

Sarvajanik Education Society

Sarvajanik College of Engineering & Technology Towards progressive civilization...



A report

On

CHEMCLAVE 2022

(30th September-1st October' 2022)

Under state level annual Tech Fest

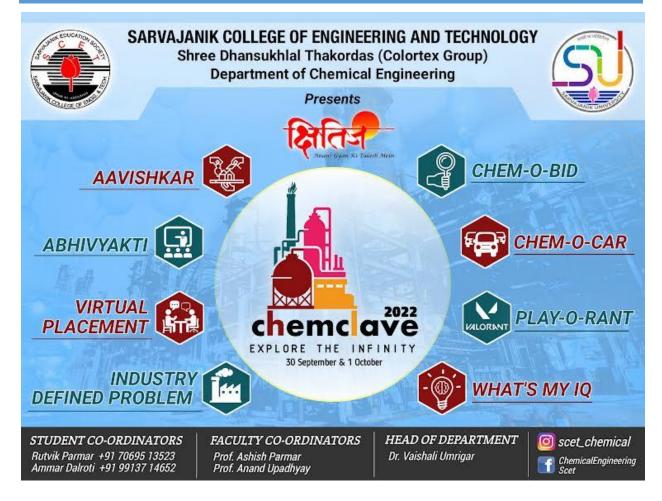
Kshitij 2022



Organized by

Shree Dhansukhlal Thakordas (Colortex Group) DEPARTMENT OF CHEMICAL ENGINEERING Sarvajanik College of Engineering & Technology

Dr. R. K. Desai Marg, Athwalines, Surat – 395001 Gujarat, India.



Chemical Engineering Department, SCET, Surat had organized CHEMCLAVE 2022 under Annual Techfest (Online) - Kshitij 2022 comprising Technical and Non-Technical Events during 30th September and 1st October'2022 under the banner of Kshitij 2022.

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 CHEMCLAVE2022 has achieved an excellent number of participation (more than 450) in the various events mentioned below.

- 1. Abhivyakti- A technical paper presentation,
- 2. Aavishkar A Model presentation,
- 3. **IDP**-Industry Defined Problem
- 4. **Virtual Placement** To give a feel of placement procedure.
- 5. Chem-o-Car- Idea to prepare a car with chemical engineering principles.
- 6. **Chem-o-bid** Three round event with bidding process and optimize their score.
- 7. What's my IQ Three round event to give know how of apptitude
- 8. **Play-o-Rant** Computer gaming non-technical event.



DATE:- 30th September

The technical event Abhivyakti was organized on 30 th Sept. at Project Lab in Chemical Engineering Department, SCET, Surat under the guidance of Faculty Co-ordinator Prof.(Dr.) SWATI SHARMA & Dr. HEMANGI DESAI was Invited as a jury of this event. 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 or in team of two Members 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. By Participating in this event, an individual can enhance his/her presentation skills, level of confidence and knowledge regarding latest trends.

Event Details

Faculty co-ordinator: Prof. (Dr.) Swati Sharma

Event Heads: Shubham Lekhadia (4th year) **Volunteers**: Anas Khatik (4th year)

Hardip Chabhadiya (4th year) Ayush Mistry (4th year)
Naitik Padshala (4th year)

Jury members:

Dr Hemangi Desai, Assistant Professor, Shree Ramkrishna Institute of Computer Sciences & Applied Science, Surat.

Total No. of Participants: 14

Winners:

Sr.No	NAME OF PARTICIPANTS	
01.	SHUBHAM LEKHADIA	WINNER
	HARSH MAURYA	WINNER
02.	NAITIK PADSALA	RUNNER UP











Date- 1/10/2022

The technical event "AVISHKAR" was organized on 1st October in Chemclave 2022 under the banner of Kshitij at MTO lab in Chemical Engg. Department, SCET, Surat under the guidance of Faculty Co-ordinator Dr. Vaishali Umrigar.

In this Technical event students (solo/group) were supposed to present a model (working/non working) and explain its principal and purpose to the jury members. Then the jury members came, our faculty co-ordinator Dr. Vaishali Umrigar welcomed them and after that they judged each of the participants on the basis of their model, presenting skills, knowledge regarding their project and several other criteria. Based on these criteria all the participants were given marks. In the end jury announced the top 3 participants and congratulated them. After that both the jury members shared their experience and explained us the importance of this type of event and

things as a participant you should keep in mind while presenting your work. In the faculty members of our department felicitated the jury members with the momentum.

