



DEPARTMENT OF AERONAUTICAL ENGINEERING

Event Report (AY2025-2026)

Name of the Event	: Seminar on Advanced CAD-CAE-CAM Techniques for Aircraft Structures and Systems
Date & Time	: 05/02/2026, 10:45 AM
Place	: Seminar Hall, Fourth Floor, ACS College of Engineering, Bengaluru
No of Student Participants	: Aeronautical Engineering (51) Students
Event Coordinator	: Mr. Albert Allen D Mello
Resource Person	: Dr. Prashanth Dalawai, Founding Director, Indian Institute for Autonomous Systems, Bangalore

About the Event:

The Department of Aeronautical Engineering, ACS College of Engineering, in association with the ASSC Student Chapter, organized a seminar on “Advanced CAD-CAE-CAM Techniques for Aircraft Structures and Systems” on 5th February 2026. The seminar was conducted with the objective of enhancing students’ understanding of modern computer-aided technologies used in the design, analysis, and manufacturing of aircraft structures and aerospace systems.

Campus

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Event Schedule:

Time	Activity
10:30 AM – 10:45 AM	Registration of Participants
10:45 AM – 11:00 AM	Inauguration and Welcome Address
11:00 AM – 12:30 PM	Technical Session by Resource Person
12:30 PM – 01:00 PM	Interactive Discussion and Q&A Session
01:00 PM	Vote of Thanks and Conclusion

The seminar commenced at 10:45 AM in the Fourth Floor Seminar Hall with the presence of faculty members and students from the Department of Aeronautical Engineering. The event began with a welcome address highlighting the importance of advanced engineering software tools in the aerospace industry and their role in aircraft design and development.

The technical session was delivered by Dr. Prashanth Dalawai, Founding Director, Indian Institute for Autonomous Systems, Bangalore. During the session, the resource person provided detailed insights into the integration of CAD (Computer-Aided Design), CAE (Computer-Aided Engineering), and CAM (Computer-Aided Manufacturing) technologies in the aerospace sector.

The key topics covered during the seminar included:

- Fundamentals and advancements in CAD modeling for aircraft components
- Application of CAE tools for structural analysis and performance evaluation
- CAM techniques used in aerospace manufacturing processes
- Design optimization methods for aircraft structures
- Integration of digital engineering tools in product development cycles
- Industry trends and future opportunities in aerospace design and manufacturing

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The session also emphasized the significance of simulation-driven design approaches and digital manufacturing technologies in improving efficiency, reducing development time, and ensuring structural reliability in modern aircraft systems.

An interactive question-and-answer session followed the technical presentation, allowing students to clarify concepts related to aircraft structural design, finite element analysis, manufacturing automation, and industry practices. The discussion encouraged active participation and provided valuable exposure to current technological developments in the aerospace field.

The seminar successfully bridged the gap between theoretical knowledge and industrial applications by exposing students to advanced engineering methodologies widely adopted in the aviation and aerospace industries. Participants gained a better understanding of how CAD, CAE, and CAM technologies contribute to the complete lifecycle of aircraft development.

Overall, the seminar was highly informative and beneficial for the students. The Department of Aeronautical Engineering expresses its sincere gratitude to Dr. Prashanth Dalawai for sharing his expertise and valuable insights, as well as to the college management and ASSC Student Chapter for their support in organizing the event successfully.

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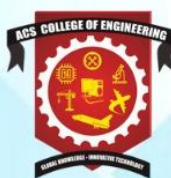
ACS College of Engineering

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Event Poster:



ACS COLLEGE OF ENGINEERING



Affiliated to VTU, Belagavi, Approved by AICTE New Delhi and Govt. of Karnataka



(A Unit of RajaRajeswari Group of Institutions)

Mysore Road, Bengaluru, Karnataka.



