

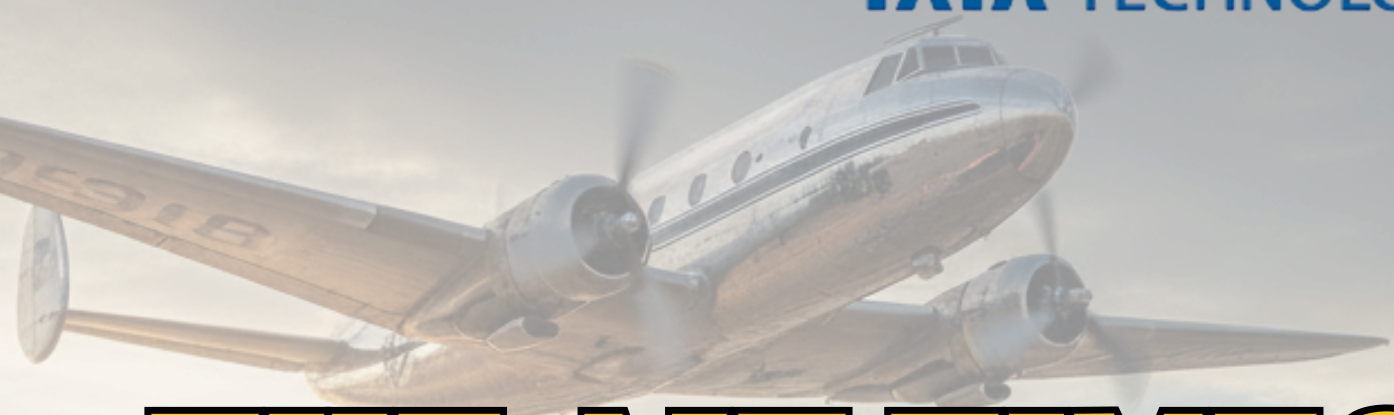


AMITY INSTITUTE
OF TECHNOLOGY

A JOINT INITIATIVE WITH

TATA TECHNOLOGIES

INDUSTRY PARTNER



THE AIT TIMES

YOUR GATEWAY TO AUTOMOTIVE AND
AERONAUTICS EXCELLENCE



VOLUME 3 | ISSUE 3 | Jan - Sep 2025

THE AIT TIMES

MESSAGE FROM HEAD OF INSTITUTION, AIT



DEAR READERS,
WARM GREETINGS!!

ॐ हिरण्यगर्भः समवर्तताग्रे भूतस्य जातः पतिरेक आसीत्। स दाधार
पृथिवीं द्यामुतेमां कस्मै देवाय हविषा विधेम।
इस सृष्टि के निर्माण से पूर्व हिरण्यगर्भ (परमात्मा) विद्यमान था। वही
उत्पन्न जगत् का एकमात्र (अद्वितीय) स्वामी है। वही इस पृथ्वी एवं
अन्तरिक्ष को धारण करता है। इस सुखदायी परमेश्वर की हम हवि के द्वारा
उपासना (पूजा) करते हैं।

It gives me immense pleasure to share with you the latest edition of quarterly newsletter – The AIT Times with highlights of the past three quarters, which has been full of learning, industry exposure, and inspiring interactions for our students at Amity Institute of Technology. I take pride in leading an institute that fosters strong industry collaboration and nurtures a talent pool of industry-ready engineers.

We had the privilege of hosting a series of Alumni Expert Talks, reconnecting with our distinguished alumni who continue to make us proud. Mr. Pratyush Singh, an alumnus of the 2016–2020 batch of B Tech (Automobile Engineering), Manager at Mahindra & Mahindra, guided students on career planning and professional growth in Alumni Expert Talk 3 held on 20th March 2025, while Ms. Parush Bamrah, an Aeronautical Engineering graduate of the 2017–2021 batch, who completed her Master's in Aerospace Engineering at Concordia University, Canada and is currently working in Quebec, shared valuable insights on higher studies and career advancement opportunities in Aeronautical Engineering in Alumni Expert Talk 4 held on 10th April 2025.

