



IARE
INSTITUTE OF
AERONAUTICAL ENGINEERING

IARE

SYNERGY *Newsletter*

Quarter 1, Issue 1 | Jan–Mar 2026

Innovation

Academic Excellence

Research

Enterprise Collaboration

Your Talent – Innovation – Research Partner

**ACCESS
FUTURE READY
TECHNOLOGY
TALENT**

Management



Sri Marri Rajasekhara Reddy

Chairman

Sri Marri Rajasekhara Reddy, since his young age has shown great flair in managing and nurturing educational institutions. For him, quality is the way of life. He envisioned a technological revolution and committed himself to establish an institution, to foster technical and higher education. Under his dynamic leadership, IARE is reinforcing its position as an institution of eminence in Hyderabad and beyond



Sri Ch Sathi Reddy

Secretary and Correspondent

Sri Sathi Reddy is a visionary and industrialist. He is a post graduate in Mechanical Engineering from Osmania University. MTE industries, established in 1984 has risen, flourished, and gained international recognition for manufacturing and exporting CNC machines under his leadership. He has also established successful engineering and pharmaceutical institutions. He is one of the co-founders of IARE.



Sri B Rajeshwar Rao

Executive Director & Treasurer

Sri Rajeshwar Rao is an outstanding entrepreneur with more than three decades of experience in spearheading and managing educational as well as private sector enterprises. He is the founder of Sri Rama Nonferrous Foundry and vice chairman of The Kranthi Cooperative Urban Bank Ltd. Since the inception of IARE, he has left no stone unturned to provide the best infrastructure and facilities on a par with the industry standards.

Principal's Message



Dr. L V Narasimha Prasad

PRINCIPAL

Professor of Computer Science and Engineering

Dear Leaders,

We are pleased to present the First Quarter edition of our newsletter – IARE Synergy (2026). It is a proud moment as we celebrate 26 years of academic excellence, innovation, and institutional growth at the Institute of Aeronautical Engineering.

Over the years, IARE has consistently demonstrated quality and commitment, reflected in our continued presence in the NIRF Engineering Rankings (151–200 band) for eight consecutive years and the NIRF Innovation Ranking (11–50 band). These recognitions highlight our sustained focus on academic excellence, innovation, and industry relevance.

Today, India is witnessing rapid expansion in Global Capability Centers (GCCs) alongside the transformative wave of Artificial Intelligence, Deep Learning, and emerging technology innovation ecosystems. At the same time, Quantum Computing is rapidly gaining momentum worldwide, opening new frontiers in science, computing, and enterprise innovation. This presents a tremendous opportunity for academia and industry to collaborate as forward-thinking partners in research, innovation, and intellectual property creation.

With AI, Machine Learning, Cybersecurity, Quantum Computing, and Digital Engineering reshaping industries, institutions must evolve beyond traditional learning models. At IARE, we are building a future-ready talent ecosystem through CBC- Competency Building & Consulting, designed to

prepare students with deep expertise in AI, ML, Cybersecurity, Cloud, Data Engineering, and Quantum Computing, ensuring that enterprises and GCCs have access to high-impact technology talent ready for the next wave of innovation.

We invite enterprises and Global Capability Centers to partner with us in joint innovation and applied research initiatives, and to access our top future-ready technology talent across emerging technologies and domains.

At IARE, we also recognize that Diversity & Inclusion (D&I) is critical for cultivating a strong organizational and academic culture. Our International Women's Day 2026 celebrations reflect our commitment to promoting equity, inclusion, and leadership opportunities for women in STEM programs, creating an environment where innovation thrives through diversity.

Together, we can transform collaboration into strategic innovation by leveraging academic research, intellectual capital, and our growing innovation ecosystem to develop impactful technologies and solutions.

We sincerely thank you for taking the time to read this edition of IARE Synergy, and we look forward to keeping you informed through our quarterly and annual updates.

Let us work together to build technologies, talent, and transformation that will define India's next decade.

Vision

To bring forth students professionally competent and socially progressive, capable of working across cultures meeting the global standards ethically.

Mission

To provide students with an extensive and exceptional education that prepares them to excel in their professions guided by dynamic intellectual community and be able to face the technically complex world with creative leadership qualities. Further, be instrumental in emanating new knowledge through innovative research that emboldens entrepreneurship and economic development for the benefit of wide spread community.

