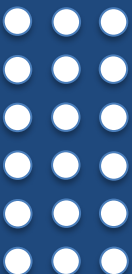




2024 ANNUAL EVENT REPORT

Indian Institute of Chemical Engineers
TKMCE Student Chapter



**INDIAN INSTITUTE OF CHEMICAL ENGINEERS
(IIChE)
TKMCE STUDENT CHAPTER**

**Annual Event Report for the
Academic Year 2023-2024**

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Torch Bearers for the Academic Year 2023-2024

FACULTY IN CHARGE: Dr. Femina A

SECRETARY: Jeevandersh S

JOINT SECRETARY: Anugrah James

TREASURER: Tony V Morris

4TH YEAR REPRESENTATIVES: Tijo Thomas & Nandana T O

3RD YEAR REPRESENTATIVES: Sharon Mathew Sam & Sreevidya V

2ND YEAR REPRESENTATIVES: Muhammed Saad & Heloise Jose

1ST YEAR REPRESENTATIVES: Nafih Koya V M & Angel Eby

CHEMPHORIA: Magazine – 2024 Edition

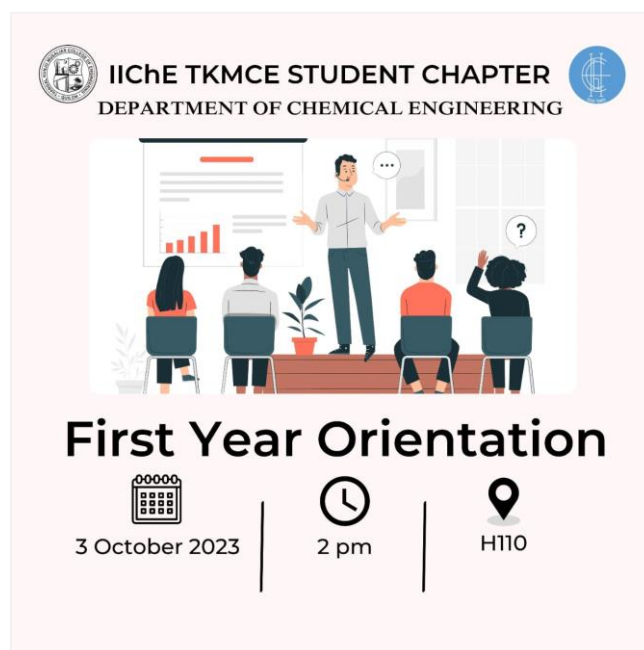
■ As the complexities of modern life generate unprecedented amounts of waste, the necessity for innovative and efficient waste management strategies has never been greater. Our magazine delves into the multifaceted world of waste management, offering readers comprehensive coverage on a range of crucial topics.



We explore the critical areas of solid waste management, highlighting strategies to reduce, reuse, and recycle materials to mitigate environmental impact. Our in-depth articles on liquid waste treatment focus on advanced methodologies to purify and repurpose wastewater, safeguarding our precious water resources. Landfill management is another cornerstone of this issue, where we examine the latest techniques in optimising landfill operations to minimise their footprint and environmental consequences. Additionally, we delve into the burgeoning field of electrochemical waste treatment, showcasing innovative technologies that offer promising solutions for converting waste into valuable resources.

Beyond the technical aspects, **CHEMPHORIA** brings you inspiring success stories from around the globe. These case studies demonstrate the tangible benefits and transformative impact of effective waste management practices, providing a roadmap for communities and industries striving to achieve sustainability.

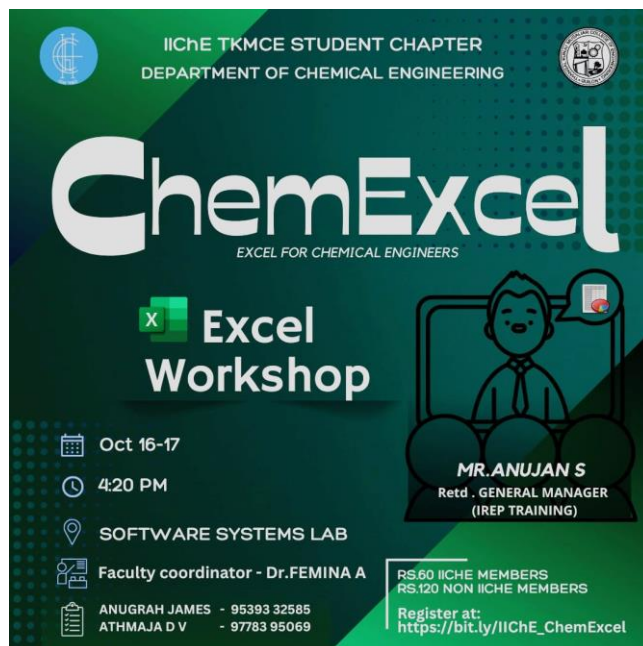
IChE First Year Orientation



The Indian Institute of Chemical Engineers TKMCE Student Chapter organized an orientation program for first-year students on the 3rd of October 2023 in the first-year classroom (H110) of the Chemical Engineering Department. The primary objectives of the orientation were to acquaint attendees with IChE, provide an overview of the chemical engineering curriculum, and elucidate the various opportunities presented by the chapter. A comprehensive presentation highlighted the activities, workshops, and upcoming events organized by the IChE Student Chapter, underscoring the significance of active participation.

The session included brief introductions from the Faculty Coordinator, Chapter Secretary, Joint Secretary, and year representatives, who provided insights into IChE. The selection of first-year representatives took place subsequent to the orientation program. The session also focused on elucidating the importance of IChE membership and its enduring benefits for aspiring chemical engineering professionals. Commencing at 2:00 pm and concluding at 2:30 pm, the orientation laid the foundation for the IChE Student Chapter's successful initiation, fostering an environment conducive to collaboration, learning, and growth for first-year students.

ChemExcel: Excel Workshop for Chemical Engineers



IICHe TKMCE organised a comprehensive two-day offline workshop titled "ChemExcel" exclusively for chemical engineering students of TKM College of Engineering on October 16th and 17th, 2024. This workshop, facilitated by Mr. Anujan S, retired GM (IREP Training) from BPCL, aimed to enhance the proficiency of participants in utilising Excel, a vital tool in the realm of chemical engineering.

The first day of the workshop delved into the fundamental aspects of Excel, offering participants a solid foundation in its functionalities. Through hands-on sessions and interactive discussions, attendees gained valuable insights aimed at empowering them to excel in their academic and professional endeavours within the chemical engineering domain.

On the second day, the workshop delved deeper into the specific applications of Excel tailored for chemical engineers. This session provided attendees with practical skills and knowledge essential for leveraging Excel effectively in their future projects and endeavours.

The event received an overwhelming response, with active participation from approximately 88 students representing the Department of Chemical Engineering. The enthusiastic engagement of participants and the positive feedback received underscored the success of the workshop in fulfilling its objectives of empowering chemical engineering students with Excel proficiency and practical insights relevant to their field.

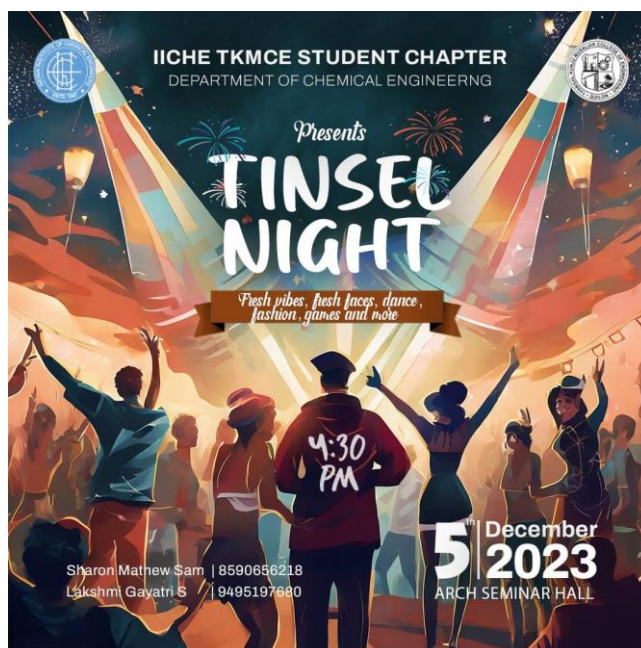
Essay Writing Competition



IIChe TKMCE hosted a thought-provoking online essay writing competition themed around the "Impact of Modern Warfare on the Immediate and Extended Environment" from November 13th to 18th, 2023. The event, open to undergraduate students from all colleges and disciplines, aimed to stimulate critical discourse and reflection on the profound consequences of contemporary conflicts on both the local and global ecosystems. With 15 enthusiastic participants engaging in the competition, a diverse array of perspectives and insights were brought to the forefront, reflecting the interdisciplinary nature of the topic and the breadth of knowledge among the student community.

Throughout the competition duration, participants delved deep into the complexities of modern warfare, exploring its multifaceted impacts on environmental sustainability, human well-being, and global security. Entries showcased rigorous research, analytical prowess, and eloquent articulation, underscoring the intellectual acumen and passion of the young scholars. The competition not only provided a platform for students to express their views but also fostered a spirit of collaboration and mutual learning as they engaged in constructive dialogue and exchanged ideas. Overall, the event proved to be a resounding success, exemplifying the power of academia to address pressing societal issues and inspire positive change through informed discourse and critical thinking.

