



DEPARTMENT OF AERONAUTICAL ENGINEERING

QUARTERLY NEWSLETTER



QUARTER 3

January – March 2025 | ACADEMIC YEAR 2024-25

FEATURED ACHIEVEMENT

Fifteen students represented ADCET at the AeSI Glider Competition, MIT Pune



Editorial Board

Role	Name
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FROM THE HEAD'S DESK



Mr. Kiran Babu

Head, Department of Aeronautical Engineering

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It gives me immense pleasure to present the Quarterly Newsletter (Q3: January–March 2025) of the Department of Aeronautical Engineering. This publication serves as a vital platform to showcase the academic, research, and professional activities undertaken by our faculty and students during the quarter.

The past three months have been highly productive, marked by expert lectures from eminent academicians, quality research publications, student internships in reputed organisations, and meaningful industry-institute interactions. These achievements reflect our department's continued commitment to academic excellence, research innovation, and industry relevance.

Our efforts remain aligned with the institute's vision of nurturing technically competent and ethically responsible engineers capable of contributing to the aerospace sector and allied industries. I sincerely appreciate the efforts of the editorial team, faculty members, and students who contributed to this newsletter and made these accomplishments possible.

I hope this newsletter keeps all stakeholders informed and inspired as we move forward together.

— **Mr. Kiran Babu**

Head of the Department, Department of Aeronautical Engineering, ADCET, Ashta



01 RESEARCH PUBLICATIONS

Students and faculty members of the department demonstrated strong research engagement by publishing papers in reputed SCI and Scopus-indexed journals, reflecting the department's commitment to high-quality research and contribution to the global scientific community.

Student / Faculty	Publisher	Journal / Details
Dr. Sudharson Murugan	AIP Publishing	Physics of Fluids, Vol. 37, Issue 137 DOI: 10.1063/5.0244797

Conference Presentations (National / International)

Faculty members actively presented their research findings at national and international conferences, strengthening research visibility and keeping the department abreast of recent advancements in aerospace and allied engineering domains.

Presenter	Host Institution	Conference	Date
Dr. Periyasamy Kaleeswaran	Vel Tech University	1st Intl. Conference on Innovative Materials, Payload, Aerospace and Computing Technologies (IMPACT-25)	26–27 Feb 2025



02 STUDENT WORKSHOPS & COMPETITIONS

Student participation in national- and international-level workshops and competitions plays a vital role in enhancing technical knowledge, practical skills, creativity, innovation, and professional competence, while broadening exposure to industry trends and global practices.

Student	Event	Level	Date
Nakul Jadhav	Hands-on Student Development Programme: Getting Started with Raspberry Pi for Industry (IoT-2.0) — Shivaji University Lead College Scheme	State	27–29 Mar 2025
Atharva Koli	One-day Outreach Programme, TIFR Balloon Facility, Hyderabad	National	18 Mar 2025
Pradyumn Deshmukh	One-day Outreach Programme, TIFR Balloon Facility, Hyderabad	National	18 Mar 2025
Pravin Havale	CAD War, Tech Symposium — DKTE Society's Textile & Engineering Institute	National	15 Mar 2025
Narendrasing Patil	Seminar on Product Design — ABC Training	National	27 Feb 2025
Samiksha Sonawane	National Project Competition "Pioneer 2025" — KIT College of Engineering, Kolhapur	National	22–23 Feb 2025
Janhavi Patil	Webinar on Advanced Spacecraft Propulsion — Mars Exploration Pvt Ltd	National	30 Jan 2025

Glider Competition — Aeronautical Society of India (AeSI), Pune Chapter, at MIT Pune • 17 Jan 2025 • National

A fifteen-member student team represented the department at the Glider Competition, gaining hands-on design and flight-testing experience:

Nikam Aditya Namdev, Kamble Amarnath Manik, Balaji Ratnakar Sawalkar, Raut Shweta Raghunath, Gondhali Vedanti Sameer, Shaikh Aznaan Aslam, Todalbag Arfa Rihan, Thete Manav Kisan, Patil Prathmesh Dilip, Borde Aditya Vilas, Gurav Prachi Gopinath, Jangam Shrutika Manik, Detha Prajakta Changdev, Sourav Kumar, Vagare Shubham Sadashiv, and Mhetre Mrudula Pramod.



03 STUDENT INTERNSHIP

A significant number of students successfully completed internships at reputed organisations including DRDO laboratories, IITs, aerospace industries, and engineering firms, gaining hands-on exposure to real-world engineering problems and industrial workflows.

URN No.	Student	Organisation
21071002	Yash Vijay Gangasagar	Kineco Kaman Composite, Goa
21071005	Siddhi Dilip Vibhute	Hindustan Aeronautics Limited, Nashik
21071007	Mahika Mahesh Kalthé	DRDO – Advanced Systems Laboratory, Hyderabad
21071008	Shivraj Sambhaji Jadhav	KUB Quality Services Pvt Ltd, Pune
21071011	Yashwant Pandurang Waghmode	Flymore Drone, Pune
21071012	Harsh Vinod Nikalje	Innovative Engineering Services, Coimbatore
21071014	Omkar Sudhir Dhale	S & I Engineering Solutions, Bengaluru
—	Muralikrishna Raju Tumma	DRDO – Advanced Systems Laboratory, Hyderabad
21071020	Anuja Pramod More	Flymore Drone, Pune
—	Asit Shankar Sutar	Hindustan Aeronautics Limited, Nashik
—	Aditya Dhananjay Ingale	Star Air, Ghodawat Enterprises Pvt Ltd, Bengaluru



04 INDUSTRIAL CONSULTANCY

The department undertook industrial consultancy projects, providing technical solutions in design and fabrication for external organisations. Faculty expertise was effectively translated into practical engineering services, reinforcing the department's role as a knowledge and solution provider.

Industry	Nature of Consultancy	Amount	Faculty Coordinator
Uday Reshellers and Cast Alloys, Sangli	Ultrasound Testing of Shafts	₹1 Lakh	Dr. S. Yuvaraj

The Department of Aeronautical Engineering sincerely appreciates the collective efforts of its faculty members, students, staff, and industry collaborators during Quarter 3 (January–March 2025) of AY 2024–25. The achievements highlighted in this newsletter — including research publications, student internships, technical visits, industry interactions, and consultancy activities — reflect the department's sustained commitment to academic excellence, research, innovation, and industry engagement.

The department recognises the valuable contributions of its faculty members in strengthening research, pursuing professional development, and guiding students towards academic and career success. We also congratulate our students for actively participating in internships, technical visits, and career-oriented programmes that have enhanced their practical knowledge and professional readiness.

These accomplishments are a source of great pride for the department and reinforce our commitment to continuous improvement, innovation, discipline, and excellence. With the continued support of all stakeholders, we look forward to achieving greater accomplishments in the upcoming quarters.



DEPARTMENT OF AERONAUTICAL ENGINEERING

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