To strengthen the industry-academia interface, several industrial visits were organized—students visited Tsuyo Manufacturing Facility on 15th February 2025, Yamaha Motor India, Greater Noida on 26th March 2025 to understand real-world manufacturing operations, and the Drone Manufacturing Expo on 1st May 2025, which provided them with exposure to cutting-edge technologies and innovations in unmanned aerial systems. The objective of the visit was to bridge the gap between classroom learning and real-world applications by introducing students to advanced manufacturing processes, assembly line operations, and quality control processes.

In addition, multiple expert sessions were organized to broaden students' horizons. Mr. Sunil Bhatnagar, CXO, IPLTech Electric, a battery technology expert, delivered an insightful talk on Future Job Opportunities and Emerging Trends in the EV Market on 28th July 2025. Mr. Sumit Chouhan, Chief Information and Security Officer (CISO) & Senior Vice President – Cybersecurity (APAC), Destro Solutions Pvt. Ltd., conducted an engaging session on Automotive Cybersecurity on 20th August 2025. Mr. Priyam Saxena, Founder of Kurious.ai and an alumnus of Amity (B.Tech 2013), addressed students on 31st July 2025, inspiring them to pursue Robotics and AI as promising career aspirations.

I am also delighted to share that 100% placement of all aspiring students of AIT has been successfully achieved this year — a testament to our commitment to excellence in education, skill development, and industry engagement.

I extend my heartfelt appreciation to our faculty members, industry partners, and alumni for their continued support in shaping the bright futures of our students.

With best wishes to all the readers,

Prof. Vivek Kumar
Head of Institute,
Amity Institute of Technology

THE AIT TIMES

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MESSAGE FROM THE EDITORIAL TEAM

Welcome to AIT Times, the official digital magazine of the Amity Institute of Technology! As a publication crafted by and for students, we bring you the latest news, insightful articles, creative drawings, and exciting updates from the world of Automobile, Aeronautical Engineering and electric vehicle technology. Our goal is to keep you informed and inspired while celebrating the innovations and achievements within our institute. Thank you for being a part of our journey—your support fuels our passion for knowledge and creativity. Happy reading!



INTERVIEW OF INDUSTRY LEADER MR. ADITYA S.V

VICE PRESIDENT-OPERATIONS**AVIOTRON AEROSPACE PVT. LTD.**

1. Journey of Aviotron Aerospace and its Core Vision

Aviotron Aerospace began with a mission to redefine how STEM (Science, Technology, Engineering, and Mathematics) is taught and experienced in India. What started as an initiative to make learning more engaging through technology and innovation has grown into a nationwide movement that inspires curiosity, creativity, and future readiness among students. Our core vision is to bridge the gap between theoretical knowledge and real-world application through experiential learning models that combine emerging technologies such as aerospace, drones, robotics, AI, and coding. We want students not just to study science but to experience it to build, innovate, and solve problems. At its heart, Aviotron aims to prepare young minds for futuristic careers by equipping them with 21st-century skills from design thinking and innovation to collaboration and digital literacy ensuring they are truly future-ready for the global technology landscape.

2. Inspiration Behind Integrating Technology with STEM Education

The inspiration behind Aviotron's vision comes from the founders' belief in experiential, hands-on learning as the key to unlocking innovation in education. One of the founding members, Ms. Neha Chauhan's experience at NASA, where she spent a couple of years immersed in cutting-edge research and education programs. She witnessed how exposure to real-world technology, interdisciplinary teamwork, and problem-solving transformed students into innovators. This experience deeply shaped the philosophy of Aviotron to move beyond textbooks and help students learn through experiments, design, and creation. Whether through drones, robotics, or AI applications, the goal remains the same: to ignite curiosity and inspire innovation at an early stage.

3. Aviotron's Role in India's Global Technology and Innovation Mission

India is rapidly positioning itself as a global innovation hub across fields like aerospace, robotics, AI, and advanced manufacturing. Aviotron is proud to be a catalyst in this transformation by building the talent foundation for these future industries. By introducing school and college students to STEM-based practical learning and real-world projects, we're cultivating the next generation of engineers, scientists, and entrepreneurs who will lead India's technological revolution.