Quality Commitment

IARE is committed to delivering academic excellence, industry-relevant education, and research-driven innovation, while building a strong future-ready talent ecosystem aligned with global technology trends and industry needs.

Institute Profile

- Name : Institute of Aeronautical Engineering (IARE)
- Estd. Year : 2000
- Managed by : Maruthi Educational Society, Hyderabad
- Approved by : All India Council for Technical Education, New Delhi
- NIRF Engineering : One among top 200 in engineering category, since 2017
- NIRF Innovation : One among top 11-50 in Innovation category, since 2021
- Accreditation : NBA accreditation for 100% Eligible B.Tech programs
NBA accreditation for 85% M.Tech programs and MBA program
NAAC A++ Grade with a Score of 3.62 on a four point scale.
- Autonomy : Autonomous status from University Grants Commission (UGC), New Delhi since 2016
- Affiliated to : Jawaharlal Nehru Technological University Hyderabad, Hyderabad
- Campus : Dundigal, Hyderabad – 500043, Telangana
- Distance : Secunderabad - 20 km; JNTUH, Kukatpally - 12 km
- Phone : 040 - 29705852, 53, 54
- Email / Web : info@iare.ac.in / www.iare.ac.in



IARE Achievement – ISO Certification

IARE has been awarded ISO Certification, reflecting its commitment to global quality standards, structured processes, and continuous improvement. This recognition strengthens the institute’s credibility in delivering consistent, outcome-driven, and industry-aligned education.



IARE Recognition – Sustainability Excellence

IARE received an Appreciation Certificate from the ITC Chairman, in the presence of the Honourable Governor of Telangana, for its significant contributions towards green initiatives and carbon reduction efforts.



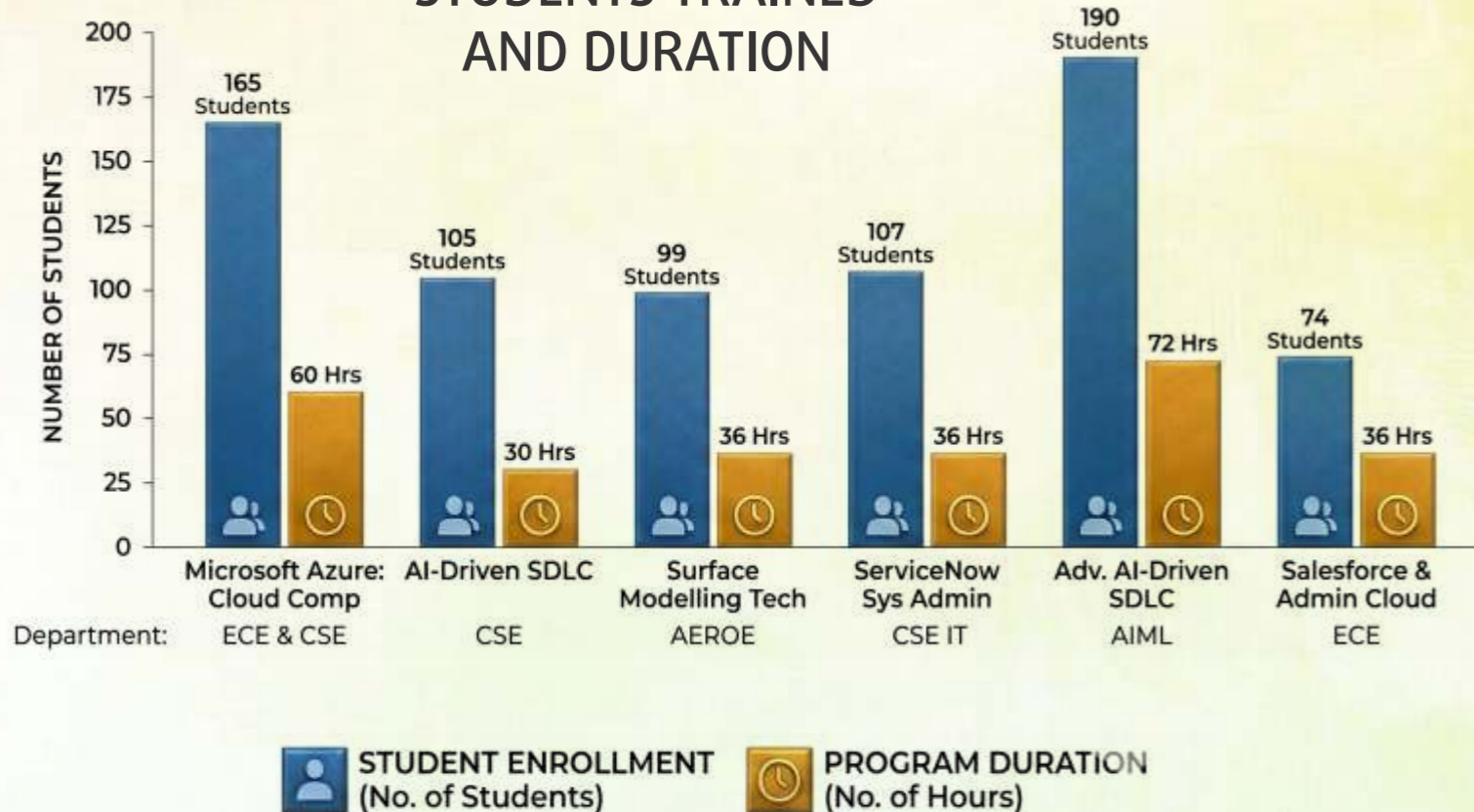
CBC - COMPETENCY BUILDING AND CONSULTING