Event details:

Faculty co-ordinator: Prof. VaishaliUmrigar	
Event Heads: Pratham Yadav (3 rd year)	Volunteers : Hussain Maniyar (3 rd year)
Manav Pandya (3 rd year)	Neel Mehta (3 rd year)
Jury members:	
Dr. Hitesh Desai, Associate Professor, SCET	Dr. Niket Shastri, Assistant Professor, SCET
Total No. of Participants: 10	

Winners:

Sr.No	NAME OF PARTICIPANTS	
1.	Kayastha Aryan (2 nd year Chemical, SCET)	
	Thakor Aditya (2 nd year Chemical, SCET)	Winner
	Ramkesh Singh (2 nd year Chemical, SCET)	William
	Dhairya Sharma (2 nd year Chemical, SCET)	
2.	Shivang Yadav (3 rd year Chemical, SCET)	1 st Runner Up
3.	Vasu Delvadiya (4 th year Chemical, SCET)	2 nd Runner Up

















DATE-30-09-2022 and 1/10/2022

Subject: Event of virtual placement in "chemclave 2022"

The technical event VIRTUAL PLACEMENT was organized on 30th Sept. & 01st Oct. at Chemical triangle in CHEMICAL ENGG. DEPARTMENT, SCET, SURAT under the guidance of Faculty Co-ordinator Prof. Rashmita Patel.

On 30th Sept. 2022, the 1st ROUND of event was started at 11:30 A.M. The first round based on the aptitude taste. The number of participants registered were around 83. And from that 20 students selected for 2nd round which was based on group discussion. It was on the same day at 2 pm in project lab of chemical engineering department. The jury shortlisted 9 participants based on their communication skills and knowledge. Further jury concluded the session with a speech where he gave some valuable tips regarding group discussion round.

On 1st Oct. 2022, there were a final round of virtual placement as a Personal Interview at 2 pm. The interviewee from reliance and he conducted the interview od shortlisted students. Students learned valuable lessons to successfully crack the personal interview from the final round of the event..

This event was successful because of faculty coordinator Prof. Rashmita Patel ,event heads Neha Singh and Vishva Desai and the volunteers Ompratap Rajput, Harshit Vanani and Vishwa Tailor.

Event details:

Faculty co-ordinator: Prof. Rashmita Patel

Event Heads: Neha Singh (4th year) **Volunteers**: Hussain Maniyar (3rd year)

Vishva Desai (3rd year) Neel Mehta (3rd year)

Jury members:

Dr. Pratik Patel, Assistant Professor, BRCM, Mr. Keval Dalsania, Production Shift Manager,

Surat Reliance Industries Ltd., Hazira, Surat

Total No. of Participants: 80

Winners:

Sr.No	NAME OF PARTICIPANTS	
1.	Krushil Patel(4 th year-chemical)	Winner
2.	Aatman Aarya(2 nd year-mechanical)	1 st Runner Up
3.	Shivang Yadav(3 rd year-chemical)	2 nd Runner Up



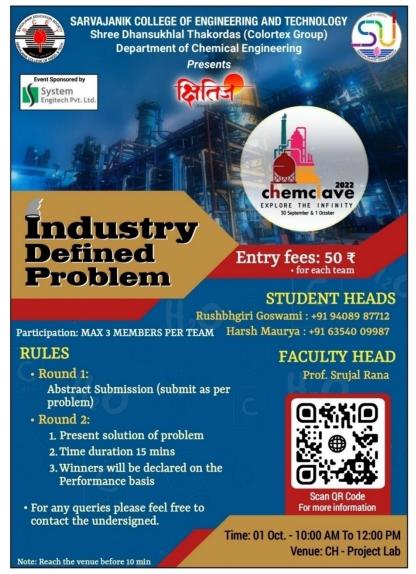












DATE: - 01st Oct. 2022

The technical event **Industry DefinedProblem(IDP)** was organized on 01st Oct. at CH Project Lab in Chemical Engineering Department, SCET, Surat under the guidance of Faculty Co-Ordinator Prof. SRUJAL RANA.

On 1st Oct. 2022, early in the morning at around 09:30 A.M. gathered to prepare the final arrangements of the event. The jury from M/s System Engitech pvt. Ltd. i.e. Mr. Ashish Patel (Head of design Engineer) and Mr. Viral Patel (Assistant Design Engineer) started the event along with Faculty coordinator, Prof. Srujal Rana at 10:00 am. The participants started giving the solution of the given industrial problem. The students gave very good explanation about the solution by presenting the solution in the form of power point presentation and explained on the board too and some of them brought the calculated data in the form of results of problem statement.

The event was held well and it lasted till about 2:00 pm. In the end the juries were falicitated with momento as a token of gratitude by Prof. Srujal Rana. They were glad to say that students

got very good solution of the problem statement and they gave a task to some students to solve a problem too. The event ended at 2:30 pm and in the afternoon the winners were declared.

Event details:

Faculty co-ordinator: Prof. Srujal Rana

Event Heads: Rushabhgiri Goswami (4th **Volunteers**: Mukti Patel (4th year)

year) Varija Prasad (4th year)

Harsh Morya (4th year)

Jury members:

Mr. Ashish Patel (Head of design Engineer) Mr. Viral Patel (Assistant Design Engineer)

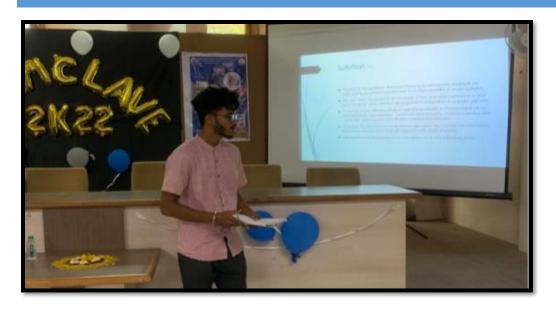
Total No. of Participants: 07

Winners:

Sr.No	NAME OF PARTICIPANTS	
1.	Shivng Yadav (4 th year-chemical)	Winner
2.	Daksh Bagul (4 th year-chemical)	Runner Up













DATE:1/10/2022

The semi technical event " **CHEM-O-BID** " was organised at Chemical engineering department- Sarvajanik college of engineering and technology on 30th September under the banner of kshitij in techfest Chemclave-2022. The total number of participants in this particular event was 111.

The event consisted 2rounds in which 1st round was logical NAME THE PIVTURE. 1st round was started at 11:00 am in classroom of J201. There were ALL participants present during 1st round of event. The first round PPT was consisting some general knowledge & chemical engineering equipment photos. The first round was of 20 marks. Out 111 participants, Top 20 participants were selected for next round.

The second round was held at 9 am on next day. Based on the top scorer 20 groups were called for second round. In second round participants were give 48 reactions for bidding and give to group of catalyst they have to bid on reaction based on catalyst. We give 20000 points for bidding and all groups was bid on reaction and we select maximum reaction was purchased by the group and there is negative marking on negative reactions. On the basis of higher marks faculty co-ordinator and even head select the winners of the event.

On 1/10/2022 the winners name was declared.

Event details:

Faculty co-ordinator: Prof. Prof Mahesh

Jethva

Event Heads:

Yuvraj Chauhan (Chemical-3_{rd} year) Aarjav Gujarati (Chemical -4_{th} year) Samarth Patel (Chemical-3_{rd} year) **Volunteers**: Ruchit Tejani (Chemical-4 th year)

Dhairya Sharma (Chemical-2 nd year) Jhanvi Sharma (Chemical-2 nd year) Ramkesh Singh (Chemical-2 nd year) Astha Makwana (Chemical-2nd year) Chavi Sharma (Chemical-3rd year) Nisarg Patel (Chemical-3rd year) Kalp Shah (Chemical-3rd year)

Total No. of Participants: 111

Winners:

Sr.No	NAME OF PARTICIPANTS	
1.	Krushil Patel (Chemical -4 th year)	Winner
	Pragnesh Padsala (Chemical -4nd year)	
2.	Akshit Kikani (Chemical -4 th year)	1 st Runner Up
	Akshay Asodariya (Chemical -4 th year)	1
3.	Yash Suvagiya (Chemical-3rd year)	2 nd Runner Up
		1