4. Bridging the Gap Between Theory and Practice

Aviotron's learning ecosystem is built on the principle of learning by doing. Every module whether it's focused on physics, electronics, AI, or drone systems involves project-based learning and experimentation.

Students apply classroom concepts to build working models, design solutions, and simulate real-world scenarios, allowing them to understand both the scientific principles and their practical impact.

This approach nurtures critical thinking, creativity, and innovation, helping students evolve from passive learners to active creators.

5. Key 21st-Century Skills for Future-Ready Learners

In a world being reshaped by technology, we believe STEM education should focus on cultivating:

- Critical thinking and analytical reasoning
- Creativity and design innovation
- Digital fluency and computational thinking
- Collaboration and leadership
- Adaptability and problem-solving

Aviotron's programs are designed to naturally integrate these skills, empowering students to tackle complex challenges in an ever-evolving digital world.

6. Evaluating Program Effectiveness

We assess our programs not just by participation, but by outcomes and impact. We look at how students apply their learning to real-world challenges, participate in national innovation contests, and even prototype new solutions.

We also gather continuous feedback from educators, industry mentors, and students to ensure our curriculum remains relevant, measurable, and innovation-driven. The real success for us is seeing learners become confident, capable creators who are ready for the future.

7. Integrating Real-World Applications

Our K–12 curriculum is designed to help students connect what they learn in the classroom to the real needs of society, sustainability, and industry. Learning modules are thoughtfully aligned with the United Nations Sustainable Development Goals (SDGs), helping students understand how science and technology can contribute to solving global challenges.

We introduce age-appropriate problem statements and case studies that inspire curiosity and creativity across a wide range of futuristic and impactful domains, such as:

- Agriculture – smart irrigation, automation, and sustainable food production
- Healthcare – medical sensors, assistive robotics, and wellness innovations
- Aerospace and Drones – flight principles, aerial mapping, and safety systems
- Meteorology – weather monitoring, data collection, and environmental awareness
- Electric Vehicles (EVs) – clean energy concepts, mobility design, and battery basics
- Artificial Intelligence (AI) – pattern recognition, automation, and smart systems
- Manufacturing and Industry 4.0 – robotics, design thinking, and process innovation
- Environment and Sustainability – renewable energy, pollution control, and waste management

By linking STEM learning to these real-world and futuristic applications, students begin to see technology not just as a subject to study, but as a powerful tool for innovation, sustainability, and meaningful global impact.

8. Student Innovations and Success Stories

One of Aviotron Aerospace's proudest milestones has been being selected and featured under UNICEF's Education 4.0 recommendations, recognizing our contribution to building future-ready education models that integrate STEM learning with real-world innovation and skill development.

Over the years, Aviotron Aerospace has charted an inspiring journey of innovation, impact, and recognition. The organization was featured on Shark Tank India Season 1, showcasing its pioneering vision in experiential STEM education. Aviotron has received several prestigious awards, including the Maharashtra Government State Innovation Startup Award, Global Education Summit (GES) Award, the British Council Entrepreneurial Award, and the AIM Startup Dubai Award marking our growing global footprint and innovation leadership.

Aviotron is also an accredited partner of STEM.org and a recognized member of the Aeromodellers Association of India (AMAI) a national body that promotes aeromodelling, drone innovation, and aerospace education across the country. These affiliations reinforce our commitment to maintaining international standards in STEM pedagogy, innovation, and youth skill development.

Our programs have empowered thousands of students to build strong, project-based portfolios that go beyond academics showcasing their creativity, technical expertise, design thinking, and problem-solving skills. Many of our learners have earned national recognition in innovation challenges, hackathons, and research competitions, while several have leveraged their Aviotron-built portfolios and mentorship to gain admission into some of the world's top universities in the UK, US, and Europe.

Many of our students are now developing AI-driven and socially impactful projects that address real-world challenges, such as:

- An AI-based module for identifying and tracking early signs of Parkinson's disease.
- AI-powered chatbots to help young people manage and improve mental health and emotional well-being.
- Structural design and simulation projects aimed at testing anti-earthquake building concepts.
- And many more innovations that address the sustainability, health, and safety challenges of the modern world.

From UNICEF recognition to Shark Tank, state and international awards, and global student success stories, Aviotron Aerospace continues to set new benchmarks in transforming STEM education empowering young minds with the skills, creativity, and empathy to innovate for a better and more sustainable future.

9. AI, Robotics, and the Future of Learning

AI and robotics are not just reshaping industries they're transforming how we learn and innovate. At Aviotron, we integrate AI-driven modules, machine learning concepts, and robotics projects to help students understand automation, intelligent systems, and human-technology collaboration.

This prepares learners for a future where AI, data science, and robotics work together to solve real-world problems, creating endless career opportunities.

10. Vision for the Next Five Years

Our five-year vision is to make STEM-based experiential education accessible to every student across India and beyond. We have already taken our first steps toward global expansion in the UAE region, where we are setting up Aviotron STEM Innovation Labs to nurture creative and technology-driven learners.

Going forward, we aim to strengthen our global presence through partnerships with schools, governments, and education leaders worldwide, promoting India's expertise in innovation-led education on a global stage.

We envision India becoming a world leader in STEM-driven innovation, AI research, and educational transformation, and Aviotron will continue to play a pivotal role in this journey. Our mission remains clear to empower students everywhere with the curiosity, creativity, and confidence to invent the future, not just adapt to it.



Source - <https://tinyurl.com/3827sb8m>

On April 28, 2025, India finalized a \$7.4 billion agreement with France to procure 26 Rafale fighter jets for the Indian Navy. The order includes 22 single-seater and 4 twin-seater aircraft, all to be delivered by 2030. These jets will operate from India's aircraft carriers, enhancing maritime defense. The deal is considered a major milestone in strengthening India's naval aviation power and defense partnership with France.



Source - <https://tinyurl.com/ycyfv8rb>

In July 2025, India's Defence Acquisition Council (DAC) approved proposals worth ₹1.59 lakh crore (\$18.5B) for new defense equipment. The focus was on indigenous production, with a large share earmarked for Indian companies. Key projects include upgrades for aircraft, helicopters, UAVs, and advanced missile systems, reinforcing the push towards self-reliance in aerospace and defense.



Source - <https://tinyurl.com/yc3pn5hj>

Solar Defence & Aerospace Ltd (SDAL) announced a plan to build a state-of-the-art UAS (Unmanned Aerial Systems) manufacturing plant in Mihan SEZ, Nagpur, with an investment of ₹12,870 crore. The facility will produce MALE (Medium Altitude Long Endurance) drones and even transport aircraft. This project is expected to generate thousands of jobs and place Nagpur on the global aerospace map.



Source – <https://tinyurl.com/yztasaxc>

In February 2025, the Army signed a deal with SDAL for 450 Nagastra-1R loitering munitions. These drones are reusable precision strike systems that can loiter over a target zone and strike with high accuracy. This marks a significant step in equipping India's forces with next-generation unmanned combat technology.



Source – <https://tinyurl.com/bdz3r4dc>

A new bilateral trade deal was confirmed between India and the UK in 2025, reducing trade barriers in aerospace. The deal encourages technology sharing, investment, and co-production in aircraft parts, MRO (Maintenance, Repair, Overhaul), and defense equipment. This is expected to benefit Indian aerospace startups and accelerate Make in India initiatives.



Source – <https://tinyurl.com/2bf3kj4t>

In June 2025, Indian drone maker ideaForge secured a ₹137 crore contract to supply indigenous hybrid mini-UAVs to the Army. These UAVs will be deployed for surveillance, reconnaissance, and intelligence gathering in high-altitude and border regions. The deal highlights India's growing trust in domestic UAV manufacturers.



Source – <https://tinyurl.com/3nax5dnt>

In August 2025, Suzuki Motor announced an \$8 billion investment in India to set up its first large-scale electric vehicle production plant in Gujarat. The first model, expected to be an EV version of the Vitara, will be produced for both domestic and export markets, targeting 100+ countries. This marks Suzuki's global EV entry and strengthens India's position as a hub for EV manufacturing.



Source – <https://tinyurl.com/m5jps9>

Vietnamese EV manufacturer VinFast inaugurated its first Indian factory in Thoothukudi, Tamil Nadu, in August 2025. With an investment commitment of up to \$2 billion, the plant will produce electric SUVs and two-wheelers for the Indian and Southeast Asian markets. This move highlights India's growing importance in global EV supply chains.



Source – <https://tinyurl.com/2rbz33c6>

In January 2025, Maharashtra authorities formed a committee to evaluate a ban on petrol and diesel vehicles in Mumbai, allowing only electric and CNG-powered vehicles. The proposal, aimed at cutting pollution, could make Mumbai India's first major city to adopt such a drastic green mobility measure.



Source - <https://tinyurl.com/yv58eaww>

In August 2025, the newly launched Maruti Suzuki Victoris SUV achieved a 5-star safety rating under Global NCAP, becoming the company's first SUV with such recognition. The result is a boost for Maruti's safety image and reflects India's growing demand for safer vehicles.



Source - <https://tinyurl.com/2fmchnkz>

The Society of Indian Automobile Manufacturers (SIAM) reported that India exported 53.63 lakh vehicles (cars, two-wheelers, commercial vehicles) in FY25, up around 19% from FY24. Passenger vehicle (PV) shipments increased by ~15%, and two-wheeler exports by ~21%.



Source - <https://tinyurl.com/4s3n36yz>

According to a report by CareEdge Ratings, public EV charging stations expanded from ~5,151 in 2022 to ~26,367 in early FY25. But even with that growth, the ratio is about 1 public charger per 235 EVs, showing that infrastructure is still catching up.



Source - <https://tinyurl.com/3syndk8z>

The Oil Minister, Hardeep Singh Puri, has hinted that while India remains committed to ethanol blending, the proposal to move from E20 (20% ethanol) to E30 or higher is under reconsideration. He also strongly rejected allegations that E20 is causing engine damage or significantly reducing mileage.

Alumni Expert Talk – 3

FACULTY COORDINATOR - DR. GURPREET SINGH SAINI

The Alumni Expert Talk-3, organized by the Amity Institute of Technology, was held on Thursday, March 20, 2025. The session featured Mr. Pratyush Singh, an alumnus of the 2016–2020 Automobile Engineering batch, currently serving as Manager at Mahindra & Mahindra. A total of 44 participants, including faculty and students, attended the talk. The session provided students with valuable career guidance and real-world insights into the automobile and aeronautical industries. Mr. Singh shared his professional journey, reflecting on his college experiences, the challenges he overcame, and the strategies that shaped his success.

One of the session's key highlights was the discussion on the recruitment process, where Mr. Singh explained recruiter expectations, the importance of both technical and soft skills, and effective preparation methods. He offered practical tips on resume building, excelling in technical interviews, and communication strategies, which were greatly appreciated by the audience. Mr. Singh also emphasized the importance of internships, encouraging students to choose roles aligned with their long-term goals for maximum industry exposure. He highlighted the role of continuous learning and networking in professional growth, presenting a structured approach to career planning.

The event concluded with an interactive Q&A session, where students actively sought advice on career planning and industry readiness. Attendees described the talk as a "guidance map," helping them gain clarity and confidence for their future careers. Overall, the talk proved to be highly motivational and insightful, reinforcing the value of alumni mentorship in shaping student aspirations.



Alumni Expert Talk - 4

FACULTY COORDINATOR - DR. GURPREET SINGH SAINI

The Alumni Expert Talk-4, hosted by the Amity Institute of Technology, was conducted on Thursday, April 10, 2025. The talk featured Ms. Parush Bamrah, an Aeronautical Engineering graduate of the 2017–2021 batch, who completed her Master's in Aerospace Engineering at Concordia University, Canada and is currently working in Quebec. The event was attended by 10 participants.

The session focused on higher studies and career advancement opportunities in Aeronautical Engineering. Ms. Bamrah began by sharing her academic journey, including her achievements such as the Dr. Ashok K. Chauhan Scholarship, multiple awards, and her success in pursuing international education. She introduced students to computational methods and tools widely used in the aeronautical industry, emphasizing their importance in simulating real-world system behavior. She also explained the steps of multi-objective optimization techniques and their applications in research and industry.

