

TATVA DTU

ANNUAL REPORT 2022-23

OVERVIEW

Tatva DTU, the Society of Chemical Engineers, is a student-run organization that aims to promote interest and awareness in the field of chemical engineering among students at DTU College. Over the past year, we have successfully organized a range of events and activities for our members, including workshops, seminars, and industrial visits.

GOALS AND OBJECTIVE

The goal objectives of Tatva DTU are:

- 1)To promote interest and awareness in the field of chemical engineering among students at DTU College.
- 2)To organize various events and activities, including workshops, seminars, for the members of the society.
- 3)To provide a platform for students to showcase their innovative ideas and creative thinking.
- 4)To provide practical knowledge and experience in the field of chemical engineering through workshops and industrial visits.
- 5)To organize Invictus, the annual technical fest, and make it a successful event with participation from various colleges and universities across the country.
- 6)To organize seminars on various topics related to chemical engineering and invite industry experts to share their knowledge and experience.

7)To build a strong network of students and professionals in the field of chemical engineering.

8)To contribute to the society by promoting sustainable practices in chemical engineering.



TATVA COUNCIL 2022-23:

President	Shruti Katariya
Vice President	Hariom
General Secretary	Siddhant Vijay
Treasurer	Aakash
Joint secretary	Pragya Pandey
Joint Treasurer	Utkarsh
Corporate Head	Md. Badshah Vatsal
Publicity Head	Manisha Gautam Shiv
Logistics Head	Tushar Md. Faizi
Event Management Head	Ananya Yogender Afeef
PR Head	Ankur Kumar
Design Head	Bhavya Sharma Vasudev
Editor in chief	Ankit Srivastava

EVENTS AND ACTIVITIES PLANNED FOR AY 2022-23

- 1) Orientation of Junior batches
- 2) Invictus Events : a) Detective Mendeleev
b) Aqua Combat
- 3) Seminar
- 4) Paper presentations
- 5) Chemistry quiz



1) ORIENTATION OF JUNIORS:

Tatva DTU conducts an orientation program for junior students every year to introduce them to the society's activities, events, and goals. The orientation program is designed to help the junior students get a better understanding of the field of chemical engineering and how Tatva DTU can help them in their academic and professional growth.

The orientation program includes a presentation by the senior members of the society, who introduce the various activities and events organized by the society. They also share their experiences and provide tips to the junior students on how to make the most out of their time in the society.



2) DETECTIVE MENDELEEV :

We organized an exciting event called "Detective Mendeleev" as a part of Invictus 2023, the annual technical fest. The event was held on the first day of the fest and was a huge success, with enthusiastic participation from students from different colleges and universities.



The event was based on the theme of "Chemical Sleuthing," and the teams had to solve various hints and puzzles related to chemistry to reach the final answer. The event was designed to test the participants' knowledge and creativity in the field of chemical engineering and to encourage teamwork and collaboration.

The event started with a brief introduction by us, who explained the rules and objectives of the event. The teams were then given a set of hints and puzzles, which they had to solve within a given time limit. The hints and puzzles were related to various topics in chemistry, such as chemical reactions, chemical formulas, and chemical properties.

The teams worked together to decode the hints and solve the puzzles. They used their knowledge of chemistry and creative thinking to come up with solutions. We provided assistance and guidance to the teams as required.

After the given time limit, the teams submitted their final answers, and we evaluated the submissions. The team that gave the correct answer in the shortest time was declared the winner.



3) AQUA COMBAT

On the second day of Invictus 2023 we organized an exciting event called "Aquacombat". This event was unique and exciting as it involved the application of chemical reactions in a water-based combat game.

The participants were divided into teams, and each team was given a water gun and a butter paper ring tied on their head. The objective of the game was to shoot the other team's butter paper ring off the head of the participants using the water gun. However, the catch was that the water in the gun was mixed with different chemicals, which produced various reactions on coming in contact with the butter paper ring.

The teams had to use their knowledge of chemical reactions to choose the right mixture of chemicals that would make the water more effective in shooting the opponent's butter paper ring off their head. They had to strategize and use their creativity to come up with the best mixture of chemicals that would give them an edge over their opponents.



4) SEMINAR

A seminar was conducted for the second and first-year students to introduce them to the world of Chemical Engineering. The seminar aimed at providing the students with an overview of the discipline, its various subfields, and the opportunities available in the industry.

It started with an introduction to Chemical Engineering, its history, and its importance in various industries, then went on to talk about the different subfields of Chemical Engineering, such as process design, materials science, and biomolecular engineering. We explained the principles, concepts, and applications of each subfield and highlighted the current research and development in each area.

We also shared our personal experiences and the various career paths available in the field of Chemical Engineering. We talked about the various job opportunities in industries such as pharmaceuticals, oil and gas, food and beverages, and materials science.

5) PAPER PRESENTATION

We organized a paper presentation event where students had the opportunity to present their research papers to the faculty members. The event was a great platform for us to showcase their hard work and present our findings to a knowledgeable audience.



The paper presentation event was a great learning experience as it allowed students to receive feedback on their research and improve their presentation skills. It also gave them the opportunity to learn about the research work of their peers and gain insights into the various research areas in Chemical Engineering.

6) CHEMISTRY QUIZ

Recently, a chemistry quiz was conducted that tested participants' knowledge of various chemical concepts. The quiz consisted of multiple-choice questions and short answer questions covering topics such as chemical reactions, periodic trends, and chemical bonding.

Participants were given a set amount of time to complete the quiz, which was designed to challenge their understanding of chemistry principles. The questions ranged in difficulty, with some requiring simple recall of information and others requiring more in-depth analysis and problem-solving skills.

CONTACT DETAILS

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