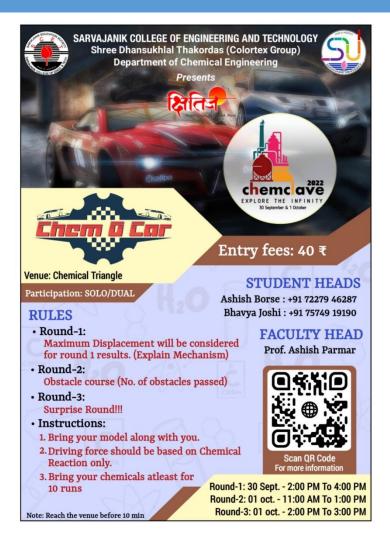












The technical event CHEM-O-CAR was organized on 30th Sept. & 01st Oct. at Chemical triangle in CHEMICAL ENGG. DEPARTMENT, SCET, SURAT under the guidance of Faculty Co-Ordinator Prof. ASHISH PARMAR.

On 30th Sept. 2022, the 1st ROUND of event was started at 11:00 A.M. Before the event started our whole team prepared the track for Chemo Car race with the distance of about 60fts. The number of participants registered were around 11 teams but only 3 teams were actually present at the venue with their Chemo-Car. But during the first trial, one of the car was damaged due to excessive pressure created inside the bottle/chamber. One of the team reached the maximum distance of about 30fts.

On 1st Oct. 2022, early in the morning at around 08:30 A.M. gathered to prepare the obstacle course. We prepared the hurdles using Thermocoal sheets, Chart-papers, cardboards, wooden sticks and clay. There were bumpers/ramps made using cardboard and sheets and hurdles by sheets. Round 02 was started around 11:00 A.M. with only three participants (including 1 on the spot registration). It was so amazing that people gathered around to watch the Chemo-Race. One team passed around 4 hurdles out of 5 with the distance of around 20fts. And the second team crossed 2 hurdles out of 5 with the distance of 10fts. One of the team disqualified as his car was damaged.

The 3rd ROUND was started at around 12:00 P.M. It was Surprise around for the participants which was about predicting/calculating the distance which would be travel by their car. Participants so excited for this round, we gave them time to calculate and think for the same. One team calculated that their car would to travel around 20fts and second team calculated around 25fts. The first team got around 3.5fts. diff and second team got around 4fts difference. So, the winner was first team named RENISH PARKHIYA & NISARG PATEL.

Event details:

Faculty co-ordinator: Prof. Ashish Parmar

Event Heads: Ashish Borase **Volunteers**: Ashutosh Visavadiya

Bhavya Joshi Raj Prajapati Virang Rana

Vitang Kana Vatsal Tailor

Total No. of Participants: 12 (Teams)

Winners:

Sr.No	NAME OF PARTICIPANTS	
1.	Renish Parkhiya (Chemical-3 rd Year) Nisarg Patel (Chemical-3 rd Year)	Winner
2.	Shubham Mangukiya (Chemical- 3 rd Year) Raj Kabariya (Chemical- 3 rd Year)	Runner Up











Date: 30th sept 2022 & 1st Oct 2022

The non-technical event **PLAY-O-RANT** consists of an E-sports game named VALORANT which was launched in 2020 and has now become the most trending PC game. Event was organized under the guidance of our faculty coordinator Prof. Sagar Bhatt and Prof. Upeksha Patel.

On 30th sept 2022, phase-1 of the game was commenced which winded up all the matches up to semi-finals. The number of teams which registered in the event were 22. Each team consists of 5 players who compete and fight against each other by planning a strategy. A total of 110 participants were there and the event started at 2pm. A virtual coin toss system was set up to help the teams select their map to play on. The first team to win the toss selects the map and the opposite team selects the side i.e. defenders/attackers.

All the 22 teams played against each other on the first day simultaneously at 2 pm and there were 11 hosts/observers who were continuously monitoring the gameplay of the players. The brackets of 22 teams converged and ended up with 3 teams in semi finals where we set up a lucky draw for all the three teams by writing their team names in a piece of paper, folded it and lifted a random piece which had the name of Team XO in it which means Team XO was promoted for the finals and Team Retards & Team XD were supposed to fight to get into finals.