Tinsel Night

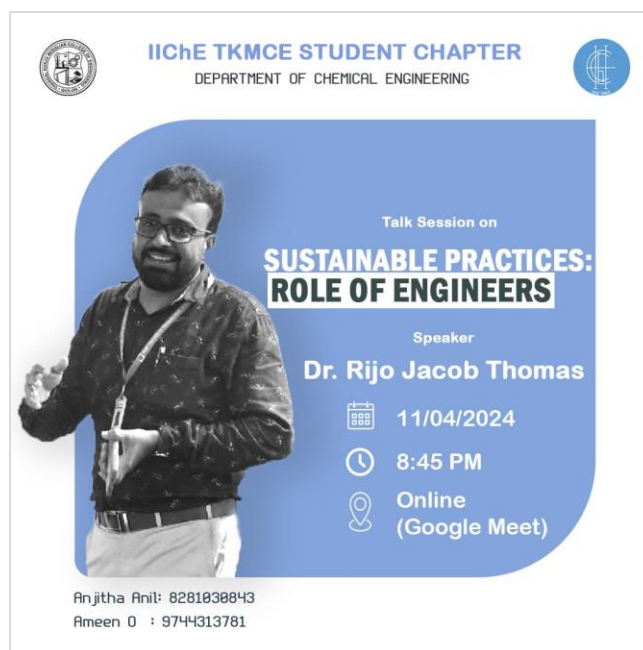


IICHe TKMCE conducted an informal event “Tinsel Night” on 05/12/2023. The essence of "Tinsel Night" radiated inclusivity, welcoming all students of the chemical department to partake in its vibrant festivities. The overarching objective of this informal rendezvous was to foster stronger bonds among students, thereby nurturing a cohesive and supportive student body poised for academic excellence. To this end, a tapestry of interactive activities was thoughtfully curated, each designed to promote mutual communication, collaboration, and camaraderie among attendees.

The evening unfolded with an array of spirited ice-breaking activities, seamlessly weaving together laughter and light-hearted banter. From engaging games that encouraged teamwork to thought-provoking discussions that kindled intellectual exchange, every facet of "Tinsel Night" served as a catalyst for forging enduring connections and nurturing a sense of belonging within the student community.

Amidst the backdrop of animated conversations and shared laughter, the spirit of camaraderie flourished, laying a foundation for enhanced collaboration and peer support within the chemical department. As the event drew to a close, the echoes of shared laughter and newfound friendships lingered, leaving an indelible imprint of warmth and camaraderie that would continue to enrich the fabric of student life at IICHe TKMCE.

Sustainable Practices: Role Of Engineers



The talk session conducted by IIChe TKMCE SC on sustainability practices and the role of engineers, by Dr. Rijo Jacob Thomas via G-meet on 11/04/2024 from 8:30 to 10:00 PM, was enlightening and thought-provoking. Dr. Rijo delved into various aspects of sustainability, highlighting the pressing problems faced by the world today and exploring potential solutions. The discussion centred around the crucial role engineers play in implementing sustainable practices and mitigating environmental challenges.

Dr. Rijo outlined several remedies for these problems, ranging from adopting renewable energy sources to implementing waste reduction strategies and promoting circular economy principles. He stressed the importance of interdisciplinary collaboration and the integration of sustainability principles into engineering education and practice.

The talk session provided valuable insights into how engineers can contribute to creating a more sustainable future and emphasised the need for a holistic approach to address environmental challenges. The interactive nature of the session encouraged active participation and facilitated engaging discussions among the attendees.

Overall, the talk session by Dr. Rijo was highly informative and inspiring, leaving attendees with a deeper understanding of the role of engineers in promoting sustainability and a renewed sense of commitment to incorporating sustainable practices into their work.

Mystic Map: Treasure Hunt



Mystic Map was a treasure hunt competition conducted by IChE TKMCE Student Chapter as part of Hestia 2024. The event took place on 4th of May 2024. The event commenced at 9 am at H110 of the department of Chemical Engineering. Eight teams comprising of four members showed up for the event.

The event consisted of two rounds. The first round involved solving a crossword and decoding a message in morse code. The first four teams that completed the first round were selected for round two. The remaining four teams were eliminated. The selected teams were sent out for the treasure hunt after giving them the first clue. The teams had to use the clue to find the location from where they will get the clue for the next location and so on. There were five locations and the fifth location was the initial location-H110. The teams that reached the final location first, second and third were declared as winners securing first, second and third prize respectively. Afterwards prizes were distributed and photos were taken. The event ended at 12 pm on 4th of May 2024.

The event was a huge success and surpassed all expectations, delivering an exhilarating and unforgettable experience for participants. Throughout the treasure hunt, participants were immersed in a series of captivating challenges and clues, each designed to test their wit, teamwork and problem-solving skills. Overall, the treasure hunt event was a resounding success, characterized by its ability to captivate, inspire and unite participants in a thrilling quest for hidden treasure. It exemplified the power of experiential events to foster community spirit, promote exploration and create unforgettable moments of joy and discovery.