

Newsletter

AY2023-24

Department of Aeronautical Engineering



Sant Dnyaneshwar Shikshan Sanstha's

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

An Empowered Autonomous Institute, Affiliated to Shivaji University, Kolhapur, Approved By AICTE, New Delhi & Govt. of Maharashtra

Accredited by NAAC 'A++' Grade, Bangalore

Eligible Programs Accredited by NBA, New Delhi



Jul-Sept 2023



Institute Vision

To be a Leader in producing professionally competent engineers

Institute Mission

We, at Annasaheb Dange College of Engineering and Technology, Ashta, are committed to achieve our vision by

- ✓ Imparting effective outcome based education.
- ✓ Preparing students through skill oriented courses to excel in their profession with ethical values.
- ✓ Promoting research to benefit the society.
- ✓ Strengthening relationship with all stakeholders.

Our Department Vision

To be a leader in producing competent aeronautical engineers to meet the present and future needs of the aeronautical and allied industries.

Our Department Mission

We, at the Department of Aeronautical Engineering, Annasaheb Dange College of Engineering and Technology, Ashta are committed to achieve our vision by

- ✓ Preparing the students with good fundamental knowledge of aeronautics through outcome-based education.
- ✓ Imparting technical knowledge in tune with the current industry requirements through skill-oriented courses.
- ✓ Promoting research culture among the faculty and students through sponsored and consultancy projects with industries and research establishments.
- ✓ Establishing relationships with all the stakeholders for the benefit of students.

Editorial Board

Role	Name
Faculty Editor	Mr. K. M. Kiran Babu
Student Editor	Ms.Mahika Mahesh Kalthé — B.Tech Aeronautical Engineering, Third Year
Student Co- Editor	Mr.Dheeraj Nitin Chawda— B.Tech Aeronautical Engineering, Third Year
Proof Reader	Ms.Bhumika Jitendra Patil — B.Tech Aeronautical Engineering, Second Year
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HOD Desk



Mr. 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 Q1 (July - Sept) /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 Editorial team of the Newsletter for their creative efforts in compiling and designing this edition. I also thank all faculty and staff for their continued dedication to our teaching, research, and mentoring missions.

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,
Mr. Kiran Babu
Head of the Department
Department of Aeronautical Engineering, ADCET, Ashta.

1. Industry Institute Interaction

Bridging the gap between academia and industry is more than a goal—it's a necessity. Through meaningful collaborations, guest sessions, industrial visits, and joint initiatives, our department has been actively fostering connections that bring real-world relevance into the classroom. These interactions not only expose students to current industry practices but also open doors for internships, research partnerships, and future careers. This section highlights the dynamic engagements between our institute and industry leaders, reflecting our commitment to preparing students for the challenges and opportunities of tomorrow's workforce.

Sl. No	Date of Event	Nature of Interaction	Industry Name & Contact Person
1	28/07/2023 & 29/07/2023	"07 th Edition of Aerospace and Defense Manufacturing Show – ADMS 2022	Faculty Delegation of Four Members to the Expo in Bengaluru
2	29/07/2023	Laboratory Development & Guest Lecture	Mr. Vijay Kumar M Director-Technical Dynatec, 130 Palace Cross Road ,Bangalore, India.
3	01/08/2023	Curriculum Development & Campus Recruitment	Dr. Shashidhar S Principle Engineer Collins Aerospace, Bengaluru.
4	23/09/2023	Airport Field Trip Students Engage with Technical Experts	Airport Manager, Kolhapur Airport

2. Guest Lecture Organized by the Department

Learning doesn't stop at textbooks—and our department knows that well. By inviting experts from academia and industry, we've created vibrant spaces where students and faculty alike can explore new ideas, ask bold questions, and connect theory with real-world insight. These guest lectures offer more than just knowledge—they spark curiosity, broaden perspectives, and often leave a lasting impression. This section highlights the enriching sessions hosted by the department, showcasing our commitment to bringing fresh voices and valuable experiences into the learning journey.

