

**Details:**

Chief Guest/ Guest of Honor: Nil
Designation: Nil

Speakers: Nil

Report

(maximum 250 words)

The Department of Mechanical Engineering, in collaboration with the Institution of Engineers (India) [IE(I)] Mechanical Chapter, successfully organized a **Technical Demonstration on "Robo Arati"** on **October 10, 2024**. The event showcased an innovative project that brought together students, faculty, and staff, demonstrating their combined efforts in advancing modern mechanical and robotics engineering.

The primary focus of the technical demonstration was "Robo Arati," an innovative robotic system designed to perform traditional religious rituals autonomously. The demonstration was aimed at integrating modern technology with cultural practices, highlighting the interdisciplinary nature of robotics, control systems, and mechanical engineering. The project exemplified how engineering students and faculty can collaborate to create systems that have a significant cultural impact, while also emphasizing the use of robotics in non-conventional fields.

The event saw an enthusiastic participation of **25 students**, alongside various faculty members and staff from the Department of Mechanical Engineering. The combination of students from different years, faculty, and staff created a diverse learning environment that enriched the overall experience. The hands-on demonstration enabled attendees to understand both the theoretical and practical aspects of developing such robotic systems.

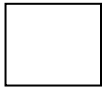
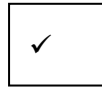
The event was coordinated by a dedicated team of both faculty and students:

Mr. S. Valai Ganesh, Assistant Professor (Senior Grade), Department of Mechanical Engineering, served as the faculty coordinator for the event. Mr. Ganesh's experience and expertise in the field of robotics and mechanical engineering ensured the smooth execution of the technical demonstration. He played a pivotal role in guiding the student team and in overseeing the successful demonstration of "Robo Arati."

Student Coordinators:

- **Mr. V. Suryakumar**, IV Mech
- **Mr. L. Saravanakumar**, IV Mech
- **Mr. R. Muthukumar**, IV Mech
- **Mr. B. Vignesh**, IV Mech

These students acted as the core team in organizing the event and played an active role in the technical demonstration. Their dedication to the project was commendable, as they worked closely with faculty to ensure the successful integration of hardware, control mechanisms, and automation systems that powered the "Robo Arati."



Sample Certificate



YouTube Link:

<https://www.youtube.com/watch?v=11Yz8vAm5QY&t=3s>

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Signature of the Faculty Advisor
with date affixed with seal