

# Newsletter

**DEPARTMENT OF ELECTRONICS  
AND COMMUNICATION**

**S6 ECE**

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# **TEAM MEMBERS**

- **Mridula I**
- **Riya M R**
- **Sona Sanu**
- **Susanna Varghese**
- **Vinitha B K**

# INTRODUCTION

The Department of Electronics and Communication proudly presents its newsletter for the academic year 2024–25. This edition captures the vibrant journey of innovation, learning, and achievement within our department. Showcasing a blend of academic excellence, research advancements, technical events, and student accomplishments, the newsletter reflects the collective efforts and aspirations of our faculty and students.

With the rapid evolution of technology in areas such as VLSI, embedded systems, wireless communication, IoT, and AI-driven electronics, our department continues to nurture young minds with the skills and knowledge needed to thrive in this dynamic field. Through workshops, seminars, technical fests, and research initiatives, we strive to provide a platform where creativity meets engineering excellence.

We extend our heartfelt gratitude to all contributors, and we hope this newsletter serves as a source of inspiration, pride, and motivation for our entire academic community.

# Unlocking the Skies: Space Club Experiences

The Space Club of our institution successfully organized a series of enriching programmes during the academic year 2024–25, fostering curiosity and innovation among students in the field of space science and technology. The club served as a vibrant platform for young minds to explore the wonders of the cosmos, engage in hands-on learning, and keep pace with the latest advancements in space research.

Throughout the year, the club conducted a variety of activities including interactive seminars, expert talks, model-making competitions, sky-gazing sessions, quizzes, and workshops. Students actively participated in discussions on topics such as satellite communication, lunar missions, rocket propulsion, and emerging trends in space exploration.



# WESAT: Celebrating One Year of a Historic Launch

The Space Club proudly celebrated the first anniversary of WESAT (Women Engineered Satellite), India's first women-engineered satellite and Kerala's inaugural student satellite, marking a milestone in the nation's journey of innovation and empowerment.

The event, held on 1st January 2025 at the Main Seminar Hall, commemorated one year of WESAT's successful launch and highlighted the spirit of determination, scientific excellence, and teamwork demonstrated by the students behind the mission.

The celebration was graced by the Guest of Honour, Dr. Divya S. Iyer IAS, Managing Director of Vizhinjam International Seaport, Director of the Cultural Affairs Department, and Project Director of Kerala Solid Waste Management Project. In her inspiring address, she applauded the achievement as a beacon of women empowerment in science and technology, and encouraged students to continue striving for groundbreaking contributions in the field of space exploration.

The programme served as a source of immense pride and motivation, reminding us that when passion meets perseverance, the sky is not the limit but only the beginning.



*India's first Women Engineered Satellite & Kerala's Inaugural Student Satellite*

*Celebrating*

*1 Year of Successful Launch*



*Guest of Honour*

*Dr. Divya S Iyer IAS*

Managing Director, Vizhinjam International Seaport & Director  
Cultural Affairs Department & Project Director, Kerala Solid  
Waste Management Project

On 1st January 2025      Venue : Main Seminar Hall,

# Exploring Beyond: Space Club Activities

## 2024-25

The Space Club of LBSITW continued to inspire and nurture young minds with innovative and engaging programmes during the academic year 2024-25. With a mission to ignite curiosity about the cosmos and promote scientific learning, the club organized a range of events that brought together students, experts, and space enthusiasts.

On 9th August 2024, the club hosted the ASTRO SUMMIT at the Main Seminar Hall. The event witnessed enthusiastic participation from students who showcased their knowledge and passion for astronomy and space science. The summit provided a platform for interactive sessions, discussions, and competitions, with winners receiving cash prizes and certificates from ISRO, adding to the excitement and prestige of the event.

On the same day, the Space Club extended its outreach by conducting GALAXY CHASE, an awareness session at GHSS, Manacaud. The session focused on the theme “The Future of Space Exploration and Its Impact on Earth”. Students from the school gained valuable insights into how advancements in space technology influence daily life on our planet. This initiative not only spread awareness but also sparked curiosity in young learners about pursuing careers in space research.

Both events reflected the club’s commitment to creating opportunities for knowledge sharing, innovation, and scientific outreach. The success of these programmes marked yet another milestone in the Space Club’s journey of inspiring future explorers of the universe.






**SPACE CLUB LBSITW**  
Presents  
**GALAXY CHASE**  
An Awareness session conducted at  
**GHSS, Manacaud**  
Topic : *The Future of Space Exploration and it's impact on Earth*  
Date : 9th August 2024 For Queries, Contact





**SPACE CLUB LBSITW**  
Presents  
**STELLAR STORIES**

Mode of event : Online  
Registration Fee : ₹15  
Deadline : 9th Aug 2024

Win Cash Prize of ₹1000  
Winners receive certificates  
from ISRO

**REGISTER NOW**

For queries, contact  
R Seetha : 8139833616  
Gopika G : 7736616918



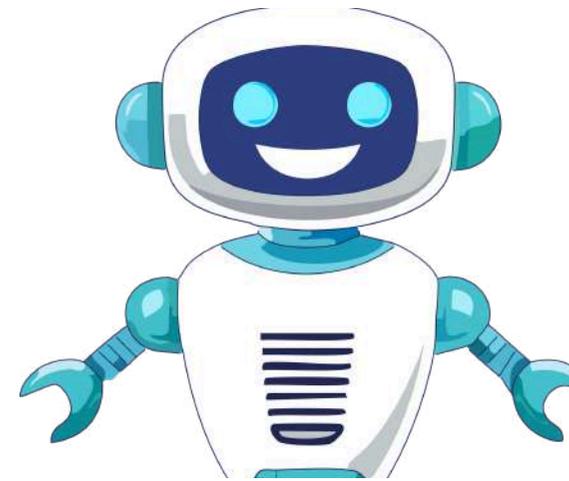


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GHSS, Manacaud  
Topic :- *The Future of Space Exploration and it's impact on Earth*



# Build-A-Bot: A Hands-On Robotics Workshop by LBSITW Robotics Club

The Robotics Club of LBS Institute of Technology for Women, Poojappura, successfully conducted an engaging and interactive workshop titled "Build-A-Bot" on the 24th and 30th of January 2025. Designed to introduce students to the exciting world of robotics, the event offered a hands-on learning experience where participants explored the basics of robot design, assembly, and programming. Held at the Robotics Club Room, the sessions provided a collaborative environment where students worked in teams to build functioning bots, guided by experienced club members and mentors. The workshop not only enhanced participants' technical knowledge but also fostered creativity, problem-solving, and team spirit. Certificates were awarded to all participants, recognizing their enthusiastic involvement and successful completion of the sessions. The event received an overwhelming response and served as an excellent platform for budding innovators to take their first step into robotics.



# VISION AND MISSION

## VISION

To become a centre of excellence in Electronics, communication, instrumentation and computer engineering to facilitate professional education and research keeping higher level of value systems.

## MISSION

To transform young women to high quality engineers, entrepreneurs and researchers with ethical values for providing creative engineering solution and intellectual services to the industry and the society by keeping pace with latest technological advancements by the application of Electronics, communication, instrumentation and computer engineering