Sl. No.	Date of Event	Lecture/ Program Topic	Guest/ Trainer Details
1	12/08/2023	Introduction to Fuel Cell Chemistry	Dr. S. Kalaiselvan Professor/Chemistry M. Kumarasamy College of Engineering, Karur, Tamilnadu.

2	14/09/2023	Hydrogen fuels and its Applications for EV's	Mr. Anand Thakar CADCAMGURU, Pune, Maharashtra.
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3. Celebrating Visionaries: Special Academic Events

Our campus honored the spirit of visionary leadership and engineering excellence through two standout academic events. A tribute to Dr. A. P. J. Abdul Kalam sparked deep reflection and dialogue, with seminar talks and essay competitions that challenged students to think boldly and dream fearlessly.

Meanwhile, a high-energy celebration of Engineers Day brought technical brilliance to the forefront. Events like APTI-Master and CAD Master pushed boundaries of design and problem-solving, showcasing the sharp minds shaping tomorrow. These moments weren't just commemorations—they were catalysts for curiosity, creativity, and change.

Sl. No.	Date of Event	Event Name	Organizer
1	27/07/2023	"The 7th Commemoration Day of His Excellency Dr. A. P. J. Abdul Kalam" Research Seminar Talks & Student Essay Writing competition	Department of Aeronautical Engineering
2	13/09/2023	"Abhiyanta-Utsav on Engineers Day" APTI-Master & CAD Master	ACRA (Student) Club

4. Faculty Contribution in Research Publications/Conferences

Great ideas deserve to be shared—and our faculty members have been doing just that. From publishing cutting-edge research to presenting at prestigious conferences, their contributions continue to shape academic conversations and inspire innovation. These efforts reflect not only their expertise but also their passion for pushing boundaries and exploring new frontiers in their respective fields.

This section highlights the remarkable work our educators are doing to advance knowledge, collaborate with peers, and make a meaningful impact beyond the classroom.

Sl. No.	Name of the Faculty	Source Link
1	Dr. A. K. Vivekanandhan	Sivakumar, M., A. K. Vivekanandan , G. Panomsuwan, V. Veeramani, S-H. Chen, Z. Jiang, and T. Maiyalagan. "Flower-like NiCo2O4

	Asso. Prof.	nanoflake surface covered on carbon nanolayer for high-performance electro-oxidation of non-enzymatic glucose biosensor." Materials Today Chemistry 26 (2022): 101156. SCI/Scopus Indexed Journals: DOI: https://doi.org/10.1016/j.mtchem.2022.101156
2	Dr. N.V. Raghavendra Asso. Prof & Mr. Sabarishwaran R Assit. Prof.	N.V. Raghavendra and Sabarishwaran R , Computational analysis for optimal location of open sunroof for an SUV with ahmed body profile, 10th National Conference on Recent Developments in Mechanical Engineering [RDME 2022] organized by Modern Education Society's College of Engineering in association with AIP Publisher, USA. National Conference: https://doi.org/10.1063/5.0169024
3	Mr. K. M. Kiran Babu Assit. Prof.	KM Kiran Babu , S Gulawani, RS Pant, Multi-Disciplinary Design Optimization Studies on Buoyant System for Exploring Venusian Atmosphere, 44th COSPAR Scientific Assembly. Held 16-24 July, 2022 National Conference: https://ui.adsabs.harvard.edu/abs/2022cosp...44.3363K/abstract

5. From Campus to Nation: Student Success in Premier Competitions

Sl. No.	Date of Event	Event Name	Organizer
1	15/07/2023	AAKRUTI 2022 – A Nationwide Design Challenge	Dassault Systems
2	25/08/20223	SMART INDIA HACKATHON 2022 - Hardware Edition	Ministry of Education and AICTE

6. Compassion in Motion: Student-Led Social Impact Events

True leadership begins with empathy, and our students have shown just how impactful compassion can be when paired with action. Through initiatives like blood donation drives and tree plantation camps, they've stepped beyond the classroom to serve the community and the environment. These events, organized under the NSS Cell, reflect a growing culture of responsibility, kindness, and civic engagement. Whether it's saving lives or planting hope, our students are proving that small acts of service can ripple into lasting change.

