

Muffakham Jah College of Engineering and Technology

ADSOPHOS-2026

Department of Basic Sciences & Humanities

List of events organized by the department:

Department	Name of the event
Mathematics	QUIZOPHOS
English	ECHOS: 1.Curtain call 2.verses on canvas 3.Moments and musings

List of Projects displayed in Ghulam Ahmed Hall

Department	Name of the project expo
Physics	Glass making and super conductors Expo
Chemistry	PROJECT TITLE: SUSTAINABLE OIL REUSE – DEVELOPMENT OF AN EFFICIENT MULTI-STAGE PURIFICATION

Department of Mathematics

QUIZOPHOS:

QUIZOPHOS was a two-day event organized by Mathematics department. The event focused on Aptitude and leadership skills. This event was held in three rounds: Round one-Aptitude, Round two-Sell me this, Round three-Corporate meltdown. Cash prizes were given. Total 14 teams were participated.

First prize: Rs. 2,000/-

Second prize: Rs.1,500/-

Third prize: Rs.1,000/-



Department of English:

Event: ECHOS

ECHOS was a two-day literary and creative event held to provide students with a platform for expression outside of their regular classes. The event focused on building communication skills and creative thinking through various formats, including speaking, acting, and visual arts. The event was conducted over two days, each centered around a distinct set of activities.

Day 1 featured the JAM Competition (Moments & Musings), focused on spontaneous speaking.

Day 2 comprised three events: the Skit Competition (Curtain Call), VERSES (Painting Event), and Treasures & Tales (Exhibition OF Collectibles).



Day 1: JAM Competition (Moments & Musings)

Participants were assigned topics on the spot and required to speak continuously for one minute without hesitation, repetition, or deviation. The activity tested not only speaking ability but also the capacity to think clearly and communicate under pressure.

The session was lively and well-received. While initial hesitation was observed among some participants, confidence visibly grew as the rounds progressed. The responses varied



from thoughtful and articulate to light-hearted and humorous, contributing to an engaging atmosphere throughout. The activity proved effective in encouraging students to become more comfortable with public speaking. The competition was judged by **Dr. Gitasri Mukherjee and Dr. Shabana Tahniyath.**

Day 2: Skit Competition (Curtain Call)

Teams presented short performances on the theme "Fighting Social Evil." Each team interpreted the theme independently, highlighting social issues of relevance through their chosen narratives. The performances demonstrated strong coordination, storytelling, and the ability to communicate meaningful messages through their act. Some presentations were direct and impactful, while others employed subtle humour to convey their point, both approaches were equally effective. The competition was judged by **Dr. Gitasri Mukherjee, Dr. Sher Md. Khan and Ms. Asra Jabeen** whose evaluation provided participants with constructive and informed feedback.



Day 2: VERSES ON CANVAS

Participants were invited to create artwork inspired by Emily Dickinson's poem "Nature is what We See," requiring them to engage thoughtfully with the text before translating their interpretation onto canvas.

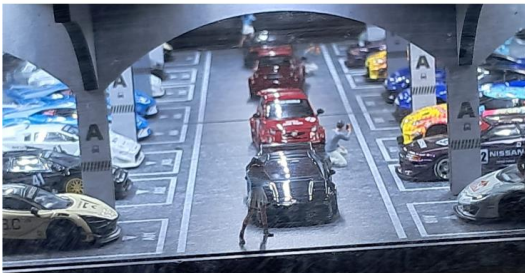
The submissions reflected a wide range of creative responses; from detailed naturalistic compositions to abstract explorations of symbolism and imagery. The diversity of outcomes demonstrated how literary text can serve as a meaningful stimulus for visual expression. The event was judged by **Dr. Gitasri Mukherjee.**



Day 2: Treasures & Tales (Collectors' Exhibition)

Participants displayed their personal collections and presented the stories and significance behind them. The segment was notable for its personal and reflective quality, participants were not merely exhibiting objects, but articulating memories, interests, and experiences connected to them.

The exhibition fostered an interactive and relaxed environment, encouraging meaningful conversation and connection among participants and attendees.



Event Execution

The event was executed smoothly and with consistent coordination across both days. Instructions were communicated clearly prior to each activity, and transitions between segments were managed efficiently. The organizing team ensured that the schedule was adhered to and that participants were supported and guided throughout.

Conclusion

ECHOS was a well-rounded and purposeful event that successfully brought together diverse forms of student expression under a single platform. It offered

participants the opportunity to engage creatively and intellectually in ways that go beyond conventional academic activity.

The event reflected the broader mission of the Orators' Club; to cultivate communication, creativity, and confident self-expression among students, and achieved its objectives in full measure.



Department of Chemistry:

PROJECT TITLE: SUSTAINABLE OIL REUSE – DEVELOPMENT OF AN EFFICIENT MULTI-STAGE PURIFICATION:

Aim : To design and develop a prototype that purifies reused cooking oils through a three-level purification system and enhances the nutritional stability of the recovered oil by fortification with antioxidants.

Context and justification: Used cooking oil, if improperly discarded, causes environmental pollution and clogging of drains. Repeated heating degrades oil quality, forming free radicals, polar compounds, and off- flavors that make it unsafe for consumption. A cost-effective purification system can extend oil usability, reduce waste, and support circular economy goals.

Applications

1. **Recovered oil meets FSSAI standards for reuse:** low acid value, reduced TPC, improved colour / odour .
2. Prototype demonstrates >70% reduction in total polar compounds and extended shelf life post-fortification.

3. Scalable model for restaurants, food chains, and households
4. Food industry waste management
5. Small-scale biodiesel pre-treatment
6. Community-level oil recycling units.

Future Scope

1. Automation of the 3-stage system with sensors for TPC/FFA
2. Testing antioxidant blends for maximum shelf-life extension
3. Life cycle analysis to quantify environmental impact



Department of Physics:

