

**Department of Aeronautical Engineering  
Organized**

**Technical Talk on “Overview of Aerospace Industry and Emerging  
Technologies”**



**Date:** 31st October 2025

**Venue:** 6th Floor Seminar Hall, Gopalan College of Engineering and Management, Bengaluru

**Faculty Convener:** Dr. Manjunath S V

**Faculty Organizer:** Prof. Likhith Raj R

**Emcees:** Shreelekha and Karan (5th Sem BE – AE)

**Student Organizers:** Ramya M, Shivaprasad V Patil, Vyshnavi D, Vishal, Vinod Kadale, Akash, Syed Sajjad, Shreelekha, Karan, Likhitha, Meghana, Mehak Banu, and Rovin

**1) Introduction**



The Department of Aeronautical Engineering, Gopalan College of Engineering and Management, organized a Technical Talk on “Overview of Aerospace Industry and Emerging Technologies” on 31st October 2025 at the 6th Floor Seminar Hall. The objective was to provide students with valuable insights into advancements, opportunities, and innovations shaping the aerospace sector.

## 2) Event Proceedings



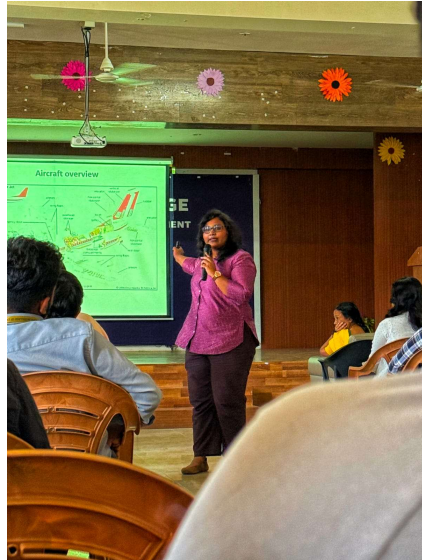
The program commenced with a warm welcome address by the emcees, Shreelekha and Karan (5th Sem BE–AE), who warmly greeted the dignitaries and the audience.

The dignitaries on stage included **Mrs. Alvina Nirmalraj, Structural Analysis Engineer at Boeing India Engineering Pvt. Ltd. and Chair of ASME Women in Engineering**; Dr. Purushotham G, Head of the Department of Aeronautical Engineering; Dr. Manjunath S V, Faculty Convener; and Prof. Likhith Raj R, Faculty Organizer.



The event was inaugurated by watering the plant, symbolizing knowledge growth and sustainability — values that align with GCEM’s mission of holistic education.

### 3) Technical Talk



The keynote speaker, Mrs. Alvina Nirmalraj, delivered an engaging session on “Overview of Aerospace Industry and Emerging Technologies.” She shared deep insights into the global landscape and evolution of the aerospace industry, airframe structures, composite and metallic fatigue analysis, nacelle repair methodologies, and the role of advanced materials. She also discussed innovations such as Wing configuration.

### 4) Interactive Session



An interactive Q&A session followed, where students enthusiastically engaged with Mrs. Alvina. Questions revolved around career prospects, research opportunities, and technological advancements. The discussion was highly motivating and provided students with clarity on how to prepare for dynamic roles in the aerospace industry.

## 5) Felicitation



After the insightful talk, a felicitation ceremony was conducted. Dr. Purushotham G, HoD – Aeronautical Engineering, presented a memento to Mrs. Alvina Nirmalraj as a token of appreciation. A vote of thanks followed, expressing gratitude to the guest, management, faculty members, and students for making the event a grand success.

## 6) Acknowledgements

The Department extends heartfelt gratitude to Mrs. Alvina Nirmalraj for her valuable time and contribution. Special thanks to Dr. Manjunath S V (Faculty Convener) for his guidance and encouragement, and to Prof. Likhith Raj R (Faculty Organizer) for his dedicated efforts in planning and executing the event.

A special appreciation goes to student organizer Ramya M and the 5th Semester Aeronautical Engineering team — Shivaprasad, Vyshnavi, Vishal, Vinod, Akash, Syed Sajjad, Shreelekha, Karan, Likhitha, Meghana, Mehak Banu, and Rovin — for their teamwork and efficient coordination.

## 7) Conclusion



The Technical Talk was a great success, enriching students' knowledge of aerospace technologies and motivating them to pursue excellence in research, design, and innovation. Events like these reinforce GCEM's commitment to academic growth and professional development.