CBC is IARE's flagship initiative focused on delivering cutting-edge technology competencies through immersive, industry-aligned learning experiences.

It transforms traditional classrooms into smart, collaborative, and innovation-driven environments, enabling students to gain hands-on expertise in domains such as Cloud Computing, Artificial Intelligence, Enterprise Platforms, and Advanced Engineering Design.

With a strong emphasis on experiential learning, real-world problem solving, and deep industry integration, CBC plays a pivotal role in building future-ready engineers equipped to meet the evolving demands of GCCs and the global technology ecosystem.

CUTTING-EDGE TECHNOLOGIES STUDENTS TRAINED AND DURATION



Strategic Innovation & Industry Impact Highlights

Samsung Innovation Campus

Building Future-Ready Tech Talent

IARE successfully delivered the Samsung Innovation Campus program, training 200+ students in Web Design, Mobile App Development, and Artificial Intelligence in collaboration with EroTek Innovation College. The initiative significantly strengthened employability and industry readiness, earning recognition from Samsung's Global Vice President, with top projects awarded at the national level.

IN-SPACe Antariksh Prayog Shala

Advancing Space-Tech Capabilities

IARE's participation in the IN-SPACe Antariksh Prayog Shala (Space Labs) program enabled hands-on exposure to space technologies and research-driven learning, aligning student capabilities with the evolving national space ecosystem.

Virtusa Jatayu Ideathon

Driving Generative AI Innovation

IARE students participated in the prestigious Virtusa Jatayu Ideathon themed "Idea to Industrialization," developing real-world Generative AI prototypes. The platform enabled strong industry exposure and reinforced a culture of innovation and applied problem-solving.



Civil Engineering Innovation

Sustainable Water Management Solution

The Civil Engineering Department developed an Automated Water Surface Floating Trash Collection Vehicle, showcasing applied engineering to solve real-world environmental challenges. This initiative reflects a strong focus on sustainability, practical innovation, and societal impact—contributing to cleaner and smarter urban ecosystems.

Faculty Development & Industry Integration

Building Faculty as Strategic Enablers of Industry-Ready Talent

IARE is committed to positioning its faculty at the forefront of industry-relevant learning and capability development, ensuring strong alignment between academic delivery and evolving enterprise needs.

Two faculty members were nominated to the Wipro TalentNext Certified Faculty (WCF) Program on .NET Full Stack Development at the Hyderabad campus. The 10-day immersive engagement enabled hands-on exposure to enterprise technologies and modern development practices.

IARE encourages industry partners to integrate faculty into their Learning & Development (L&D) ecosystems, enabling continuous knowledge exchange and strengthening the academia-industry talent pipeline.

IARE International Exchange & Internship Programs

Centre for International Affairs



As part of IARE's elevated global learning initiatives, four engineering students successfully completed an international internship at Universiti Malaya. This milestone reflects the institute's strong commitment to global exposure and the growing credibility of its students.

Such programs enable IARE students to gain international experience, demonstrate technical excellence, and build the adaptability required to excel in global academic and industry environments.

