IEEE Antennas and Propagation Society
ACTIVITY REPORT

1. **Name of the Department**: Electronics and Communication Engineering

2. **Name of the Activity**: The Aerospace Industry: Challenges, Innovations and Opportunities

3. **Objectives:**

   - To provide an overview of current trends and technological advancements in the aerospace industry.
   - To discuss key challenges faced in wireless/RF systems and communication technologies used in aerospace applications.
   - To highlight innovative engineering solutions being developed to address performance, reliability, and safety requirements in aerospace systems.
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   - To explore emerging opportunities for research, development, and careers in the aerospace and defense sectors.
   - To encourage students to pursue innovation, interdisciplinary collaboration, and higher studies in aerospace, RF, and related domains.
   - To bridge academic concepts with real-world industrial practices at organizations such as Honeywell and similar technology companies.

4. **Date, Time and Venue of the Activity:**

   29th November 2025, 10.00a.m-1p.m, Seminar Hall, 3rd floor, ECE dept, BMS college of Engineering, Bangalore

5. **Name and details of collaborating agency (if it is collaborative/joint activity):** Advanced RF and Wireless Communication Lab and Department of ECE

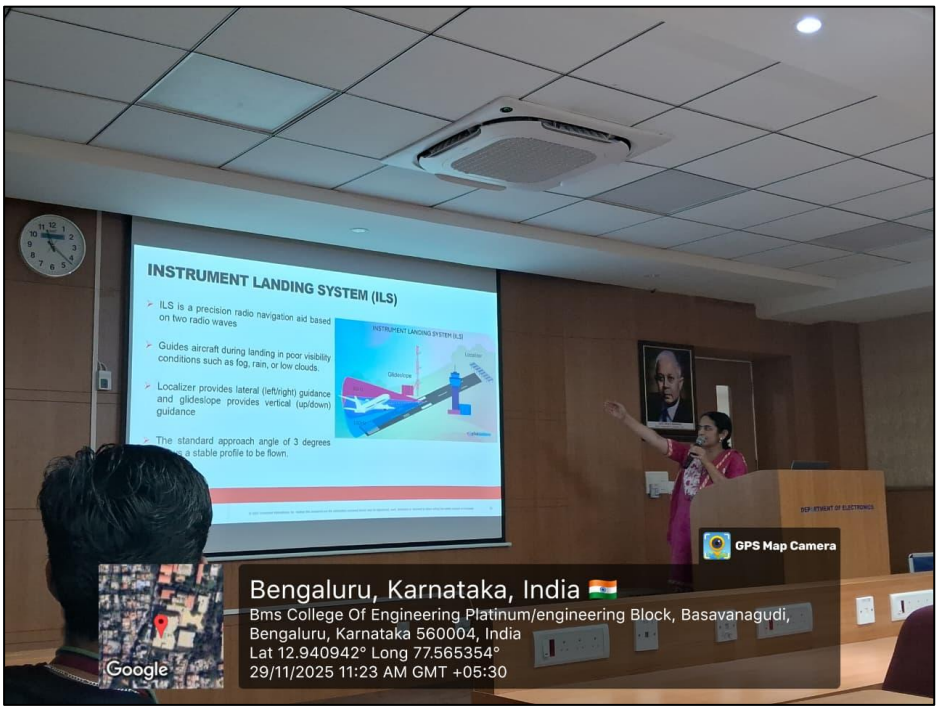
6. **Brief summary of the Programme:**
   Presenters of the programmes
   - Dr. Swapna S, Advanced Wireless/ RF Engineer, Honeywell Technology Solutions Lab Pvt Ltd
   - Session : Introduction of Aerospace Industry, perspective of RF and Wireless, reliability and compliances in Aerospace industry and Careers.

7. **Outcomes:**
   - Explain major challenges, current innovations, and future directions in the aerospace industry, especially in communication and RF domains.
   - Relate classroom concepts in wireless/RF engineering to real-world aerospace applications and system design scenarios.
   - Identify potential research areas and project ideas at the intersection of aerospace, antennas, and advanced wireless technologies.
   - Recognize relevant skill sets and career pathways in aerospace and related industries such as Honeywell and other technology solution providers.
   - Demonstrate improved awareness of interdisciplinary collaboration required for solving complex aerospace engineering problems.

8. **Number of participants:**

Particulars	Number of Faculty & Students	Non-Teaching Staff	External Participants
Total Number of Participants **40**	IEEE Members : 30 Non-IEEE Members : 10	-	**-**

9. **Photographs of the activity:**



10. **Supporting Documents:**
    a) Attendance sheet
    b) Circulars/Brochures: