

SPACE CLUB

ANNUAL REPORT 2024-2025

1. Hackathon Event

ISRO organized a national-level hackathon focused on the betterment of launch vehicles. As part of the selection process, colleges across the country were invited to send student teams, with a state-level competition held prior to the national-level event. To identify the best team to represent the college at the state level, the Space Club of MBCET conducted an internal hackathon. The internal event was properly monitored and audited by faculty members to ensure fairness and transparency. Multiple student teams participated, and based on their performance, the most suitable team was selected. The selected team went on to represent MBCET at the state-level competition hackathon hosted by ISRO.

2. Space Day Celebrations

Various events were conducted during the month of August as part of the National Space Day celebrations. The following are the events organised at Mar Baselios College of Engineering and Technology:

- i. Universe in a Nutshell
- ii. Adhara- Rocket Modeling
- iii. Literary Review on Space related books and films.
- iv. Knowhere Quiz Competition.
- v. Astral Artistry-Astrophotography Competition
- vi. Cosmos Canvas-Poster/Painting Competition
- vii. Visit to LPSC, Valiamala
- viii. Flash Mob

3. Space Club Inauguration

The space club at MBCET was inaugurated by Dr. V. Narayanan, Director, Liquid Propulsions Systems Centre, LPSC, Valiyamala, Trivandrum on 1 October 2024. Dr. V. Narayanan delivered an inspiring inaugural address, sharing his passion for space and encouraging students to explore the wonders of the universe. His words ignited a sense of curiosity and excitement among the audience. Following his speech, the students were treated to captivating video presentations on the marvels of space and the Chandrayaan mission. Officials from LPSC joined the inaugural ceremony. The presidential address was delivered by Dr. S Viswanatha Rao, Principal, MBCET. The welcome address and Vote of Thanks were delivered by Dr. Swapna P. S., Faculty in charge of Space Club and Mr. Rohin Sabu, Student Coordinator, Space Club.

4. Space models exhibition

On February 27th, 2025, as part of the college techfest, the Space Club of MBCET, in collaboration with Illumina—the official body of the Electrical and Electronics Department—hosted a Space Modelling Exhibition. The event featured detailed models of space launch vehicles, satellites, and various other space-related structures. These models were created through the joint efforts of members from both the Space Club and Illumina.

5. Talk session

The Space Club of MBCET hosted a talk session featuring Dr. Manju S. Nair, Senior Scientist at LPSC Trivandrum, as the guest speaker. The session took place at Faraday Hall in the Electrical and Electronics Department and lasted for one hour. Dr. Manju S. Nair delivered an engaging talk covering the basics of launch vehicles, distance factors in space, and other fundamental space-related concepts. The session was highly interesting and informative, drawing a good number of student participants who actively engaged with the topic.

6. Logo Launch Competition

The Space Club of MBCET hosted a logo launch competition as its first official event in the college. The competition was open to all students at the college level, and both Space Club executive members and other students actively participated. Participants were invited to design and submit original logo concepts for the club. A time span of 8 to 10 days was given for submissions, allowing ample time for creativity and design. A good number of students took part in the event, and after careful evaluation, the best logo was selected to represent the Space Club.

7. Interview-Mrs Tessy Thomas

On January 10th, 2025, an exclusive interview event was held at St. John's Model HSS, Nalanchira, featuring Dr. Tessy Thomas, a distinguished scientist who has worked with ISRO and DRDO (Defence Research and Development Organisation). Dr. Tessy Thomas is renowned for her contributions in the fields of rocket and launch vehicle technology, intercontinental ballistic missiles, hypersonic missile systems, and the development of Agni-IV and Agni-V missiles. Representing MBCET, Mr. Adithya, the Chairman of the Space Club, participated in the event and posed a series of questions during the session.

8. KSPACE visit

A visit to K-Space (Kerala Space Park) was planned by the Space Club of MBCET as a three-level program aimed at exploring and understanding the initiatives and infrastructure of the space park. In the first phase, faculty members visited K-Space to gain insights into its operations, facilities, and objectives on 23rd May, 2025. This initial visit by the faculty was successfully completed.