DEPARTMENT OF AERONAUTICAL ENGINEERING

IN ASSOCIATION WITH **ASSC STUDENT CHAPTER**

Organizing A SEMINAR On

ADVANCED CAD-CAE-CAM TECHNIQUES FOR AIRCRAFT STRUCTURES AND SYSTEMS



DATE

05-02-2026



TIME

10:45 AM



VENUE

SEMINAR HALL FOURTH FLOOR

Co-ordinator

Mr. ALBERT ALLEN D MELLO

HOD

Dr. G. RAMANAN

Rector

Dr. A. K. MARIAPPAN



RESOURCE PERSON

Dr. PRASHANTH DALAWAI

Registrar

Dr. MEENAKSHI SUNDARAM

Principal

Dr. B. S. SHYLAJA

Founding Director

Indian Institute for Autonomous Systems
Bangalore



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PGCET - T918



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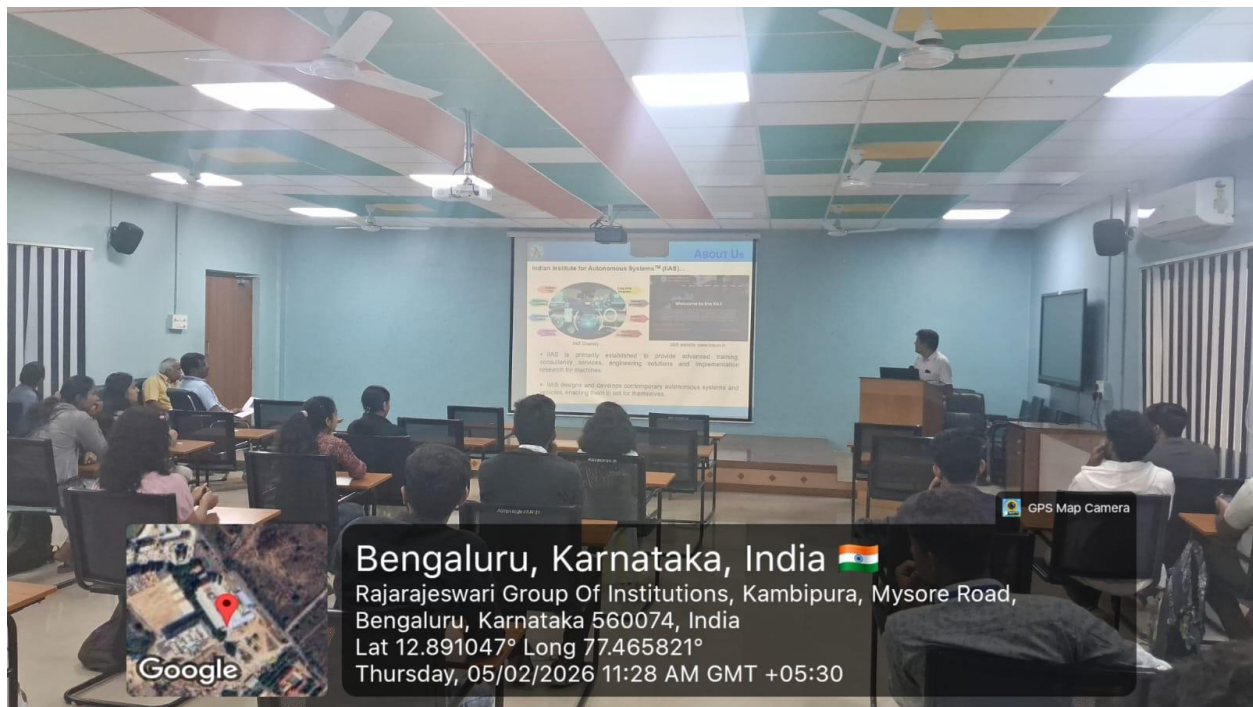
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Event Pictures:



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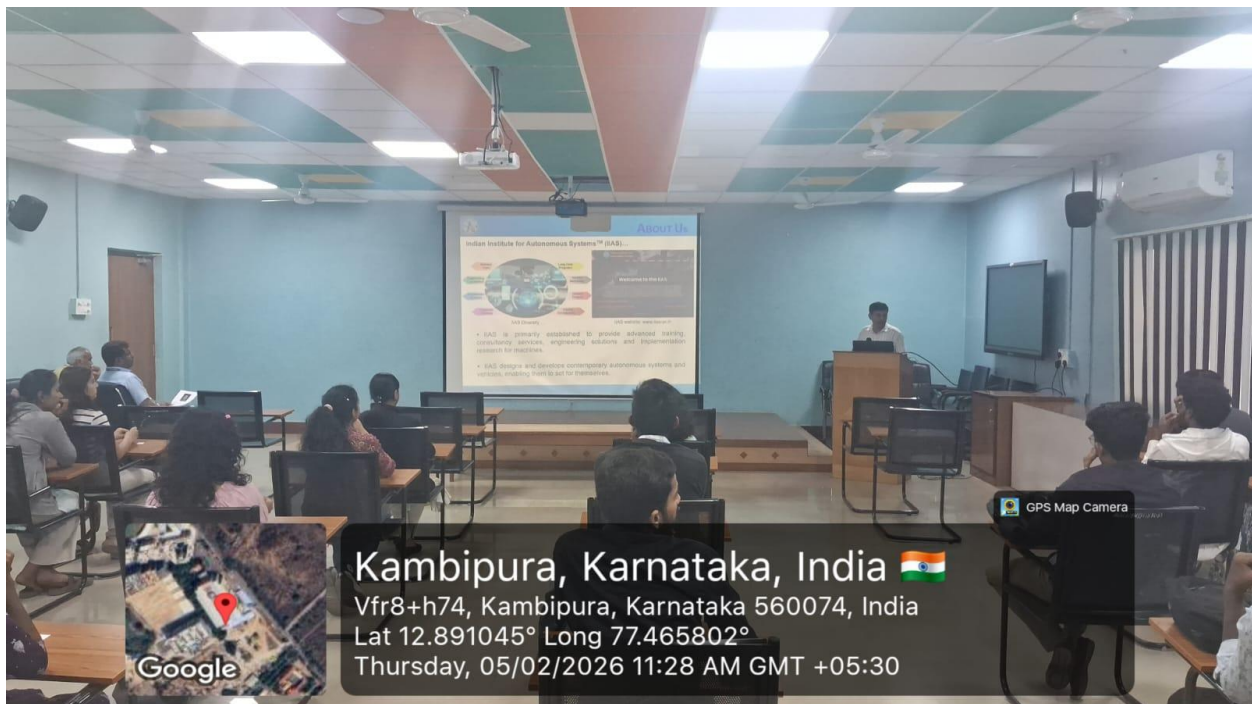


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Lat 12.891036° Long 77.465846°

Thursday, 05/02/2026 11:24 AM GMT +05:30



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Dr.G.Ramanan
HOD-AE

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