A significant part of the session was dedicated to guiding students on preparing for higher studies abroad. Ms. Bamrah outlined essential steps such as resume writing, university selection, email drafting, recommendation letters, and application strategies, providing a structured roadmap for aspiring graduates.

The event concluded with an engaging interaction where students gained clarity on the challenges and opportunities of international education. Attendees described the talk as highly motivating and informative, highlighting the value of alumni mentorship in guiding career and academic growth.



Industry visit to Tsuyo Manufacturing Pvt. Ltd

FACULTY COORDINATOR - PROF. VIVEK KUMAR

The industry visit to Tsuyo Manufacturing Pvt. Ltd, organized by the Amity Institute of Technology, was held on Saturday, February 15, 2025 at the company's facility in Ecotech 2, Greater Noida, UP. The session was attended by 18 trainee engineers from Tata Motors.

The objective of the visit was to provide participants with hands-on exposure to Electric Vehicle (EV) powertrain manufacturing, focusing on motors, controllers, and related systems.

The session was led by Mr. Vijay Kumar, CEO of Tsuyo, who shared insights into the company's approach to EV technologies, quality control measures, and industry collaborations. Students explored the facility and observed Tsuyo's product offerings, innovation strategies, and manufacturing excellence.

The training highlighted Tsuyo's specialization in EV motors, controllers, gearboxes, and e-axles, covering a wide power range from 0.5 kW to 250 kW, with potential scalability up to 600 kW. Emphasis was placed on energy efficiency, performance optimization, and customization for different vehicle categories. Participants also learned about Tsuyo's stringent quality assurance processes and its strategic partnerships, including collaborations with LvKON (China) for transmission solutions and Greaves Cotton Limited for three-wheeler production. The company's R&D collaborations with IIT Delhi and VNIT Nagpur further showcased its commitment to innovation.

The visit concluded with discussions on Tsuyo's future goals, including promoting localized, cost-effective, and energy-efficient EV solutions aligned with the Make in India initiative. The experience provided participants with a comprehensive understanding of the EV ecosystem, advanced powertrain systems, and sustainable manufacturing practices.



Visit to Drone Manufacturing Expo 2025

FACULTY COORDINATOR - MR ANKUSH KULSHRESHTHA

The visit to the Drone Manufacturing Expo 2025, organized by the Amity Institute of Technology in collaboration with SDLC, was held on Thursday, May 1, 2025 at the Yashobhoomi Convention Centre, Dwarka Sector 25. A total of 8 attendees, including 7 students and 1 faculty member, participated in the visit. The objective of the expo was to promote innovation, collaboration, and commercialization in the drone industry. It aimed to showcase the latest technologies and applications of drones across diverse sectors, encourage dialogue between government regulators and private innovators, connect startups with potential investors, and address key challenges related to deployment, safety, and regulation. The event proved to be an insightful and enriching experience, offering students a comprehensive view of how drones are reshaping modern industries. With more than 30 exhibitors and numerous visitors, the expo displayed a wide range of innovations, including agricultural drones for fertilizer spraying, drones for 3D mapping, and autonomous delivery systems.

Participants had the opportunity to interact with experts, entrepreneurs, and policymakers, which created avenues for knowledge exchange, professional networking, and potential collaborations. The exhibits reflected the sector's rapid growth and the increasing role of drones in advancing automation, efficiency, and sustainable practices.

Overall, the Drone Manufacturing Expo 2025 effectively achieved its objectives by serving as a hub for learning, innovation, and industry interaction. The visit not only broadened students' technical understanding of drone technologies but also inspired them to explore future opportunities in this fast-evolving field.



Did you know ?



The first car to break the 100 km/h speed barrier was an electric vehicle in 1899 called La Jamais Contente. It shows that electric cars were pioneers in speed long before gasoline dominated.

