



# AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

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## 18<sup>th</sup> AISSMS Engineering Today-2023 14<sup>th</sup> to 15<sup>th</sup> September 2023

### Department of Chemical Engineering

A brief inaugural ceremony of Engineering Today – 2023 “CHEMIXIR” was performed in the Department of Chemical Engineering in presence of HOD Dr. M. Y. Naniwadekar, Dept. ET coordinator Dr. M. Baingne, and other faculty members on 14<sup>th</sup> September 2023 at 11:00 AM. The events “War of Titrants” and “Radium Cricket” were started on Day-1 (i.e. 14<sup>th</sup> September 2023). The event “Shark Tank” was organized on Day-2. A glimpse of the inaugural ceremony is presented here:



Inauguration of event: War of Titrants



Inauguration of event: Radium Cricket

We sincerely thank our sponsors: Asian Academy of Professional Training India Pvt Ltd Pune, Universal Technologies and Enterprises, and, Ace Power Works.

The following events were conducted after the conclusion of inaugural ceremony:

**Name of the Event: CH1: WAR OF 'TITRANTS'**

**Organized by: AISSMS College of Engineering Pune, Department of Chemical Engineering**

**Date:** 14<sup>th</sup> September 2023

**Time:** 11.30 AM to 5.00 PM

**Venue:** Round-1: Computer lab of Chemical Engineering

Round-2: Chemistry lab (Room 302)

**No. of Participants:** 78

**State level:** 0

**National Level:** 0

**Participants from Pune:** 08

**Participants from AISSMS:** 70

**Student Co-Coordinator:** Dnyaneshwar Nikam and Kanak Oswal

**Faculty Co-Ordinators:** Ms. B. Banerjee

**Judges for the Event:** Mr. P. D. Baviskar

**Detail report of Event:**

On the occasion of yearly technical festival 'AISSMS Engineering Today-2023' in AISSMS COE, the Department of Chemical Engineering along with IChE AISSMS team organized the event 'WAR OF TITRANTS' on 14th September 2023. The whole event was organized under the IChE Student Chapter. Round-1 of the event was 'Quiz Competition' held at 11:30 am. The quiz competition comprised of multiple-choice questions from Chemical Engineering, as well as aptitude. Faculty Coordinator Ms. B. Banerjee gave instructions to the participants. The time limit of 45 minutes had been fixed for Round-1. This round was successfully completed with good co-ordination of the volunteers. After the evaluation and selection process, the Round-2 of the event i.e., titration competition was held in Chemistry Laboratory of Chemical Engineering (Room 302) at 4:00 pm. In this round, participants were asked to determine normality and molarity of a solution by performing acid-base titration with the help of indicators. Criteria for the selection of the winner was: values of normality and molarity of a solution must be accurate up to the 2% error. This round was completed with a good impact under surveillance of volunteers. The winners of this competition were declared by the evaluation and selection process under the surveillance of Mr. P. D. Baviskar on 15<sup>th</sup> September 2023. We sincerely thank Universal Technologies and Enterprises for sponsoring this event.

## Outcome of the Event:

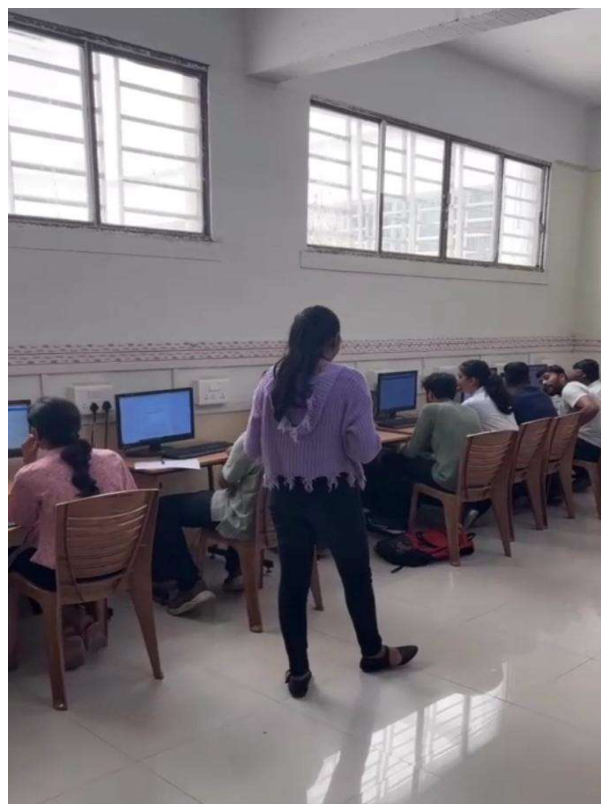
- Participants were able to boost and test their knowledge of fundamentals in Chemical Engineering and general aptitude.
- Participants were able to testify their experimental skills, follow lab safety instructions and practice proper lab behaviour.