Innovation, Research & IP Leadership

At Institute of Aeronautical Engineering, a strong research culture drives innovation, technology development, and intellectual property creation.

Turning Ideas into Enterprise Impact



Campus Hiring Excellence & Legacy

At Institute of Aeronautical Engineering, our robust industry collaborations have built a strong campus placement legacy, with record breaking selections. This stands as a testament to our academic excellence and our commitment to building a future ready talent eco system



Enterprise Collaborations

Co-Creating with Industry Leaders

At Institute of Aeronautical Engineering, strategic collaborations with industry leaders strengthen our ability to deliver industry-aligned learning and innovation.

Strategic Partners

- Virtusa
- EPAM Systems
- National Research Development Corporation
- AWS Academy
- Red Hat Academy

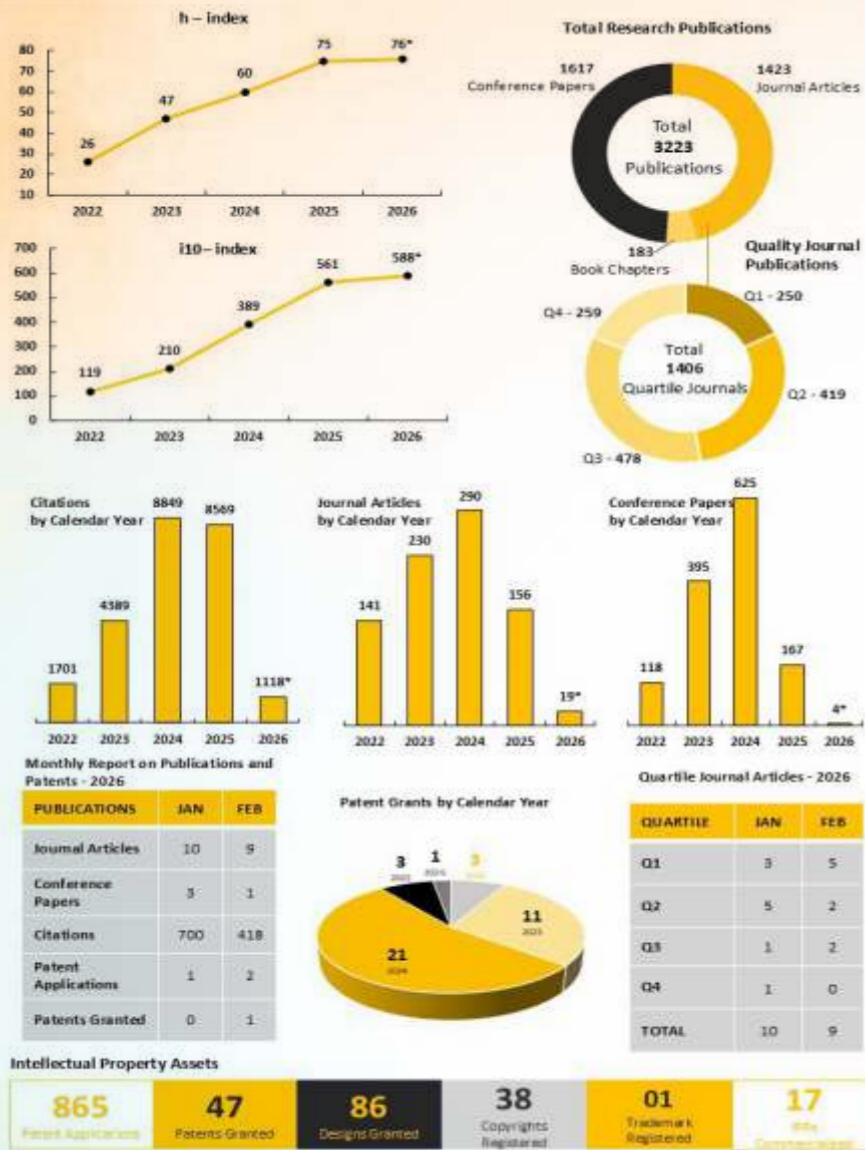
Focus Areas

- Software Engineering Programs
- Cloud & AI Training
- DevOps & Open-Source Technologies
- Technology Commercialization



IARE Research Portfolio

Upto February 2026



Entrepreneurship & Start-up Ecosystem

Fuelling the Next Generation of Founders

At Institute of Aeronautical Engineering, we encourage students to innovate, build, and launch ventures through a strong start-up ecosystem.