Industry visit to Yamaha Motor India

FACULTY COORDINATOR - PROF. VIVEK KUMAR | MR. MANISH KUMAR SHARMA

The industry visit to Yamaha Motor India, organized by the Amity Institute of Technology, took place on March 26, 2025 at the company's facility in Surajpur, Greater Noida, UP. A total of 18 students, 3 faculty members, and 1 staff member attended the visit. The program served as a valuable opportunity to gain first-hand exposure to modern manufacturing practices in the two-wheeler industry.

The objective of the visit was to bridge the gap between classroom learning and real-world applications by introducing students to advanced automobile manufacturing processes, assembly line operations, and quality control methods. The visit also provided insights into two-wheeler technology, automation, lean manufacturing, and sustainable practices, thereby deepening students' understanding of powertrain systems and industry-relevant production methods.

The session began with an overview of Yamaha Motors, highlighting its history, global presence, and contribution to the automotive sector. Students then observed the step-by-step manufacturing process, which included machining operations, assembly line procedures, and final quality inspections. The integration of automation, robotics, and lean manufacturing techniques was demonstrated, showcasing how modern technology enhances efficiency and precision in vehicle production.

Sustainability formed an important aspect of the visit, with discussions on Yamaha's initiatives for eco-friendly production and waste management. In addition, students engaged in meaningful interactions with industry experts, who shared their professional experiences and offered guidance on career opportunities in the automotive sector.

The visit proved to be an enriching experience, equipping students with practical exposure to manufacturing processes, a clearer understanding of powertrain and assembly systems, and greater awareness of industry standards and sustainability measures. Overall, the industrial visit to Yamaha Motor India provided a holistic learning experience, motivating students to apply their academic knowledge in practical settings and inspiring them to pursue careers in the ever-evolving automobile industry.



Expert Talk – Future Job Opportunities and Trends in the EV Market

FACULTY COORDINATOR - DR. ESWARA K MUSSADA

The Expert Session on “Future Job Opportunities and Trends in the EV Market”, organized by the Amity Institute of Technology, was held on Monday, July 28, 2025. The event was coordinated by Dr. Eswara Krishna M. and attended by 25 participants, including all final-year students.

The session featured Mr. Sunil Bhatnagar, a distinguished industry expert in the field of electric vehicles, who shared valuable insights into the rapidly evolving EV market and the career opportunities it presents. He began by highlighting the global transition towards sustainable mobility, explaining how advancements in battery technology, renewable energy integration, and government incentives are driving the sector forward.

Mr. Bhatnagar emphasized the growing demand for skilled professionals in areas such as EV design, powertrain engineering, battery management systems, charging infrastructure, and after-sales services. A significant portion of his talk focused on the rise of electric trucks, where he elaborated on their design considerations, payload capacity, operational benefits, and environmental advantages compared to diesel vehicles. He explained how EV trucks could transform logistics and freight operations, reducing both carbon emissions and running costs.

The session also touched upon the challenges and opportunities of EV adoption. While falling battery costs, expanding charging networks, and supportive policies present immense opportunities, Mr. Bhatnagar noted the need for further progress in energy density, recycling, and grid management. Despite these challenges, he expressed optimism that EV adoption would become mainstream within the next decade.



The event concluded with an interactive Q&A session, where students engaged in discussions on career paths, industry expectations, and innovations in EV technologies. The talk proved to be highly inspiring, motivating many students to align their career aspirations with the emerging field of sustainable mobility.

Overall, the session by Mr. Sunil Bhatnagar provided students with a comprehensive understanding of the EV industry's future and its diverse career prospects. The knowledge shared will serve as a strong foundation for students aspiring to build their careers in the fast-growing automotive sector.

Expert Session on Automotive Cybersecurity

FACULTY COORDINATOR - DR. GAURAV NINAWA | DR. BEDATRI MOULIK

The Expert Session on Automotive Cybersecurity, organized by the Amity Institute of Technology, was held on Wednesday, August 20, 2025. The session was attended by over 80 students from B.Tech and M.Tech programs (AME, ANE, EVT, CSE, ECE, and EE).

The session was delivered by Mr. Sumit Chouhan, Chief Information and Security Officer (CISO) & Senior Vice President – Cybersecurity (APAC), Destro Solutions Pvt. Ltd. Designed as a career-oriented seminar, it introduced students to the rapidly evolving domain of cybersecurity in intelligent vehicles.

