



**Academic Year 2025-26 (Even Semester)**

**Department of Electronics and Telecommunication Engineering**

ACE/EXTC/FR/22/2025-26

DATE: 04/02/2026

**Report of Space Exhibition 2025-26**

	<b>Atharva Satellite Ground Station (ASGS) in collaboration with Electronics and Telecommunication Department (EXTC)</b>
<b>College/Institute Name:</b>	Atharva College of Engineering
<b>Date and Time:</b>	18 <sup>th</sup> February 2026 Full - day visit
<b>Venue:</b>	Vikram Sarabhai Space Exhibition, Palghar Mumbai
<b>Chief Host :</b>	St. John College of Engineering and Management, Palghar
<b>Topic of Event:</b>	Vikram Sarabhai Space Exhibition
<b>Mode of conduction:</b>	Offline mode
<b>Coordinators of the Event:</b>	Prof. Shikha Malik.
<b>Targeted Audience:</b>	Ground station and EXTC Students
<b>No. of Participants:</b>	5
<b>Brief Description of Visit:</b>	<b>Objective of the Visit:</b> <ol style="list-style-type: none"><li>1. To provide students with exposure to India's space history, satellite missions, and contributions of Dr. Vikram Sarabhai to the Indian space program..</li><li>2. To help students understand the fundamentals of satellite technology, launch vehicles, and space communication systems.</li><li>3. To bridge the gap between theoretical concepts of satellite communication and real-world space applications.</li><li>4. To familiarize students with ISRO's space missions, satellite models, and their applications in communication, earth observation, and navigation.</li><li>5. To motivate students to pursue careers, research, and innovation in space technology, satellite</li></ol>

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systems, and aerospace engineering.

**Topics Covered in the Visit:**

1. Overview of Dr. Vikram Sarabhai's contributions and the evolution of India's space program.
2. Introduction to satellite technology, including structure, subsystems, and working principles.
3. Models and applications of ISRO satellites used for communication, weather monitoring, and earth observation.
4. Launch vehicle systems and their role in placing satellites into orbit.
5. Basics of satellite communication, including signal transmission between ground stations and satellites.
6. Role of ground stations in receiving, transmitting, and monitoring satellite data.
7. Real-world applications of space technology in communication, disaster management, navigation, and remote sensing.
8. Antenna systems and their importance in satellite tracking and communication.
9. Overview of ISRO missions and their impact on national development.
10. Career opportunities and research prospects in space technology and satellite communication.

**Outcome of the Visit:**

1. Enhanced understanding of satellite systems, space missions, and communication technologies.
2. Increased student interest and motivation toward space research and satellite engineering.
3. Better connection between academic learning and real-world space technology applications.
4. Improved awareness of the role and importance of ground stations in satellite communication.
5. Strengthened technical foundation for students involved in Atharva Satellite Ground Station activities.

6. Encouragement for students to participate in satellite, CubeSat, and space-related projects.
7. Inspiration to contribute to India's growing space ecosystem and future space innovations.

**Photographs of the Event:**



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ATHARVA EDUCATIONAL TRUST'S  
**ATHARVA COLLEGE OF ENGINEERING**  
(Approved by AICTE, Recognized by Government of Maharashtra  
& Affiliated to University of Mumbai - Estd. 1999 - 2000)  
ISO 21001:2018 ISO 14001:2015 ISO 9001:2015  
NAAC Accredited A+



*Shikha*

Prof. Shikha Malik  
**ASGS Coordinator**

*Ramesh*

Dr. Kiruthika B  
**HOD EXTC**



Dr. Ramesh Kulkarni  
**Principal**