

AIChE TKMCE Student Chapter Annual Report 2024–2025

The AIChE Student Chapter at TKM College of Engineering has had an eventful and impactful academic year (2024–2025), marked by a series of meaningful initiatives and activities aligned with its mission to foster academic excellence, promote technical knowledge, and encourage societal engagement among chemical engineering students. This report outlines the key events organized by the chapter over the course of the year.

The chapter commenced its annual activities with a talk session on “Sustainable Tourism in Munroe Island,” conducted on 16th December 2024 at the Chemical Seminar Hall. The session was led by Dr. Fazil A., Head of the Department of Chemical Engineering, who presented a comprehensive discussion on the ecological and socio-economic challenges facing Munroe Island. He addressed critical issues such as tidal flooding, illegal sand mining, and rising carbon emissions associated with tourism. Dr. Fazil proposed sustainable interventions including solar-powered ferries, green infrastructure, biogas utilization, and responsible fishing practices. Furthermore, he introduced methodologies using openLCA to assess environmental impacts based on tourist data. The session concluded with an engaging Q&A, prompting students to reflect on sustainable development practices.



Continuing its outreach initiatives, the AIChE K-12 Chapter actively participated in the Dr. APJ Abdul Kalam Science Expo 2025, held on 4th January 2025 at KPM Model School, Pullichira. The event aimed at fostering scientific curiosity among school students by showcasing eight interactive experiments. Demonstrations included non-Newtonian fluids, Boyle's law, lava lamps, magic milk, and the vinegar volcano. Each exhibit was designed to simplify complex scientific principles through visual and experiential learning. Faculty Advisor Prof. Al Ameen A. and

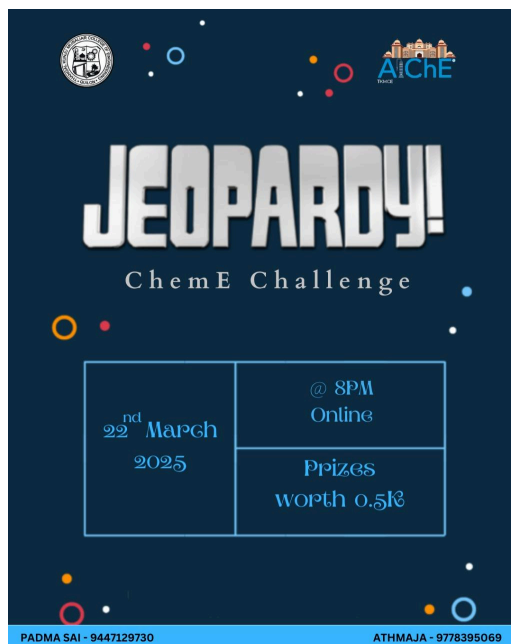
student members effectively communicated the relevance of science in everyday life, thereby inspiring young learners to explore STEM fields.



On 1st March 2025, the chapter organized “Trivia Night,” an intellectually stimulating event designed to test participants' general and technical knowledge through a series of competitive quiz rounds. The event fostered collaborative learning, critical thinking, and peer interaction. Participants demonstrated enthusiasm and strategic thinking throughout the event. The team comprising Anugrah, Rony, Aman, and Fardeen secured first place with commendable performance. The event was successful in reinforcing academic engagement while providing an enjoyable learning experience.



Further contributing to the academic enrichment of students, the chapter conducted “Chem-E Jeopardy”—a virtual quiz competition modeled on the classic Jeopardy format, on 22nd March 2025. The event featured five teams competing across diverse categories of chemical engineering and general knowledge, with questions arranged by difficulty level. The rules emphasized accuracy, speed, and teamwork. The team ‘Catchers in the Rye’ emerged as the winners, followed by ‘Batchbusters’ in second place. The event was lauded for its structure, competitiveness, and ability to blend academic content with interactive participation.



The AIChE TKMCE Student Chapter's activities in 2024–2025 exemplify its commitment to holistic student development, academic excellence, and societal outreach. Through a well-balanced combination of technical talks, student engagement programs, and community-centered activities, the chapter has continued to uphold the core values of the AIChE organization while actively contributing to the intellectual growth of its members.