



SANT DNYANESHWAR SHIKSHAN SANSTHA'S

**ANNASAHEB DANGE COLLEGE OF ENGINEERING AND TECHNOLOGY, ASHTA**

*(An Empowered Autonomous Institute)*

## DEPARTMENT OF AERONAUTICAL ENGINEERING

### QUARTERLY NEWSLETTER



# QUARTER 3

**Quarterly Newsletter**

January – March 2026 | ACADEMIC YEAR 2025-26



## Editorial Board

| Role              | Name                                                                |
|-------------------|---------------------------------------------------------------------|
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## FROM THE HEAD'S DESK



**Dr. Yuvraj**

Head, Department of Aeronautical Engineering

“

It gives me immense pleasure to present the Quarterly Newsletter (Q3: January–March 2026) of the Department of Aeronautical Engineering. This publication serves as a 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 four expert sessions including a technical-writing STTP and an FDP on hydrogen energy, a journal publication and a conference presentation, thirteen instances of student participation in workshops and competitions, a placement-linked industry partnership with Revv Aerospace, and two well-attended career guidance programmes on aviation careers and the armed forces. 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 made this newsletter possible.

— **Dr. Yuvraj**

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



## VISION & MISSION

### OUR VISION

*To be a centre of excellence in aeronautical engineering education, producing globally competent engineers who contribute to the advancement of aerospace science, technology, and allied industries.*

### OUR MISSION

|                                                                                                                                                                |                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <p>★ <b>M1</b></p> <p>Impart quality education in aeronautical engineering through effective teaching-learning practices and modern laboratory facilities.</p> | <p>★ <b>M2</b></p> <p>Foster a culture of research, innovation, and design thinking among students and faculty.</p> |
| <p>★ <b>M3</b></p> <p>Strengthen collaboration with industry, R&amp;D organisations, and alumni for practical exposure and career readiness.</p>               | <p>★ <b>M4</b></p> <p>Inculcate professional ethics, teamwork, and lifelong learning among students.</p>            |



## HIGHLIGHTS OF THE QUARTER

Quarter 3 (January–March 2026) was marked by a strong emphasis on faculty and student capability-building — through a technical-writing STTP, a hydrogen-energy FDP, an alumnus-led industry session, sustained research output, and thirteen instances of student participation in workshops and competitions — alongside a placement-linked industry partnership and impactful career-guidance programmes.

4

EXPERT SESSIONS

2

RESEARCH OUTPUTS

13

WORKSHOPS / COMPETITIONS

110

CAREER PROG. REACH

Expert Sessions

Research Outputs

Workshops/Competitions

Career Sessions

Industry Interactions



4

2

13

2

1



## 01 EXPERT & GUEST LECTURES

*The department organised a series of expert sessions spanning technical communication, computational tools, alumni industry insight, and sustainable-energy systems — broadening both technical and professional skill sets.*

| Date           | Programme                                                                         | Resource Person                                                                  |
|----------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 23–25 Feb 2026 | Three-day STTP on Technical Writing for Engineers                                 | Mr. Amit Gavali, Asst. Professor, DYPSEM; Dr. S. Sendhil Kumar, Professor, ADCET |
| 23 Feb 2026    | Session on MATLAB Fundamentals                                                    | Department Faculty                                                               |
| 15–16 Mar 2026 | Alumnus Session — “Recent Trends in Aeronautical Industries”                      | Mr. Ganesh Mali, Design Engineer, Cyient, Hyderabad (2016–20 Batch)              |
| 18 Mar 2026    | One-week FDP — “Hydrogen Energy: Systems, Applications, Storage & Next-Gen Fuels” | Department Faculty                                                               |



*Technical Writing STTP in session*



*Faculty and resource persons at the STTP*



## 02 RESEARCH PUBLICATIONS & CONFERENCE PRESENTATIONS

*Faculty and students sustained the department's research momentum with a journal publication and a conference presentation, reinforcing its commitment to scholarly output and knowledge dissemination.*

### Journal Publication

| Author              | Publisher     | Journal                                                                                          | Details             |
|---------------------|---------------|--------------------------------------------------------------------------------------------------|---------------------|
| Mr. Sanoj P. Suresh | Sage Journals | Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering | Volume 240, Issue 9 |

### Conference Presentation

| Presenter                     | Host Institution | Conference                                                                                                      | Date           |
|-------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------|----------------|
| Anuja Deshmukh, VIII Semester | IITRAM           | International Conference on Futuristic Advancements in Materials, Manufacturing & Thermal Sciences (ICFAMMT-26) | 16–18 Jan 2026 |



### 03 STUDENT WORKSHOPS & COMPETITIONS

*Students represented the department across a wide spread of national, international, and state-level workshops, hackathons, and exhibitions, reflecting strong engagement in emerging technologies and innovation platforms.*

| Student         | Event                                                                           | Level         | Date           |
|-----------------|---------------------------------------------------------------------------------|---------------|----------------|
| Prathamesh Mali | Intl. Conference on Mechanics, Materials & Mechatronics, Mahindra University    | International | 23–25 Mar 2026 |
| Sanket Munde    | Metromorphosis — J.J. Magdum College of Engineering                             | State         | 18 Mar 2026    |
| Aditya Borde    | Hackathon Season 3 — Annasaheb Dange College of Engineering & Technology        | National      | Mar 2026       |
| Aditya Borde    | DIPEX 2026 State-Level Exhibition-cum-Competition of Working Models, MIT        | State         | 5–8 Mar 2026   |
| Aditya Borde    | Idea Presentation, DIPEX 2026 — Government College of Engineering               | State         | 12 Feb 2026    |
| Harsh Shete     | Webinar on Career Guidance, Grad Guru Innovation                                | State         | 27 Feb 2026    |
| Mrudula Mhetre  | STTP on Technical Writing for Engineers, Shivaji University Lead College Scheme | State         | 23–25 Feb 2026 |
| Pravin Havale   | Workshop on Quantum Computing, Foundation for QC Innovation, IISc               | National      | 9–13 Feb 2026  |

The department also congratulates Swapnil Dhoble, Rajwardhan Katkar, Shreyas Naykode, Soham Bait, and Kedar Bashinge for their active participation in additional inter-collegiate technical events during the quarter.



## 04 INDUSTRY-INSTITUTE INTERACTION

*The department strengthened its placement and training pipeline through a focused partnership with Revv Aerospace Pvt Ltd, combining industrial training with direct interaction between practising engineers and students.*

| Date        | Industry Partner             | Nature of Interaction                          |
|-------------|------------------------------|------------------------------------------------|
| 20 Jan 2026 | Revv Aerospace Pvt Ltd, Pune | Placement and industrial training for students |



*Expert interaction with students by Revv Aerospace Pvt Ltd, Pune*



## 05 CAREER GUIDANCE PROGRAMMES

*Career guidance sessions this quarter combined industry perspective with alumni inspiration, orienting students towards both civil aviation careers and service in the Indian Armed Forces.*

| Date           | Programme                                                                                                                          | Participants |
|----------------|------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 16 Jan 2026    | Guest lecture — “Career Pathways in Aviation and Aerospace Technology”                                                             | 50           |
| 23–25 Feb 2026 | Alumnus motivational session — “Join Indian Armed Forces” by Ms. Jyoti Anil Pyati, Lieutenant, Indian Armed Forces (2019–23 Batch) | 60           |



*Career guidance on “Join Indian Armed Forces”*



*Guest lecture on aviation and aerospace career pathways*



*Students with the visiting resource person after the career guidance session*



## 06 INDUSTRY VISIT / FIELD TRIP

*Technical exposure visits gave students first-hand experience of specialised industrial practices, including non-destructive evaluation techniques, helping bridge classroom concepts with real industry standards.*



Students during the industrial technical visit



Hands-on exposure to industrial equipment and practices

### WHY IT MATTERS

Exposure to specialised domains such as non-destructive evaluation gives students a practical edge that complements classroom learning and strengthens industry readiness.



## LOOKING AHEAD & ACKNOWLEDGEMENTS

### Upcoming for Q4

The department looks ahead to expert sessions on propulsion and space technologies, continued research output, and an active season of student internships as the academic year draws to a close.

|                                                                                                                             |                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <p>★ <b>Expert Lectures</b></p> <p>Sessions planned with scientists from premier national space research organisations.</p> | <p>★ <b>Research Output</b></p> <p>Multiple manuscripts in the pipeline for SCl/Scopus-indexed journals.</p>                 |
| <p>★ <b>Summer Internships</b></p> <p>Large-scale student placement for internships across the aerospace industry.</p>      | <p>★ <b>Conference Participation</b></p> <p>Faculty and student presentations at national and international conferences.</p> |

The Department of Aeronautical Engineering sincerely appreciates the collective efforts of its faculty members, students, staff, and industry collaborators during Quarter 3 (January–March 2026) of AY 2025–26. The achievements highlighted in this newsletter reflect the department's sustained commitment to academic excellence, research, innovation, and industry engagement.

These accomplishments are a source of great pride for the department and reinforce our commitment to continuous improvement, innovation, discipline, and excellence in the quarters ahead.



## DEPARTMENT OF AERONAUTICAL ENGINEERING

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