

Newsletter



Department Quarterly Report

Jan-Mar 2024

Department of Aeronautical Engineering

**Annasaheb Dange College of Engineering and
Technology,
Ashta.**

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Dr. K. M. Kiran Babu
Head, Department of Aeronautical Engineering

Dear Readers

It gives me immense pleasure to present to you our department's quarterly newsletter for Q2 (Oct-Dec) /AY2023 - 24. This publication serves as a vital bridge connecting our students, faculty, staff, alumni, and external collaborators—highlighting our shared achievements, innovations, and aspirations.

The past quarter has been particularly eventful. From student accolades in national competitions to groundbreaking research collaborations and the successful inauguration of our Advanced Wind Tunnel Facility, our department continues to grow in both capability and reputation. These milestones reflect our unwavering commitment to academic excellence and technological advancement.

Our department remains deeply aligned with the vision and mission of the institute, fostering core competencies in aerospace sciences, engineering fundamentals, and interdisciplinary innovation. We are proud to have a dedicated team of faculty members, many of whom are nationally recognized researchers and mentors, who play a pivotal role in shaping the next generation of aerospace professionals.

As we move forward into a future shaped by aerospace innovation, sustainability, and global collaboration, I encourage all members of our community to actively engage with the opportunities and initiatives featured in this newsletter. Let this publication not only inform but also inspire continued excellence and collective growth.

I extend my heartfelt appreciation to [insert editor's name], Editorial team of the Newsletter for their creative efforts in compiling and designing this edition. I hope you enjoy reading through the updates and stories that reflect the spirit and strength of our department. Let us continue to aim high and push boundaries.

Warm regards,
Dr. Kiran Babu
Head of the Department
Department of Aeronautical Engineering, ADCET, Ashta.

1. FDPs/STTPs/Workshops organized:

The Department of Aeronautical Engineering organized a **Faculty Development Programme on Dassault Systèmes SolidWorks and 3DEXPERIENCE** during the quarter. The program aimed to enhance faculty proficiency in modern CAD tools and digital engineering platforms widely used in aerospace design and manufacturing. The sessions provided hands-on exposure to parametric modeling, assembly design, and collaborative product lifecycle management. The FDP strengthened faculty capability to integrate industry-relevant design practices into teaching, research, and student project guidance.

INFINITE
E-Learning Solutions Pvt. Ltd.

3DEXPERIENCE Works

In Association with

Annasaheb Dange College of Engineering and Technology, Ashta

Faculty Development Program on SOLIDWORKS 2024 & 3DEXPERIENCE

Hands on Workshop on FEA / CFD / MBD (Kinematics) / Solid Modeling

Schedule:
Fri, 2nd & Sat., 3rd February, 2024

SW

Registration Fees: INR 300
(To be paid at the Venue)

REGISTER NOW

Annasaheb Dange College of Engineering, Ashta
Department of Aeronautical Engineering

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Sl.No	Date	Topic	Resource Person	Faculty Coordinator
1	02/02/2024 – 03/02/2024	FDP on Dassault Systemes SolidWorks & 3DEXPERIENCE	Mr Ashish G Kulkarni 3DEXPERIENCE Edu Process Consultant Senior Manager	Mr. Basithrahman A Mr. Karthick P

2. Faculty Participation in FDP/STTP/Workshop:

Faculty members actively participated in various national-level FDPs, workshops, and certification programs conducted by reputed institutions and platforms such as ATAL Academy, ISTE, and

NPTEL–AICTE. The programs covered emerging areas including smart materials, sensor technologies, data analytics, and non-destructive testing. Participation in these programs enabled faculty to update technical knowledge, adopt innovative teaching methodologies, and align academic content with current industry and research trends, thereby enhancing overall academic quality.

Sl.No	Faculty Name	FDP/STTP/Workshop	Duration
1	Dr. Vivekanandan A. K.	ATAL Academy FDP on Recent Advances in Smart Materials and Sensor Technologies at Hindustan Institute of Technology and Science from 08 Jan 2024 to 13 Jan 2024	1 Week
2	Mr. Yogesh B. Kumbhar	ISTE Approved One Week National Level Online Faculty Development Programme on “Data Analytics using Python, SQL and Power BI” from 12 Feb to 17 Feb 2024.	1 Week
3	Mr. L. Oblisamy	NPTEL-AICTE FDP on “Theory and Practice of Non Destructive Testing”	8 Weeks
4	Mr. Basithrahman	NPTEL-AICTE FDP on “Theory and Practice of Non Destructive Testing”	8 Weeks

3. Industry Institute Interaction:

The department strengthened its industry–institute interaction by engaging with leading aerospace, defense, and engineering organizations during the quarter. Collaborations with research laboratories, manufacturing industries, and engineering solution providers facilitated knowledge exchange, student internships, technical mentoring, and consultancy opportunities. These interactions helped bridge the gap between academic learning and industrial practice, ensuring that students and faculty remain aware of real-world engineering challenges and expectations.

