Academic Year 2025-26 (Odd Semester)

Department of Electronics and Telecommunication Engineering

ACE/EXTC/FR/22/2025-26

DATE: 14/07/2025

Report of Seminar 2025-26

Event Name:	**Seminar organized** in collaboration with **Atharva Satellite Ground Station, R&D cell, IEEE Atharva Student Branch Chapter (SBC 62431)** and **IETE Student Forum, ACE.**
College/Institute Name:	Atharva College of Engineering
Date and Time:	14th July 2025 from 11 am onwards
Venue:	Smart Classroom 2, 5th Floor, Phase 1, ACE
Speaker Name and Designation:	**Mr. Jayesh Banatwala** Founder of the Mumbai Amateur Radio Institute
Topic of Event:	**HAM Radio Communication**
Mode of conduction:	Offline mode
Coordinators of the Event:	Prof. Shikha Malik, Prof. Ankit Deogharkar, Prof. Mahalaxmi Palinje, Prof. Ruchi Chauhan
Targeted Audience:	SE EXTC
No. of Participants:	60
Brief Description of Event:	**Objective of the Event:** 1. To provide foundational knowledge of HAM radio technology and Morse code. 2. To demonstrate practical applications of HAM communication in real scenarios. 3. To introduce participants to the role of Atharva Satellite Ground Station (ASGS) in supporting HAM radio activities and project initiatives. 4. To raise awareness of HAM radio's role in emergency communication. 5. To inspire interest in amateur radio and related technical career paths. **Topics Covered in the Event:** 1. Introduction to Amateur (HAM) Radio Technology: Overview of transceivers, antennas, frequencies, and signal propagation. 2. Role of Atharva Satellite Ground Station (ASGS) in HAM Radio Operations: Demonstrating how the ground station supports real-time

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	communication and satellite tracking. 3. Step-by-Step Guide to the HAM Radio Licensing Process: Explanation of the ASOC exam, categories, required study material, and application process. 4. Demonstration of Antennas and Their Applications: A brief overview of different antenna types and their roles in wireless communication, highlighting their design, function, and impact on signal transmission and reception. 5. Community-Oriented Applications of HAM Radio**:**The session highlighted how HAM radio supports public services like disaster response, crowd management, emergency communication, and engaging activities such as fox hunts and radio contests. **Outcome of the Event:** 1. Participants developed a clearer and more practical understanding of HAM radio technology and Morse code, gaining confidence in their basic communication skills. 2. Students were introduced to the structure and process of the HAM licensing examination, helping them prepare more effectively for certification. 3. Attendees gained insight into how HAM radio serves as a critical communication tool during emergencies, making them aware of its societal importance. 4. The session stimulated curiosity and technical interest in the field of wireless communication, encouraging students to explore further learning or certification. 5. Students showed increased interest in contributing to the college's satellite ground station activities and IEEE/IETE initiatives in the domain of communication technology.

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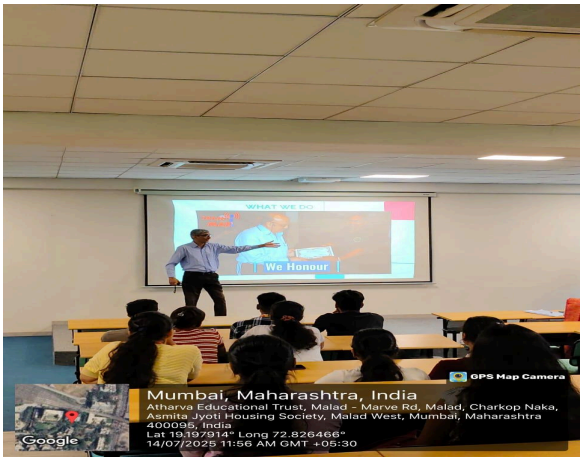
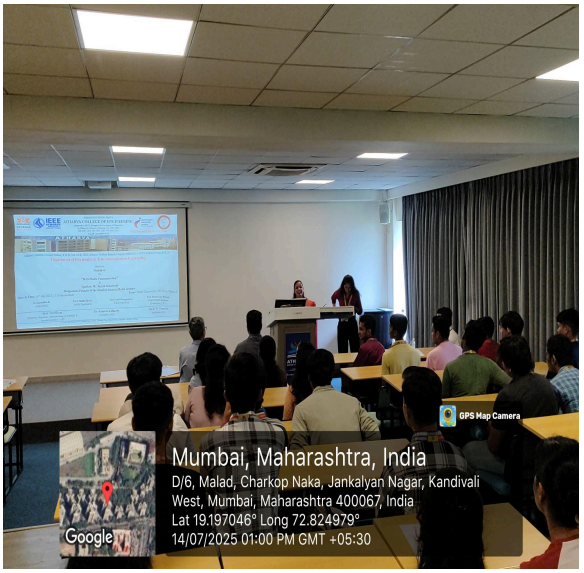
Photographs of the Event:





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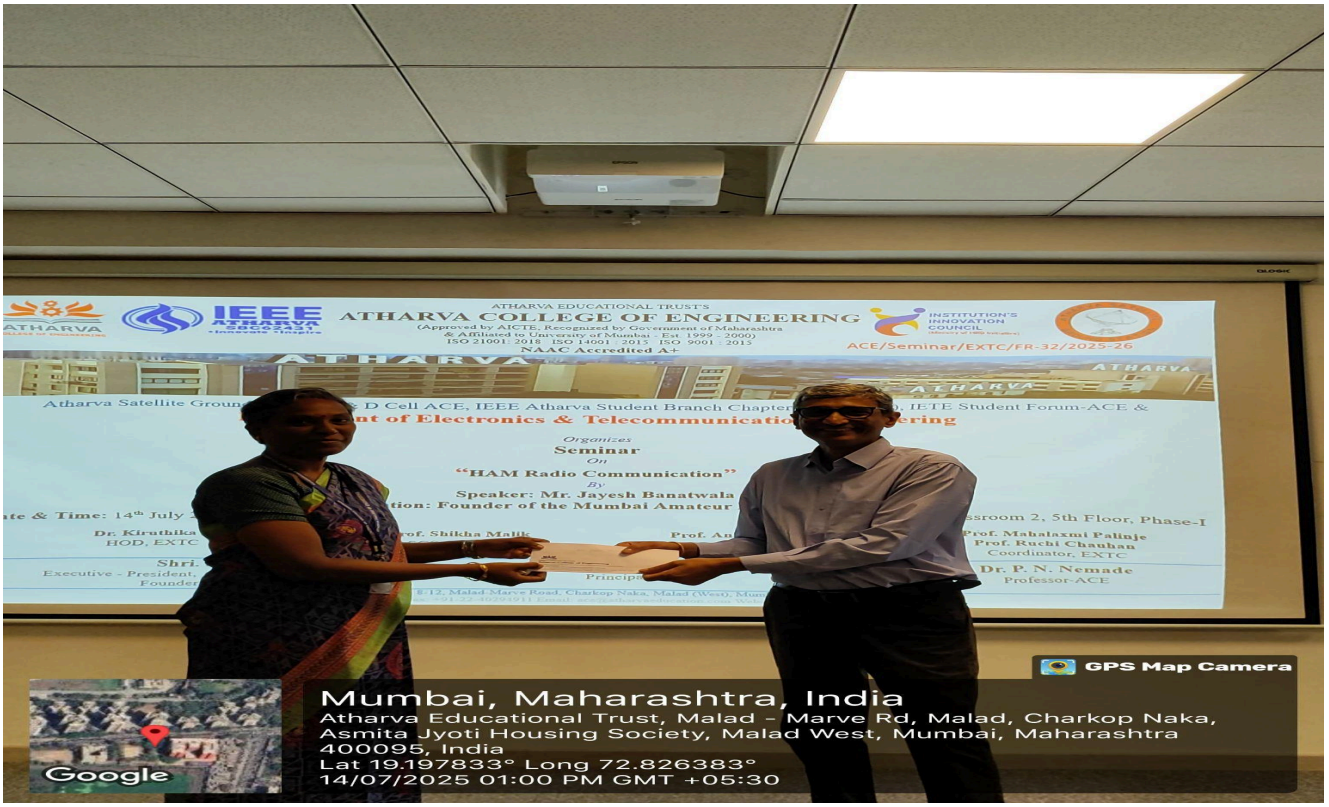

Prof. Shikha Malik
ASGS Coordinator, ACE

Prof. Ankit Deogharkar
R&D cell coordinator, ACE

Prof. Mahalaxmi Palinje
Prof. Ruchi Chauhan
EXTC Dept Coordinator, ACE

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