Focus Areas:
AI
IoT
Cleantech
Agri Tech

Digital IARE Ecosystem

Smarter | Faster | Scalable

At Institute of Aeronautical Engineering, a robust digital ecosystem enables seamless academic administration, learning delivery, and performance tracking across the institution.

Key Digital Platforms

- Samvidha – Integrated Student Portal for academic records, attendance, and campus services
- Akanksha – Learning Management System supporting course delivery, assignments, and collaboration
- e-xamDesk – Digital Examination Platform for assessments and evaluation
- Bristom BuildIT – Coding and programming practice platform
- ESLO – System for tracking and measuring Student Learning Outcomes
- Aksha – Digital Library Portal providing access to academic resources and research content

Start-Ups

Registered and Fund Received for Product Development

Enabling students to transform ideas into impactful startups and technology solutions.



These platforms collectively create a connected, technology-enabled learning environment that supports efficiency, transparency, and data-driven academic excellence.



IARE's AI-First Ecosystem

Center for Applied AI & Intelligent Systems

Vision

To shape future-ready engineers with deep technology expertise, AI-driven problem-solving capabilities, product and innovation mindset, and the ability to effectively collaborate with intelligent systems empowering them to lead in the era of Enterprise AI and digital transformation.

The Institute of Aeronautical Engineering (IARE), Hyderabad, is strengthening its future-focused learning ecosystem through the Center for Applied AI & Intelligent Systems — an exclusive AI Experience Center designed to build industry-ready AI talent aligned with evolving enterprise and technology landscapes

The Center enables students to gain practical exposure to:

- Enterprise AI systems and intelligent workflows
- Generative AI, Agentic AI, and Prompt Engineering
- AI Algorithms, AI Copilots, and Intelligent Automation
- Product thinking and real-world AI problem solving
- AI productivity tools and AI-assisted engineering workflows
- Industry interactions with AI leaders, founders, researchers, and practitioners

Key Focus Areas

1. Applied AI & Enterprise AI Readiness
2. Generative AI & Agentic AI
3. Prompt Engineering & AI Algorithms
4. AI Copilots & Intelligent Automation
5. Product Thinking & Innovation Mindset
6. Real-World Problem Solving
7. AI Productivity & Human + AI Collaboration
8. Industry Domain Intelligence & Enterprise Exposure
9. Ethical & Responsible AI Understanding



The Center reflects IARE's commitment to building a future-ready engineering talent ecosystem at the intersection of Artificial Intelligence, innovation, enterprise transformation, and human intelligence.

IARE's GCC Innovation Gateway

A Future-Ready Hub for Enterprise Innovation, Applied Research & AI Transformation

IARE is strongly aligned with the evolving role of Global Capability Centers (GCCs), which are increasingly emerging as strategic hubs for enterprise innovation, applied research, AI transformation, and global technology leadership.

To support this evolution, IARE is strengthening its GCC Innovation Gateway a future-focused platform designed to enable deeper academia-enterprise collaboration, innovation partnerships, and industry-aligned talent development at scale.

Core Engagement Areas

AI, ML & Deep Tech Innovation

Collaborating with enterprises and GCCs to work on real-world challenges across Artificial Intelligence, Machine Learning, Intelligent Systems, Automation, and emerging Deep Tech ecosystems.

Applied Research & IP Development

Driving applied research, prototype development, experimentation, and enterprise-focused innovation initiatives leading toward scalable solutions and Intellectual Property (IP) creation.

Enterprise Collaboration & Problem Solving

Enabling students and faculty to engage with enterprise teams on digital transformation, AI-driven workflows, business problem-solving, process optimization, and technology-led innovation initiatives.

Building a Future-Ready GCC Talent Ecosystem

The GCC Innovation Gateway focuses on developing engineers with:

- ➔ Strong engineering and technology fundamentals
- ➔ Enterprise AI and emerging technology exposure
- ➔ Product thinking and innovation mindset
- ➔ Business and domain understanding
- ➔ Structured problem-solving capabilities
- ➔ AI, ML, Agentic AI, and Deep Tech readiness
- ➔ Outcome-driven execution and collaboration skills

Through deeper engagement with enterprises and GCC ecosystems, IARE aims to bridge the gap between academic learning and evolving enterprise expectations building talent aligned with the future of intelligent enterprises and global innovation ecosystems.

