



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 2100:2018 ISO 14001: 2015 ISO 9001: 2015, NAAC Accredited  
Academic Year 2023-24 (Odd Semester)

Department of Electronics and Telecommunication Engineering

ACE/EXTC/FR/22/2023-24

DATE: 7/08/2023

**Report of Seminar 2023-24**

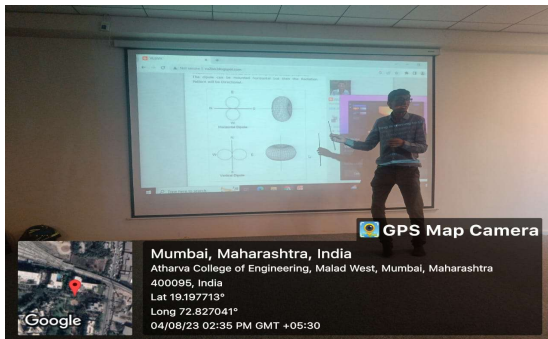
<b>Event Name:</b>	Seminar
<b>College/Institute Name:</b>	Atharva College of Engineering
<b>Date and Time:</b>	4 <sup>th</sup> August 2023 at 2-3 pm
<b>Venue:</b>	Smart Classroom 2, 5th Floor, Phase 1, ACE
<b>Speaker Name and Designation</b>	<b>Mr. Jayesh Banatwala</b> <b>Founder, Mumbai Amateur Radio Institute.</b>
<b>Topic of Event:</b>	<b>“Fundamentals of Antenna, its design and Applications”</b>
<b>Mode of conduction:</b>	Offline mode
<b>Coordinators of the Event:</b>	Ms. Mahalaxmi Palinje, Ms. Ruchi Chauhan
<b>Targeted Audience:</b>	SE/ TE students of EXTC Dept
<b>No. of Participants:</b>	80
<b>Brief Description of Event:</b>	<p>Objective of the Event:</p> <ol style="list-style-type: none"><li>1. Comprehensive understanding of antenna principles</li><li>2. Design methodologies</li><li>3. Real-world applications</li><li>4. HAM Radio Operations</li></ol> <p>Topics Covered in the Event:</p> <ul style="list-style-type: none"><li>• Introduction to Antennas: Basic concepts, terminology, and principles of antennas.</li><li>• Antenna Types and Characteristics: Overview of various antenna types (e.g., dipole, monopole, patch, Yagi, etc.) and their characteristics.</li><li>• Antenna Parameters: Explanation of key antenna parameters like gain, radiation pattern, impedance, bandwidth, and efficiency.</li><li>• Emerging Trends in Antennas: Discussion on the latest advancements and future trends in antenna technology</li><li>• A segment of the seminar focused on introducing participants to the world of amateur radio (HAM radio) and its significance in emergency communication and community service.</li></ul>



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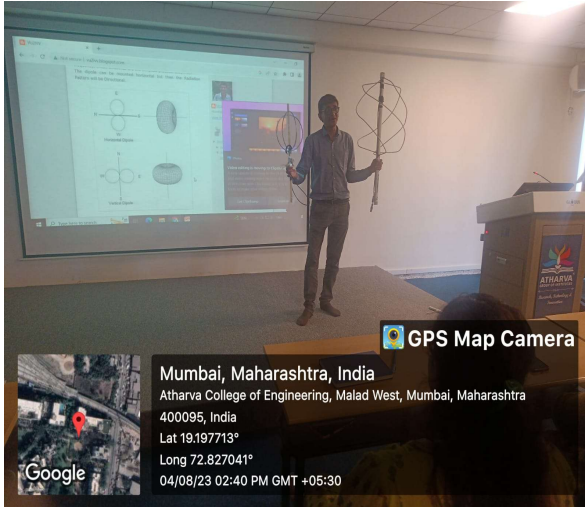
	<p>Outcome of the Event:</p> <ol style="list-style-type: none"><li>1. Enhanced Knowledge: Students gained a deep understanding of antenna fundamentals and their applications, enabling them to make informed design decisions.</li><li>2. Practical Design Skills: Students acquired practical skills in designing and optimizing antennas for specific use cases.</li><li>3. Research and Innovation: The seminar inspired students to explore new possibilities and innovations in the world of antennas and HAM radio.</li></ol>
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**Photographs of the Event:**





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Prof. Mahalaxmi Palinje  
EXTC Dept Coordinator, ACE

Prof. Ruchi Chauhan  
EXTC Dept Coordinator, ACE

Dr. Bhavin Shah  
HOD EXTC, ACE



Dr. Ramesh Kulkarni  
Principal, ACE