

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

STUDENT CHAPTER

ANNUAL REPORT

INTRODUCTION:

AICHE is a professional organization for chemical engineers. It was established to distinguish the chemical engineering as a profession independent of chemists and mechanical engineers. Student chapters at various universities around the world have been established throughout its history.

The student chapters tend to focus on providing networking opportunities in both academia and in industry as well as increasing student involvement locally and nationally. As of 2013, AIChE had over 45,000 members from over 100 countries.

Thapar University officially achieved Student Chapter status in The American Institute of Chemical Engineers on May 2015.

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THAPAR STUDENT CHAPTER:

Thapar University Student Chapter is also among the various other chapters in the universities around the world. We being its part, organize the technical events in our university. Our student chapter is also working to participate in the Chem-e-Car competition series. Various guest lectures, workshops and technical events are also held in the university organized whole by this technical society. Photos of all the events have been attached with their respective events.

TEAM MEMBERS:

- Dr. Rajeev Mehta(President)
- Lovnish Gupta(General secretary)
- Sushant Makkad(Finance secretary)
- Bhavya Gupta(Executive member)

- Sunidhi Gupta(Executive member)
- Tarun Jain(Executive member)
- Nishant Kakkar(Executive member)
- Shubham Goyal(Executive member)
- Palak(Executive member)
- Manmeet Singh(Executive member)
- Ajay Malav(Executive member)
- Atish Khandelwal(Executive member)
- Rakshak Sehgal(Executive member)
- Harsimran(Executive member)
- Adesh Deol(Executive member)
- Amulya Aggarwalemember)
- Devika Sood(Member)
- Meenu Saini(Member)
- Rajat Khatri(Member)
- Shivam Tayal(Member)
- Aman Arora(Member)
- Aayushi Aggarwal(Member)
- Yamini(Member)
- Vaishali Jain(Member)

SOCIETY FAIR:

Society fair is an event that is organised in the Frosh Week. It is organised for the fresher class of Thapar University to ease them into the new surroundings. The freshers get to know about the societies, groups in the university. They can get themselves registered for the societies they are interested in.

The recruitments were done on 1st September,2017.Many new talented minds with innovative ideas joined the prestigious student chapter!

CHEMOPOLY:

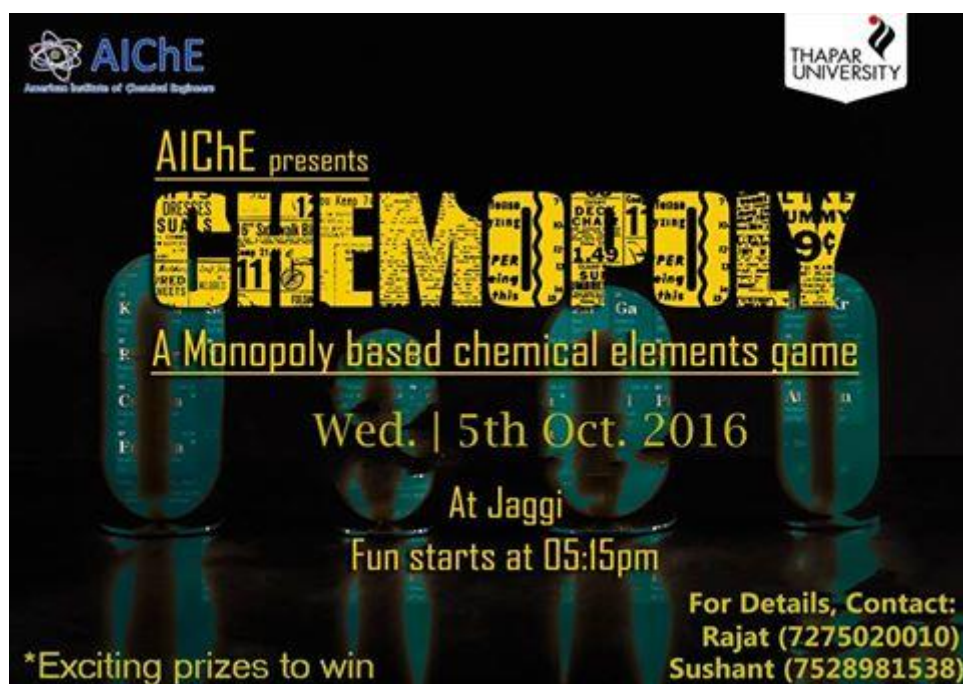


Fig.1 Poster of the first event “Chemopoly”

AIChE organized the fun-filled “technical” event- “Chemopoly” in Thapar University on The students gave very good response to our event. They actively participated in this event.

Chemopoly is a “monopoly based chemical elements game”. Through this educational and fun game, players got to know about the certain chemical and physical properties of some important elements, or we can say they got the chance to revise the properties. The game which made the students realise how much knowledge of chemistry they have retained so far. Players had to follow certain rules to play, which are discussed in the section below. They were asked to tell the properties of the elements and on some sections of game, they were asked some basic questions about chemistry also.

ABOUT THE EVENT:

The game was played on the flex. Treasure cards, money cards used in other monopoly games and two dices were also used.

Every round in the game lasted for 20 minutes. 4 teams competed against each other for 1 round. Each team had 2 members.