The GCC Innovation Gateway reflects IARE's long-term vision of creating a strong intersection between Academia, Enterprise Innovation, Applied Research, and AI-driven transformation.

Diversity & Inclusion

At Institute of Aeronautical Engineering, diversity and inclusion are part of our campus ethos. Students from diverse backgrounds learn, collaborate, and grow in an environment built on mutual respect, equal opportunity, and shared success.

Initiatives such as celebrating International Women's Day, encouraging women participation in STEM, and fostering an inclusive academic environment reflect our commitment to empowering every student to thrive.

At IARE, diversity is not just celebrated it is a strength that drives innovation and holistic learning.



Alumni Voices

Our alumni are the strongest reflection of the IARE journey.

In this section, graduates of Institute of Aeronautical Engineering share their experiences on how the institute prepared them for industry, the skills they built during their academic journey, and how those foundations helped shape their professional careers.

Alumni Testimonial



Sumalini Jyothi
Entrepreneur
B.Tech Aerospace (2010-14)

Alumni Spotlight Entrepreneurial Excellence

Sumalini Jyothi (IARE, 2010-2014), CEO of ASHWAA Engineering Pvt. Ltd., represents the spirit of innovation and entrepreneurship fostered at IARE. She is building impactful solutions in automation and smart manufacturing, leading with vision and purpose. "IARE instilled in me the confidence to think beyond conventional paths and solve real-world problems." "The strong academic foundation and mentorship played a key role in shaping my entrepreneurial journey." Her journey reflects IARE's commitment to nurturing future-ready engineers and leaders



G. Vivekananda
Microsoft
B.Tech -CSE - Cyber Security
(2021-2025)

IARE played a pivotal role in shaping my career. The structured training programs, hands-on learning, and continuous support from faculty helped me build strong technical and problem-solving skills. The placement team's guidance and mock sessions gave me the confidence to perform well in interviews. I am grateful to IARE for helping me secure my placement and preparing me for the industry.

Parent Testimonial

"As a parent, choosing the right institution was very important for my child's future. IARE has exceeded our expectations with its disciplined environment, quality education, and strong focus on placements. We have seen a remarkable transformation in our child's confidence, skills, and overall personality. We are truly thankful to the institution for nurturing and guiding students towards a successful career."

Mr. G. Satyanarayana & Latha
(Parent of Students - G.Vivekananda)



Research Infrastructure & Centers of Excellence

At Institute of Aeronautical Engineering, advanced research infrastructure enables students and faculty to pursue innovation, applied research, and technology development.

Key Facilities

- Advanced Computing & Cloud Systems Lab
- UAV & Aerospace Research Lab
- Innovation Gateway & Makerspace



Strategic Collaboration Opportunities with IARE.



IARE is emerging as a hub for deep-tech innovation and industry collaboration, committed to building a future-ready talent ecosystem. As part of this vision, we have established a strategic MoU with Quinfosys, a Hyderabad-based quantum technology startup.

Key collaboration avenues include:

Through this collaboration, we are engaged in a Research Consulting initiative on Quantum Computing & Quantum Sensing, working on an ICU Pulse Detection System & Device—demonstrating our ability to translate advanced research into real-world, high-impact solutions.

We invite AI, GCC, and R&D organizations, along with industry leaders across domains, to collaborate with us in co-creating innovation, accelerating applied research, and accessing future-ready engineering talent.

- Quantum Computing & AI Centres of Excellence / Hubs
- Joint Research & Intellectual Property Development
- Industry Consulting & Product Co-Creation
- Startup & Deep-Tech Acceleration Programs
- Frontier Technology Development (AI, Quantum, Data)
- Student Talent Pipelines, Internships & Live Projects
- Thought Leadership through Masterclasses & Expert Sessions
- Technology & Innovation Hackathons

Campus Pulse:

Where Innovation Meets Culture at IARE

At the Institute of Aeronautical Engineering, student life extends beyond academics through high-energy tech fests, rigorous curricular engagements, and vibrant cultural platforms.

Spandana, our flagship annual fest, celebrates the spirit of unity, creativity, and diversity, showcasing students as well-rounded, industry-ready professionals capable of thriving in dynamic environments.



Partner With Us Today
A GCC & AI-Ready Talent Ecosystem
Talent · Innovation · Research – Driving the Future



Contact & Industry Collaboration Office

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