



DEPARTMENT OF AERONAUTICAL ENGINEERING

QUARTERLY NEWSLETTER



QUARTER 2

October – December 2024 | ACADEMIC YEAR 2024-25

FEATURED ACHIEVEMENT

ASTRA Technowings 2K24 — a department-wide technical symposium



Editorial Board

Role	Name
Faculty Editor	Mr. K. M. Kiran Babu
Student Editor	Mr. Tejas Patil — B.Tech Aeronautical Engineering, Third Year
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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 (Q2: October-December 2024) 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 EXPERT & GUEST LECTURES

During the quarter, the department successfully organised expert and guest lectures aimed at enhancing students' conceptual understanding and exposure to emerging aerospace technologies. These sessions encouraged technical curiosity, interdisciplinary thinking, and awareness of current research trends in aeronautical engineering.

Date	Programme	Resource Person
15 Oct 2024	Essay Writing and Group Discussion Competition	Mr. Kiran Babu
28-30 Nov 2024	Technowings 2K24 — A Technical Symposium	Aeronautical Engineering Students Technical Research Association (ASTRA)

WHY IT MATTERS

Student-led symposia such as Technowings 2K24 build organisational leadership and technical communication skills alongside core engineering knowledge.



02 CONFERENCE PRESENTATIONS

Students actively presented their research findings at national and international conferences during the quarter. These presentations provided platforms for scholarly interaction, technical discussion, and peer feedback, strengthening research visibility and encouraging collaborative opportunities.

Students	Publisher / Journal	Details
Prathamesh H. Bothale, Sanika H. Jagdale (V Sem)	Intl. Research Journal of Modernization in Engineering Technology and Science	Vol. 06, Issue 12 · Dec 2024
Darshana Tanaji Patil, Vishaka Shivling Dapkar (V Sem)	Intl. Research Journal of Modernization in Engineering Technology and Science	Vol. 06, Issue 12 · Dec 2024
Ketan Ramesh Patil (V Sem)	Intl. Research Journal of Modernization in Engineering Technology and Science	Vol. 06, Issue 12 · Dec 2024
Charwak Wase, Omkar Waghmare (V Sem)	Intl. Research Journal of Modernization in Engineering Technology and Science	Vol. 06, Issue 12 · Dec 2024
Sanjyot Rajendra Jangam, Rutuja Balakrushn Pawar (V Sem)	Intl. Research Journal of Modernization in Engineering Technology and Science	Vol. 06, Issue 12 · Dec 2024
Sanika Shivaji Vhanagade (V Sem)	Intl. Research Journal of Modernization in Engineering Technology and Science	Vol. 06, Issue 12 · Dec 2024
Pradyumn Makarand Deshmukh, Tanvi Laxman Dhuri (V Sem)	Intl. Research Journal of Modernization in Engineering Technology and Science	Vol. 06, Issue 12 · Dec 2024



03 STUDENT WORKSHOPS & COMPETITIONS

Student participation in national- and international-level workshops and competitions enhances technical knowledge, practical skills, creativity, and professional competence, while broadening exposure to industry trends and global practices.

Student	Event	Level	Date
Rohan Badiger	Paper Presentation, Discovery 2024	State	19 Oct 2024
Pravin Havale	Paper Presentation, Discovery 2024	State	19 Oct 2024
Smruti Divate	Paper Presentation, Discovery 2024	State	19 Oct 2024
Samiksha Sonawane	Paper Presentation, Discovery 2024	State	19 Oct 2024
Pravin Havale	Workshop on Product Management — Jobaaj Learnings	State	10 Oct 2024



04 STUDENT INTERNSHIP

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

URN No.	Student	Organisation
22071018	Shraddha Ravindra Kashid	Chhatrapati Rajaram Maharaj Airport
22071043	Avinash Sanjay Ghatage	—
22071029	Anil Nandkumar Bhanuse	—
22071050	Devesh Raina	—

Industry Visit / Field Trip

The department organised industry visits and technical exposure trips to provide students with firsthand experience of industrial practices and advanced technologies, helping them understand practical applications of classroom concepts and career opportunities in specialised domains.

Date	Industry	Students	Faculty Coordinator
19 Sep 2024	Kolhapur Airport Visit	94	Mr. R. Reju



94 students of Second and Third Year at Kolhapur Airport for the field visit on 19 September 2024

05 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
Dr. Patangrao Kadam Sonhira Sahakari Sakhar Karkhana Ltd.	Ultrasound Testing of Shafts	₹0.84 Lakh	Dr. S. Yuvaraj



ACKNOWLEDGEMENTS

The Department of Aeronautical Engineering sincerely appreciates the collective efforts of its faculty members, students, staff, and industry collaborators during Quarter 2 (October–December 2024) of AY 2024–25. The achievements highlighted in this newsletter — including expert lectures, 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. The continued support of industry partners and research organisations has further strengthened the integration of academic learning with real-world engineering applications.

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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