarvajani College of Engineering & Technology for providing the necessary infrastructure for conducting this event.

We also thank to Dr Vaishali Mungurwadi, Principal, SCET for her guidance and motivation in organizing CHEMCLAVE-2017.

Herewith we have attached some glimpses of the CHEMCLAVE-2017.





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