

Date: 20/9/24

Student Club Activity

Rocket Launching Activity Culminating Hands on 2 days Workshop

Experiential Learning on Space Technology through Rocket Launching Activity

Organized by Department of Mechanical Engineering

Venue: GITS Campus, Udaipur

Date:

18-19 September 2024

Objective:

The workshop was designed to introduce students to the fascinating field of **Space Technology** through a blend of theoretical learning and practical implementation. The core objective was to provide experiential learning by engaging students in the **design, development, and launching of model rockets**, thus promoting interest in aerospace and mechanical engineering applications.

Inauguration:

The event commenced with an auspicious **lamp lighting ceremony**, followed by a formal **inaugural session**. The session included a welcome address, an overview of the workshop objectives, and the introduction of the esteemed experts leading the sessions.

Day 1 Highlights – Theoretical Insights:

Students gained comprehensive theoretical knowledge covering:

- Fundamental **space terminologies**
- Core concepts in **aerodynamics and propulsion**
- Design principles behind **model rockets**
- Overview of **Indian space missions** and satellite launch systems

The sessions were interactive and enriched with real-world examples shared by experienced professionals from the space and engineering sectors.

✂ Day 2 Highlights – Rocket Launching Activity:

The second day was dedicated to **field practice**, where students:

- Assembled their **self-prepared model rockets**
- Participated in the **live rocket launching** activity
- Tested and analysed the flight performance

The rocket launch took place in the presence of **students, faculty, and staff** across departments, turning the event into a grand celebration of curiosity and innovation. The joy and excitement were palpable as rockets soared into the sky, marking a successful culmination of the workshop's hands-on component.

Valedictory & Certificate Distribution:

The workshop concluded with a **certificate distribution ceremony**, honouring all participants for their enthusiastic involvement. The session ended with a **Vote of Thanks** delivered by **Dr. Vishnu Agarwal**, Professor, Department of Mechanical Engineering, who appreciated the efforts of organizers, participants, and experts for making the event a resounding success.

Acknowledgment:

The Department of Mechanical Engineering expresses its sincere gratitude to the **GITS management, resource persons**, and all **faculty members** for their support and contribution to the success of this unique learning initiative.

Glimpses of the Activity

Day 1 (18 sep 2025)



Day 2 (19 Sep 2025)