Sl.No	Industry Name with Contact Person	Faculty Coordinator
1	Advanced Systems Laboratory, DRDO, Hyderabad	Mr. Oblisamy L and Mr. Karthik P
2	Dynaspede Integrated System, Pvt. Ltd, Hosur, Tamil Nadu	Dr. K. M. Kiran Babu and Mr. Sabarishwaran R
3	Xnomous Pvt Ltd, Bangalore	
4	S & I Engineering Solutions, Bangalore	
5	DRDO, R&DE (E), Pune	
6	Aequs Pvt Ltd, Belagavi, Karnataka	Mr. Reju R and Mr. Sabarishwaran R

7	Gurukrupa Precision works, Pune	
8	Mahindra and Mahindra, Pune	
9	Nextleap Aeronautics Pvt Ltd, Bangalore	
10	Version Next Technologies Pvt Ltd, Andheri, Mumbai	Dr. S. Yuvaraj and Dr. K. M. Kiran Babu
11	Global Vectra Helicorp, Juhu Aerodrome, Mumbai	
12	Innovative Engineering Services, Coimbatore, Tamil Nadu	Mr. Oblisamy and Mr. Sabarishwaran R

4. National Conference on Research and Developments in Aeronautical Engineering (RDAE 2024)

The Department of Aeronautical Engineering successfully organized the National Conference on Research and Developments in Aeronautical Engineering (RDAE 2024) on 15th and 16th March 2024 at Annasaheb Dange College of Engineering and Technology, Ashta, in association with the Aeronautical Society of India (AeSI), Pune Chapter.

The conference served as a national-level platform for academicians, researchers, industry professionals, and students to share and discuss recent advancements in aeronautical engineering. The technical sessions covered a wide range of research areas including aerodynamics, propulsion, aircraft structures, composites, UAVs, space technology, and emerging aerospace systems.

RDAE 2024 witnessed enthusiastic participation from researchers across various institutions, with quality paper presentations that reflected current trends and challenges in aerospace research and development. The conference also provided opportunities for young researchers and students to interact with experts, gain feedback on their work, and enhance their understanding of contemporary aerospace technologies.

The event contributed significantly to fostering a research-oriented culture within the department and strengthened academic collaboration among participating institutions. The successful organization of RDAE 2024 reflects the department's commitment to promoting research, innovation, and technical excellence in the field of aeronautical engineering.



5. Technical Events:

The department successfully organized a **Hot Air Balloon Workshop and Competition**, providing students with experiential learning opportunities in aeronautical engineering fundamentals. The event focused on principles of buoyancy, thermodynamics, and lighter-than-air flight systems. Students actively participated in designing, fabricating, and testing hot air balloons, promoting teamwork, creativity, and practical problem-solving skills. The event effectively reinforced theoretical concepts through hands-on application and stimulated interest in aerospace technologies.



**ANNASAHAB DANGE COLLEGE OF
ENGINEERING AND TECHNOLOGY, ASHTA**
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Workshop & Competition on

Reusable Indoor Hot Air Balloon (RIHAB)

Organized By : Department of Aeronautical Engineering,
ASTRA & ACRA




ASTRA - ADCET ACRA - ADCET
Certificate of Completion

Chief Guest



Dr. Rajkumar Pant
Prof. IIT, Bombay

Date : 27th - 28th Jan 2024

Time : 9.30 am to 4.30 pm

Location :
Aeronautical Department
(Seminar Hall)

▪ Entry Fees : ₹100/-


QR for Registration

Day 1 : Workshop
(Seminar on Basics of HABs)

Day 2 : Competition
(Competition on HABs flight)

Faculty Co-ordinators

- Mr. Reju R.
- Mr. Basithrahman A.

Student Co-ordinators

- Disha Gavali 9730560433
- Shubham Dehadray 7875439021
- Sanika Gurav 9322705054
- Pravin Havale 8888382977

Sl.No	Date	Details	No of Participants	Faculty Coordinator
1	27/01/2024 – 28/01/2024	Hot Air Balloon Workshop and Competition	46	Dr. S. Yuvaraj



Department of Aeronautical Engineering Annasaheb Dange College of Engineering and Technology, Ashta.

Sant Dnyaneshwar Shikshan Sanstha's

Annasaheb Dange College of Engineering and Technology (ADCET), Ashta

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