The brackets converged and on 1st Oct 2022, finals were being streamed at Chemical Triangle and a lot of crowd was seen watching the gameplay of the finalists I.e. Team XD & Team XO.

The finals were of Best of 3 formats which means that the first team to win 2 maps will be the one to take the trophy and the price pool home.

Event details:

Faculty co-ordinator: Prof. Sagar Bhatt and

Prof. Upeksha Patel

Event Heads: Yash Master **Volunteers**: Sahal Motiwala

Anjum Kari Datt Patel

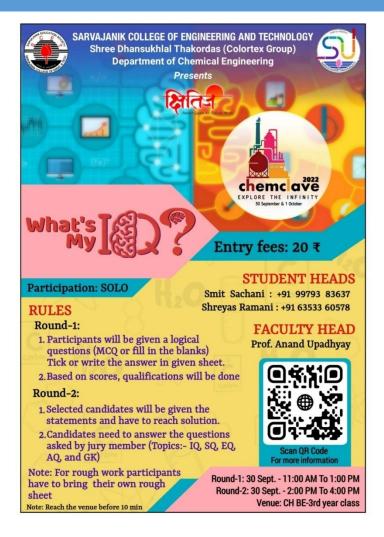
Total No. of Participants: 110 (22 Teams)

Winners:

Sr.No	NAME OF PARTICIPANTS	
1.	Mission Sojitra, Jeel Kotadiya, Fenil Lathiya & Avi Dholaria	Winner







The semi technical event "WHAT'S MY IQ" was organised at Chemical engineering department- SCET, Surat on 30th September under the banner of kshitij in techfest chemclave-2022. The total number of participants in this particular event was 232.

The event consisted 2rounds in which 1st round was logical quiz(LOGIC RIDDLE). 1st round was started at 11:00 am in classroom of J202 & J204. There were around 180 participants present during round 1st round of event. The first round paper was consisting the question of Aptitude, logical reasoning, Puzzles,etc. The paper 1 was of 40 marks (+2 marks for correct answer and -1 deduction for wrong answer). Out 180 participants, Top 10 participants were selected for next round.

The second round was held at 2 pm on same day. Based on the top scorer 10 participants were called for second round. In second round participants were given 10 different set of paper and questions were based on general topics like put your thoughts on given topic, riddle, argument type questions. In this round we called jury Prof. Babita kar. The judgement was done on the basis of the following parameters :personality, deep thinking ability, the way of explanation. Every participant try to give their best performance in this round. Finally the jury and our faculty co-ordinator selected the winners of the event.

Event details:

Faculty co-ordinator: Prof. Anand Upadhyay

Event Heads:

Volunteers:

Smit Sachani (Chemical -4th year) Shreyas Ramani (Chemical -2nd year) Vanshil Kalathiya (Chemical -2nd year) Yash Doctor (Chemical -2nd year) Meet Shah (Chemical -2nd year)

Total No. of Participants: 180

Winners:

Sr.No	NAME OF PARTICIPANTS	
1.	Disha Ratanpara (Chemical -2nd year)	Winner
2.	Pragnesh Padsala (Chemical -4th year)	1 st Runner up
3.	Krushil Patel (Chemical-4th year)	2 nd Runner up













Acknowledgment

Finally the event came to an end with a concluding remark by Dr. Vaishali Umrigar, Head, Chemical Engineering Department, SCET in which she appreciated the efforts put in by Coordinator, Co-coordinators, 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 Sarvajanik Education Society and Sarvajanik College of Engineering & Technology for providing the necessary infrastructure for conducting this event.

We also thank to Dr Hiren Patel, Principal, SCET and Dr. Keyur Rana, Dean-SAWC, SCET for their guidance and motivation in organizing CHEMCLAVE-2022 under annual techfest KSHITIJ-2022.

We would like to thank the sponsors of the event M/s System Engitech pvt. Ltd. And Spray Drying And Chemicals Pvt Ltd for providing the technical and financial support of the event "Industry Defined Problem" in CHEMCLAVE2022. We would also like to thank M/s Techcult Engineering pvt. Ltd. for the financial support for the events of CHEMCLAVE2022.

SPONSORS





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