RULES OF THE GAME:

How did the game go? All of teams were given monopoly money cards worth Rs. 1000 initially. First team was asked to roll the dice. They had to tell 3 properties of whatever

element they landed on. They were given Rs. 200 if they told all the 3 properties correctly. Otherwise! No money for them.



Fig.2 Chemopoly flex on which the game was played

If next team landed on the same element as that of previous, they had to give Rs. 300 to that team as a penalty.

If any team landed on tax, they had to roll the dice again and had to give the money 50 times the number on dice.

If any team landed on treasure chest, they were asked three questions from one treasure cards among others. Each treasure card was credited different amount of money. If they answered all 3 questions correctly, they would get the money for that treasure card chosen. If one question was answered correctly then they were given one-third of money and if two answers were given correctly then they got two-third of the money. The questions for treasure were a bit difficult than others.

If any team landed on chance, they had to again answer the question, if answered right they would get a chance of escaping from hydrogen sulphide tube which is kind of a jail in this game. If they gave wrong answer, they had to give Rs. 250 as the penalty. Some of the questions asked were- the formula of slaked lime, the water of crystallization in gypsum, formula of tear gas and many other like questions.

If the team landed on hydrogen sulphide tube, they could only get out of it if they earlier had answered the question correctly when given the chance or they were asked to roll the dice again and sum total of odd number only could get them out of the tube. Otherwise, they could move only when all other teams had got their turns twice.

And finally, the team with the highest amount at the end won the game. The winning team was given the chocolates.

The students of all branches actively participated in this game and this was actually the triumph for us to hold the event suitable for students of all branches.

Overall, for all the players and the members of AIChE team, this was one of the best informals held by our team.

CHEM-E-CAR:

AIChE's annual Chem-e-Car competition engages college students in designing and constructing a car powered by a chemical energy source, that will safely carry a specified load over a given distance and stop.

Thapar Student Chapter also organized this competition. It was conducted on 1st February, 2017.

The competition consisted of two stages. In first stage, the participants had to give the presentations on the design, prototype of their chem-e-car. They had to present what their chem-e-car is all about. 8 teams participated in the competition. Each team consisted of 4-5 members. Out of 8 teams, only 2 teams were selected for second stage. In second stage, the teams had to come up with their prototypes. The model of their chem-e-car had to be presented in front of the judges.

INDUSTRIAL TOUR

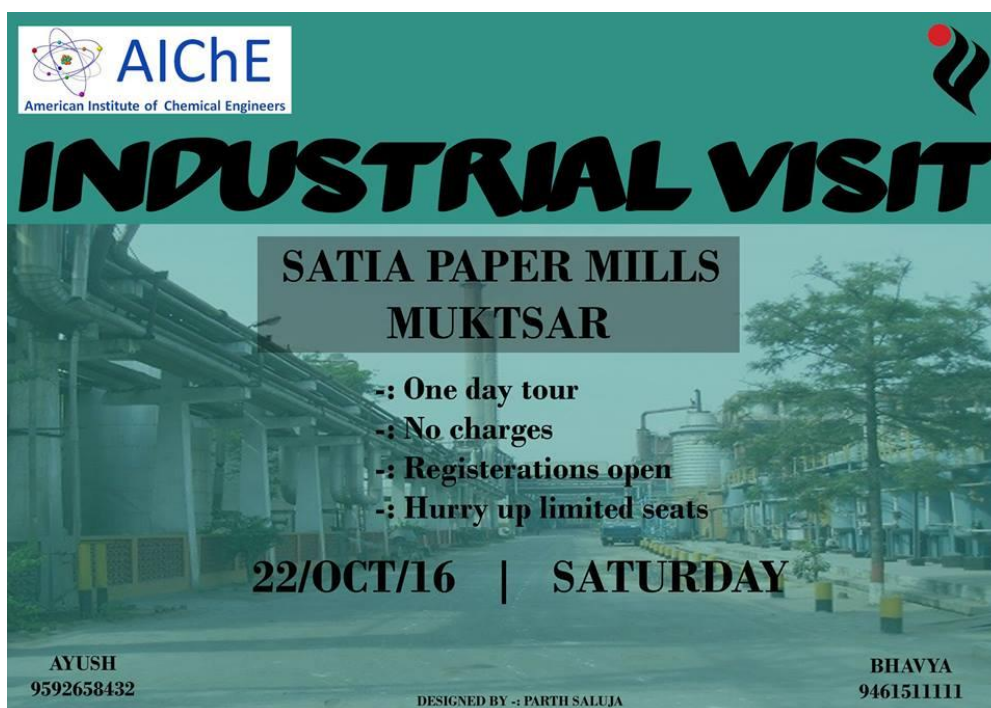


Fig.3 Poster of the industrial trip to Satia Paper Mills organized by AIChE

An Industrial Trip to Satia Paper Mills, Muktsar was organised by AICHE. There was a great response from students. Ninety students registered for the same, but the forty early birds got the opportunity to visit the industry and get well versed with the same. The trip was highly

informative. The tour was free of cost, including two meals and transport service. It was a good exposure for the second year students and a healthy interaction of the juniors and the seniors.