Sl. No.	Date of Event	Event Name	Organizer
1	07/07/2023	"Blood Donation Camp" 10 Students Donated Blood 02 Volunteers	NSS Cell

2	11/07/2023	"Tree Plantation Camp" 10 Students Participated	NSS Cell
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7. Alumni Connect: Guiding Futures in Aeronautical Engineering

On 24th September 2022, the Department of Aeronautical Engineering hosted a vibrant Alumni Meet, bringing together 22 accomplished alumni and 60 enthusiastic students. The event served as a bridge between experience and aspiration, offering students firsthand insights into industry trends, job profiles, and career pathways.

From GATE exam guidance to LinkedIn strategies and project suggestions, alumni shared practical advice and personal journeys that inspired and informed. With 82 attendees, the session sparked meaningful conversations and strengthened the bond between past and present members of the department.

It wasn't just a meet—it was a moment of mentorship, motivation, and momentum.

8. Student Placement Report – Q1 (2023–2024)

The department proudly shares the placement achievements of its students for the first quarter of the academic year. Our students have secured positions in reputed organizations, reflecting their dedication and the department's commitment to excellence.

Placement Summary

- Total Eligible Students: 67
- Total Students Placed: 14
- Placement Percentage: 21%
- Average Package Offered: ₹4.0 LPA

Recruiting Companies			
Companies	No. of Students Placed	Highest Package	Average Package
TCS Digital	2	₹7.0 LPA	₹7.0 LPA
TCS Ninja	11	₹3.36 LPA	₹3.36 LPA
KPIT	1	₹4.5 LPA	₹4.5 LPA

List of Placed Students

Sl. No.	Name of the students	Company	Package
1	Akshay Annasaheb Gorde	TCS Digital	₹7.0 LPA
2	Prasad Laxman Magar		
3	Harshal Dinesh Diwate	TCS Ninja	₹3.36 LPA
4	Swapnili Somnath Shintre		
5	Yash Surendra Mane		
6	Sandip Suryabhan Anap		
7	Saurabh Sharma		
8	Harshada Ganesh Pudale		
9	Vaishnavi Venkat Reddy		
10	Saurabh Someshwar Bhatkar		
11	Akash Dilip Kekan		
12	Devansh Avinash Mirjawe		
13	Umanand Mahesh Yadav		
14	Omkar Kakasaheb Bakale	KPIT	₹4.5 LPA

9. Student Internship Report – Q1 (2023–2024)

Internships play a vital role in bridging academic learning with real-world experience. During the first quarter of the academic year, several students secured internships at prestigious organizations, gaining valuable exposure to industry practices and research environments.

Internship Summary

- **Total Students Interned:** 10
- **Key Organizations:**
 - Advanced Systems Laboratory, DRDO, Hyderabad
 - Hindustan Aeronautics Limited (HAL), Nasik

List of Placed Students

Sl. No.	URN No.	Name of Student	Name of Company
1	17171011	Shruti Sanjay Gaikwaid	Advanced Systems Laboratory, DRDO, Hyderabad
2	19171014	Trunika Shivaji Bhujbal	
3	19171007	Mansi Himmat Sisale	
4	20172005	Shruthi Govind Kulkarni	
5	20172002	Jeetisha Pravin Jadhav	HAL, Nasik
6	20171013	Hitesh Bawarlal Rathod	Advanced Systems Laboratory, DRDO, Hyderabad
7	20171024	Dhanraj Santosh Munj	
8	20171020	Harshal Suresh Makasare	
9	20171008	Yash Govind Gadekar	
10	20171030	Sangram Sanjay Patil	