## Glimpses of Event :

### Round-1 : Quiz competition

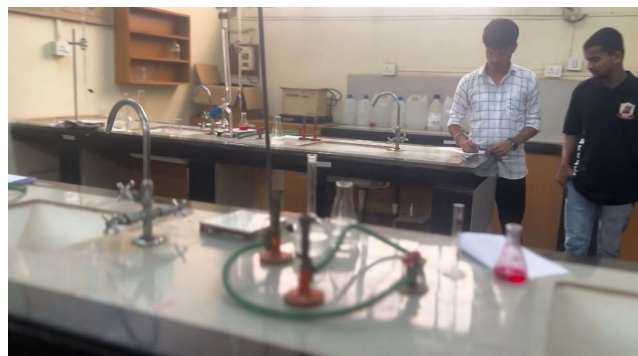


Participants appearing for Round-1: Quiz



Participants appearing for Round-1: Quiz

### Round-2 : Titration competition



<b>Name of the Event: CH2: SHARK TANK</b>
<b>Organised by: AISSMS College of Engineering Pune, Department of Chemical Engineering</b>
<b>Date:</b> 15 <sup>th</sup> September 2023
<b>Time:</b> 10.00 AM to 3.00 PM
<b>Venue:</b> Round-1: Online
Round-2: Room 306
<b>No. of Participants:</b> 34
<b>State level:</b> 0
<b>National Level:</b> 0
<b>Participants from Pune:</b> 16
<b>Participants from AISSMS:</b> 18
<b>Student Co-Coordinator:</b> Om Avhad & Huda Sayyed
<b>Faculty Co-Ordinators:</b> Prof. P. M. Warke
<b>Judges for the Event:</b> (1) Mr. Padmanabh Alhat (Kulkarni), Director, Chemsol Polymer Pvt. Ltd., Jejuri, Pune and Dubai, (2) Mr. Kiran Nawathe, Director, Auto cluster, Chinchwad, (3) Mr. Atharva Ulangwar, Co-founder, WinOne Product Technologies Pvt Ltd.
<b>Detail report of Event:</b>
Inspired by the business reality television series “Shark Tank”, Department of Chemical Engineering along with AIChE Student Chapter organized a similar event, a kind of mini Shark Tank under Engineering Today-2023 ‘CHEMIXIR’. The event is based on the following concept: Aspiring entrepreneurs pitch their business models to a panel of investors and persuade them to invest money in their idea. Even today, a number of problems exist which are needed to be solved. The key factors to become a successful entrepreneur are: (a) the choice of problem the entrepreneur picks or targets, (b) the feasibility and stability of the solution he/she provides. Total 34 participants from various Engineering Colleges participated in the event. Through this event, participants got an opportunity to showcase and present their business ideas and innovation in front of judges. Participants learnt the importance of effective communication and delivery. Judges’ comments (or queries) compelled the participants to carry out a 360° analysis of their business model. Dr. M. Y. Naniwadekar (Head, Department Chemical Engineering, AISSMS COE, Pune) welcomed and felicitated the judges for the event. Prof. P. M. Warke, faculty coordinator of this particular event, expressed Vote of Thanks on behalf of Department of Chemical Engineering, AISSMS COE, Pune. On behalf of AIChE Students Chapter “Chemical Engineering”, organizers are grateful to the guest judges for



the event, Mr. Padmanabh Alhat (Kulkarni), Mr. Kiran Nawathe, and Mr. Atharva Ulangwar for spending valuable time from their busy schedule & assisting the participants with their expert advice, comments and suggestions.

### Outcome of the Event:

- Participants learnt the importance of communicating ideas effectively.
- Judges' comments helped the participants to analyse their business model in a wider perspective.

### Glimpses of Event :



Dr. M. Y. Naniwadekar (HOD, Chemical Engg., AISSMS COE, Pune) felicitating one of the judges



