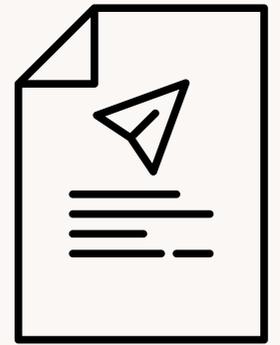


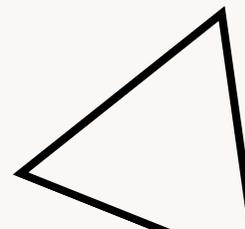
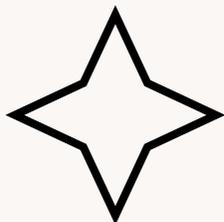
**LBS Institute of Technology For
Women, Poojappura**



**Department of Electronics and
Communication**

NEWS
LETTER

S5 ECE
2024-25



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INTRODUCTION

We are delighted to present the 2023–24 edition of our departmental newsletter, proudly prepared by the students of ECE. This edition captures the spirit of innovation, teamwork, and creativity that has defined our department throughout the year.

The academic year was marked by a series of vibrant activities and initiatives. Prayag 4.0, our flagship technical fest, brought together young minds to showcase their skills in competitions, workshops, and project exhibitions. The Space Club engaged students with exciting events, discussions, and explorations into the fascinating world of space science and technology. Adding to the hands-on learning experience, our Robotics activities encouraged students to design, build, and innovate, bridging theory with real-world applications.

This newsletter reflects not only the achievements of our department but also the enthusiasm and dedication of our student community. We hope it serves as a record of our collective journey and as an inspiration for the batches to come.

SPACE CLUB

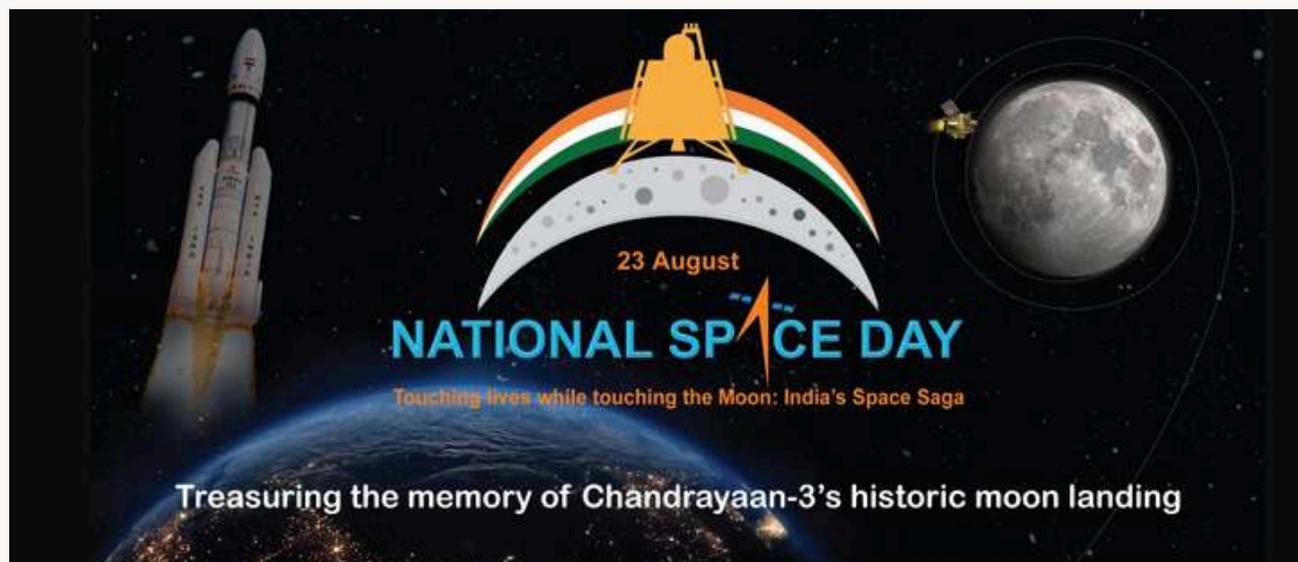
National Space Day 2024

India achieved a historic milestone on August 23, 2023, by becoming the fourth country to successfully land on the Moon and the first to reach its southern polar region. This proud moment was marked by the successful soft landing of Chandrayaan-3 and the deployment of the Pragyan Rover. The landing site was aptly named “Shiv Shakti Point”, symbolizing strength and innovation.

To honour this remarkable achievement, Hon’ble Prime Minister Shri Narendra Modi declared August 23 as National Space Day. The nation celebrated its maiden National Space Day (NSpD-2024) on August 23, 2024, with the inspiring theme:

“Touching Lives while Touching the Moon: India’s Space Saga.”

This celebration not only commemorates India’s advancements in space exploration but also serves as a reminder of the limitless possibilities that science and technology can unlock for the betterment of humanity.



PRAYAG 4.0



The Department of Electronics and Communication proudly organized Prayag 4.0, the flagship inter-collegiate technical fest of LBS Institute of Technology for Women, Poojappura, providing a vibrant platform for students to showcase innovation, creativity, and technical excellence. It was conducted on September 28 and 29, 2024 at LBS institute of Technology for women, Poojappura

VISION VEGA PROCESSOR



Exploring the Future with VEGA Processors – Workshop at LBS Institute of Technology for Women

The Department of [Your Department/Club Name] successfully conducted a hands-on workshop on the indigenous RISC-V based VEGA Processors, led by experts from C-DAC and the VEGA development team. Participants gained an in-depth understanding of the VEGA ecosystem and worked practically with the Arduino-compatible ARIES development board. The workshop provided a unique opportunity to explore cutting-edge processor technology, learn directly from industry specialists, and enhance skills in embedded systems and hardware programming.

TELEKINESIS



TELEKINESIS: Command Technology with a Wave of Your Hand!

Vistara, in connection with Prayaag 4.0, had presented an exciting hands-on experience titled TELEKINESIS.

Participants stepped into a world where gestures spoke louder than words, explored how simple hand movements could control technology, and with just a flick of the wrist, LEDs lit up and danced in response, showcasing the magic of gesture-based interaction.

ROBOTICS CLUB



The Robotics Club of LBS Institute of Technology for Women is a vibrant student community that fosters creativity, innovation, and technical excellence in the field of robotics and automation. The club provides a platform for students to design, build, and program robots while gaining hands-on experience with cutting-edge technologies

Robohive 2.0



The Robotics Club of LBS Institute of Technology for Women, Poojappura successfully conducted RoboHive 2.0 in August 10 and 11, 2024. It is a flagship event aimed at fostering creativity, innovation, and hands-on learning in the field of robotics and automation.

The program brought together enthusiastic students, faculty members, and robotics enthusiasts to explore the latest trends in technology and automation. Participants showcased their innovative projects, competed in exciting robotics challenges, and attended workshops on microcontrollers, sensors, and AI-based 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