

# **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. The photos of all the events have been attached with their respective events.

## **TEAM MEMBERS:**

- Dr. Rajeev Mehta(President)
- Manujdeep Singh(General secretary)
- Shubham Jindal(Finance secretary)
- Kajal Misra(Executive member)
- Garima Roy Vaid(Executive member)
- Tijil Gakhar(Executive member)
- Sandiksha Chabra(Executive member)
- Puneet Verma(Executive member)
- Aakash Sangal(Executive member)
- Rishav Garg(Executive member)
- Ajay Malav(Executive member)
- Ankush Chopra(Executive member)
- Ravneet Singh(Executive member)
- Harsimran(Executive member)
- Adesh Deol(Executive member)
- Shweta Sharma(Member)
- Lovnish Gupta(Member)
- Mihir(Member)
- Rajat Khatri(Member)
- Sakshi(Member)
- Shubham Goyal(Member)
- Sushant Makkad(Member)
- Yamini(Member)
- Vartika Batra(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.

AIChE registered 90 students that day and after the further selections and interviews, only 15 students were welcomed by this student chapter.

## CHEMOPOLY:

AIChE organized the fun-filled “technical” event- “Chemopoly” in Thapar University on 18 and 19 Nov, 2015. The students gave very good response to our event. They actively participated in this event.



Fig.1 Poster of the first event “Chemopoly”

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. 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.

### **GUEST LECTURE:**

AIChE organized the motivational session about the placements that every third year student starts preparing for. The session was held on 3<sup>rd</sup> March, 2016. The lecture was delivered by our honorable guest, a pilot turned motivational speaker, Parth Ashok Narang.



Fig.3 Poster of guest lecture by 'Mr. Parth Ashok Narang' organized by AICHe

Mr. Narang gave a lot information about the placement. Also, he told us about what our interviewers expect from us. What points should we include in our resumes and what should be omitted out.

It was a very informative lecture for third year students. The session was quite interactive. Not only third year students, but first and second year students were also present.



Fig.4 Students attending the guest lecture

The refreshments were given to all attendees and we awarded Mr. Parth Ashok Narang with a trophy. Dr. Rajeev Mehta, the president of AICHe honored him with the trophy.



Fig.5 President of AIChE student chapter, Dr. Rajeev Mehta awarding memento to the guest lecturer Mr. Parth Ashok Narang

His motivational speech benefitted around 50 students.

Overall, Thapar Student Chapter worked hard this year to hold these events and is all ready to work more in future and organize more fun filled and technical events in Thapar University.

Manujdeep Singh

General Secretary