Dr. M. Baingne (Department ET coordinator) felicitating one of the judges



Entrepreneurs presenting their business model before Judges



Entrepreneurs presenting their business model before Judges

**Name of the Event: CH3: RADIUM CRICKET**

**Organised by: AISSMS College of Engineering Pune, Department of Chemical Engineering**

**Date:** 14<sup>th</sup> to 15<sup>th</sup> September 2023

**Time:** 10.00 AM to 5.00 PM

**Venue:** Room No. 324

**No. of Participants:** 42 Teams (252 members)

**State level:** 0

**National Level:** 0

**Participants from Pune:** 1 Team (6 members)

**Participants from AISSMS:** 41 Teams (246 members)

**Student Co-Coordinator:** Akash Bagal & Abhijeet Shitole

**Faculty Co-Ordinators:** Dr. A. V. Mohod

**Judges for the Event:** NA

**Detail report of Event:**

Department of Chemical Engineering organized a non-technical event Box Cricket in “Chemixir 2022” under the umbrella of 17<sup>th</sup> AISSMS Engineering Today. Box cricket or indoor cricket is a variant of *cricket* that shares many basic concepts with the original game but with added enhancements to improve the engagement and enjoyment of casual players. Different variants exist within box cricket based on the abilities and availability of players for the match. Several *versions of the game* have been in existence since the late 1960s, and like *conventional cricket*, the indoor version involves two batsmen, a bowler and a team of fielders. The bowler bowls the ball to the *batsmen* who must score runs. The team with the highest score at the end of the match wins.

Despite these basic similarities, radium cricket differs significantly from its traditional counterpart in several ways, most notably on the field of play and the means by which runs are obtained. **The following are some of the rules involved in Radium Cricket and the reasoning behind them.**

- **6 players** in one team.
- Each match will be of 4 overs.

- **Underarm bowling is compulsory.**
- The ball should be pitched beyond the **no-ball line**, otherwise, it will be called no-ball.
- Bowler has to ball within the given box i.e. **bowling crease**.
- Any deviation from the above rules will be **“No Ball”**.
- Usual No ball, Wide ball, Byes and Overthrow will be applicable.
- Sidearm bowling is **not allowed**.

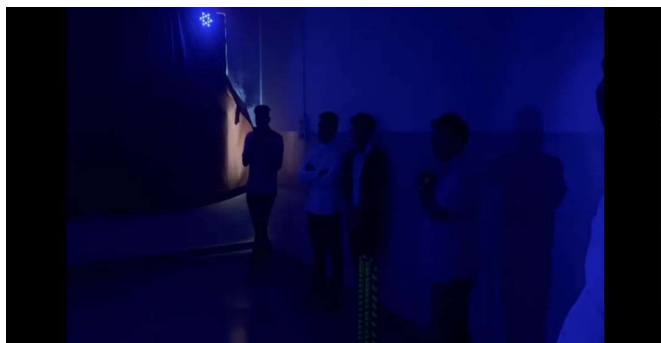
#### Mode of dismissals:

- Ball going directly over the provided line of the box will be out if it doesn't bounce inside the box even if it is a No ball.
- Stumps bowled by the bowler.
- Ball in the air Caught out by the fielding team.
- On-strike batsman can be stumped out by wicket-keeper.
- Either batsman can be run out by the fielding team.
- Stumping on no-ball will not be considered.
- If the keeper collects ball before it passes the stumps for stumping, then stumping will not be valid.
- Umpire's decision will be binding and final. No argument will be entertained with the umpire.

#### Outcome of the Event:

- Students were able to show their sports skills and team work.
- The event was intended to spread awareness regarding the importance of physical activity and fitness.

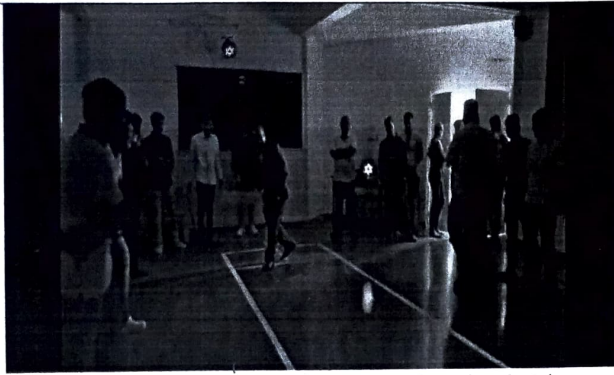
#### Glimpses of Event :



Our Faculty Dr. A. V. Mohod Bowling From End



Player Going For Single Run



Our HOD, Dr. M. Y. Naniwadekar showing batting skills



Our Faculty Mr. P. S. Tadkar Bowling From End

*M. Baingne*

Dr. M. Baingne  
(Faculty Coordinator)

*M. Y. Naniwadekar*

Dr. M. Y. Naniwadekar  
(Head, Department of Chemical Engg.)

**Head**  
Deptt. of Chemical Engg  
AISSMS, COE, Pune-1

*N. P. Mawale*

N. P. Mawale  
(Central ET Coordinator)



*D. S. Bormane*

Dr. D. S. Bormane  
(Principal, AISSMS COE)