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Department of Chemistry

CLUB ACTIVITY 'CHEM LIFE' - "FROM MOLECULES TO MACHINES"

The Departmental Club of the Chemistry Department 'Chem Life' organised a Club activity on "From Molecules to Machines" on 2nd June 2026, in Room No. 314. The event started at 2:00 PM and ended at 4:00 PM. Students found the event very interesting, interactive, and beneficial, and actively participated in this Club activity.

"From Molecules to Machines" is an interdisciplinary chemistry club event designed for first-year engineering students of CSE and allied branches. The event encourages students to explore and showcase how fundamental chemical principles enable modern technologies that power machines, devices, and digital infrastructure. Participants expressed their understanding through short (2–3 minutes) informative videos on topics that illustrate the intersection of chemistry and technology. The activity emphasises creativity, conceptual clarity, and effective integration of chemistry with engineering applications. The event aims to make chemistry relevant, visual, and application-oriented — helping students appreciate its role beyond the laboratory while enhancing scientific communication and interdisciplinary thinking skills.

Round 1: Concept Screening

Participants submitted a short abstract or concept note of 150–200 words outlining their chosen topic and its connection to chemical principles and real-world technology.

Round 2: Video Presentation & Q&A

Teams presented a short video of approximately 2–3 minutes, followed by a brief question-and-answer session. Presentations were evaluated on the ability to communicate complex chemistry concepts in a clear, creative, and engaging manner.

Thirteen teams participated in the event, covering a diverse range of topics at the intersection of chemistry and technology:

Sl. No.	Topic Presented
1	Corrosion in Bridges
2	Display Systems
3	Nanoparticles in Cancer Treatment
4	Nanobots
5	Chemistry Behind Fingerprint Sensors in Displays

Through this activity, participants were able to:

- Understand the real-world relevance of chemistry in engineering and technology
- Develop scientific communication skills through a video presentation
- Foster interdisciplinary thinking by connecting chemistry concepts to devices and systems
- Enhance teamwork, research, and creative skills in an academic setting
- Gain exposure to emerging fields such as nanotechnology, materials science, and sensor technology

Fig. 1: Students attending the presentation session — Round 2 Video Presentation (Polymers topic on screen)

Fig. 2: Participants gathered for the chemistry club event at MVJ College of Engineering

The "From Molecules to Machines" club activity was a resounding success, drawing enthusiastic participation from 13 teams across CSE and allied branches. Students demonstrated a commendable understanding of how chemistry underpins modern technology — from nanoparticles in medicine to display systems and corrosion in infrastructure. The event successfully bridged the gap between fundamental chemistry and its engineering applications, inspiring students to approach their studies with a more integrated, interdisciplinary perspective. The Department of Chemistry at MVJ College of Engineering looks forward to organising more such engaging and application-oriented activities in future semesters.