



Academic Year 2024-25 (Even Semester)

**Department of Electronics and Telecommunication Engineering**

ACE/EXTC/FR/22/2024-25

DATE: 07/03/2025

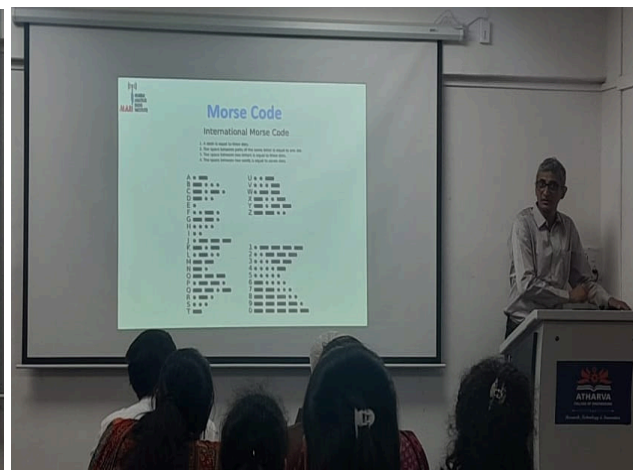
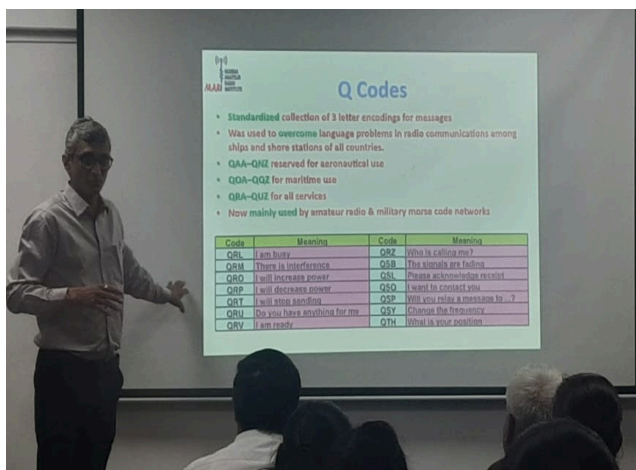
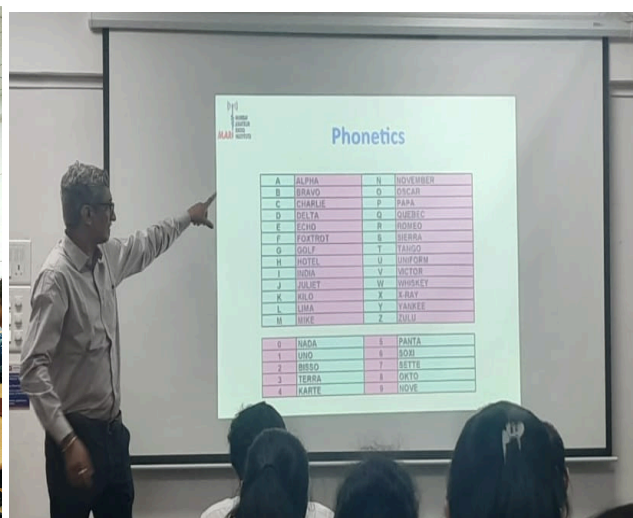
**Report of FDP 2024-25**

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| <b>Event Name:</b>                   | <b>One day FDP in collaboration with Atharva Satellite Ground Station, IEEE Atharva Student Branch Chapter (SBC 62431) and IETE Student Forum, ACE.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>College/Institute Name:</b>       | Atharva College of Engineering                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Date and Time:</b>                | 7 <sup>th</sup> March 2025 from 2.30 pm onwards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Venue:</b>                        | Smart Classroom 5, 4 <sup>th</sup> Floor, Phase 1, ACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Speaker Name and Designation:</b> | <b>Mr. Jayesh Banatwala</b><br>Founder of the Mumbai Amateur Radio Institute                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Topic of Event:</b>               | <b>Section II HAM Radio Protocol</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Mode of conduction:</b>           | Offline mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Coordinators of the Event:</b>    | Prof. Shikha Malik, Prof. Mahalaxmi Palinje , Prof. Charushila Pawar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Targeted Audience:</b>            | Interested ACE faculties and ASGS students                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>No. of Participants:</b>          | 20 faculties and 20 ASGS students                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Brief Description of Event:</b>   | <p><b>Objective of the Event:</b></p> <ol style="list-style-type: none"><li>1. Examine the regulatory standards, communication protocols, and technical aspects of HAM radio operations.</li><li>2. Facilitate knowledge transfer essential for the HAM radio licensing examination through structured discussions and technical insights.</li><li>3. Promote interdisciplinary engagement by highlighting the relevance of HAM radio communication in research and practical implementations.</li><li>4. Enhance participants' understanding of radio frequency propagation, signal processing, and transmission techniques.</li><li>5. Analyze the role of HAM radio in emergency communication, satellite communication, and scientific research.</li></ol> <p><b>Topics Covered in the Event:</b></p> <ol style="list-style-type: none"><li>1. Introduction to HAM Radio – Overview of amateur radio, its significance, and global</li></ol> |

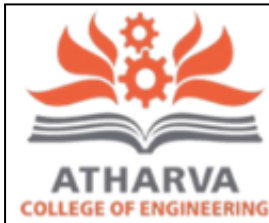
**Academic Year 2024-25 (Even Semester)**

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|  | <p>applications.</p> <ol style="list-style-type: none"> <li>2. Regulatory Framework – Licensing requirements, frequency allocation, and compliance with national and international regulations.</li> <li>3. Communication Protocols – Understanding operating procedures, call signs, phonetic alphabets, and emergency communication protocols.</li> <li>4. Practical Demonstrations – Live demonstrations of radio operations, signal reception, and message transmission.</li> <li>5. Preparation for Licensing Examination – Key topics, study resources, and examination guidelines for obtaining an operator's license.</li> <li>6. Post FDP, Awareness program for HAM Radio conducted for all ACE faculties.</li> </ol> <p><b>Outcome of the Event:</b></p> <ol style="list-style-type: none"> <li>1. Enhanced Technical Knowledge – Faculty and students gained a deeper understanding of HAM radio protocols, operational procedures, and regulatory standards.</li> <li>2. Exam Readiness – Participants received structured guidance on the HAM radio licensing examination, improving their preparedness for certification.</li> <li>3. Practical Awareness – Attendees developed insights into real-world applications of HAM radio, including emergency communication, satellite communication, and experimental research.</li> <li>4. Interdisciplinary Collaboration – The seminar fostered engagement among faculty and students from various branches, encouraging cross-disciplinary discussions and future collaborations.</li> <li>5. Increased Interest in HAM Radio – The event generated enthusiasm for amateur radio operations, leading to potential future initiatives such as hands-on training and project-based learning.</li> </ol> |
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**Photographs of the Event:**







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+

Academic Year 2024-25 (Even Semester)



Prof. Shikha Malik  
ASGS Coordinator, ACE

Prof. Mahalaxmi Palinje  
EXTC Dept Coordinator, ACE

Prof. Charushila Pawar  
EXTC Dept Coordinator, ACE

Dr. Bhavin Shah  
HOD EXTC, ACE



**PRINCIPAL**  
ATHARVA COLLEGE OF ENGINEERING  
MUMBAI

Dr. Ramesh Kulkarni  
Principal, ACE