Mr. Chouhan began by explaining the importance of secure mobility, connected EVs, and ADAS systems, while outlining the real-world cyber threats that modern vehicles face. He provided insights into international regulatory frameworks such as ISO/SAE 21434, helping students understand how security standards shape the development of connected and autonomous vehicles.

Through case studies, he highlighted examples of cyberattacks on automotive systems, the challenges of protecting intelligent transport systems, and the role of cybersecurity in ensuring both safety and reliability. He also discussed career pathways in automotive cybersecurity, including opportunities in functional safety, software testing, and risk assessment.

The session concluded with an interactive Q&A segment, where students explored future prospects in automotive software security and were encouraged to participate in an industry-recognized certification program with Destro Solutions.

Overall, the session provided students with a comprehensive understanding of automotive cybersecurity, enhancing their awareness of industry challenges and motivating them to explore careers in this critical domain of smart mobility.



Expert Session on Robotics and AI as a Career Aspiration

FACULTY COORDINATOR - DR. ESWARA K MUSSADA

The Expert Session on “Robotics and AI as a Career Aspiration”, organized by the Amity Institute of Technology, was held on Thursday, July 31, 2025. The session was attended by 32 students, along with faculty members. The talk was delivered by Mr. Priyam Saxena, Founder of Kurious.ai and an alumnus of Amity (B.Tech 2013). He shared his entrepreneurial journey, focusing particularly on his new Direct-to-Consumer (D2C) venture launched in November 2024, which provides technology skill development courses in robotics and AI for students from Class 6 to undergraduates. His startup has already established over 700 labs across India, making advanced learning accessible at scale.

Mr. Saxena emphasized the importance of building future-ready skills such as coding, CAD modeling, AI, and robotics, highlighting their critical role in today’s fast-changing technological landscape. He also stressed the need for internships, problem-solving skills, and innovation-driven thinking as essential attributes for success in both technology and entrepreneurship. The session resonated strongly with students, offering them a real-world example of innovation and entrepreneurial spirit. As an alumnus, Mr. Saxena’s journey served as direct inspiration, motivating students to explore opportunities in robotics, AI, and startup ecosystems.

Overall, the session provided attendees with practical career insights, entrepreneurial motivation, and a roadmap for skill development, reinforcing the importance of adapting to emerging technologies in their professional journeys.



Did you know ?



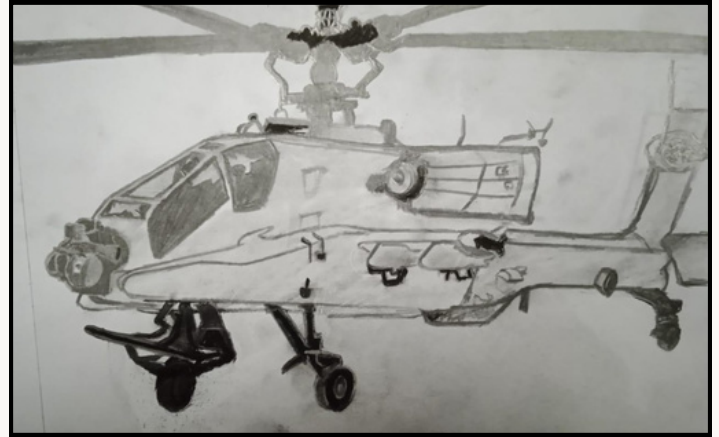
The SR-71 Blackbird leaked fuel on the ground because its titanium skin only sealed properly when heated up at supersonic speeds. It still holds the record for the fastest air-breathing manned aircraft.

Creative Corner

Sketches of aircrafts
by Tanmay Tewary, B.Tech AME (2023-2027)



Boeing 777-300ER



AH 64 Apache



Mi 17 of the Indian Air Force

Did you know ?



Did you know? Airplane wings are tested by being bent up to 90 degrees before failure, far beyond real flight stresses. This ensures they can withstand turbulence and extreme loads safely.

Placements of the Students

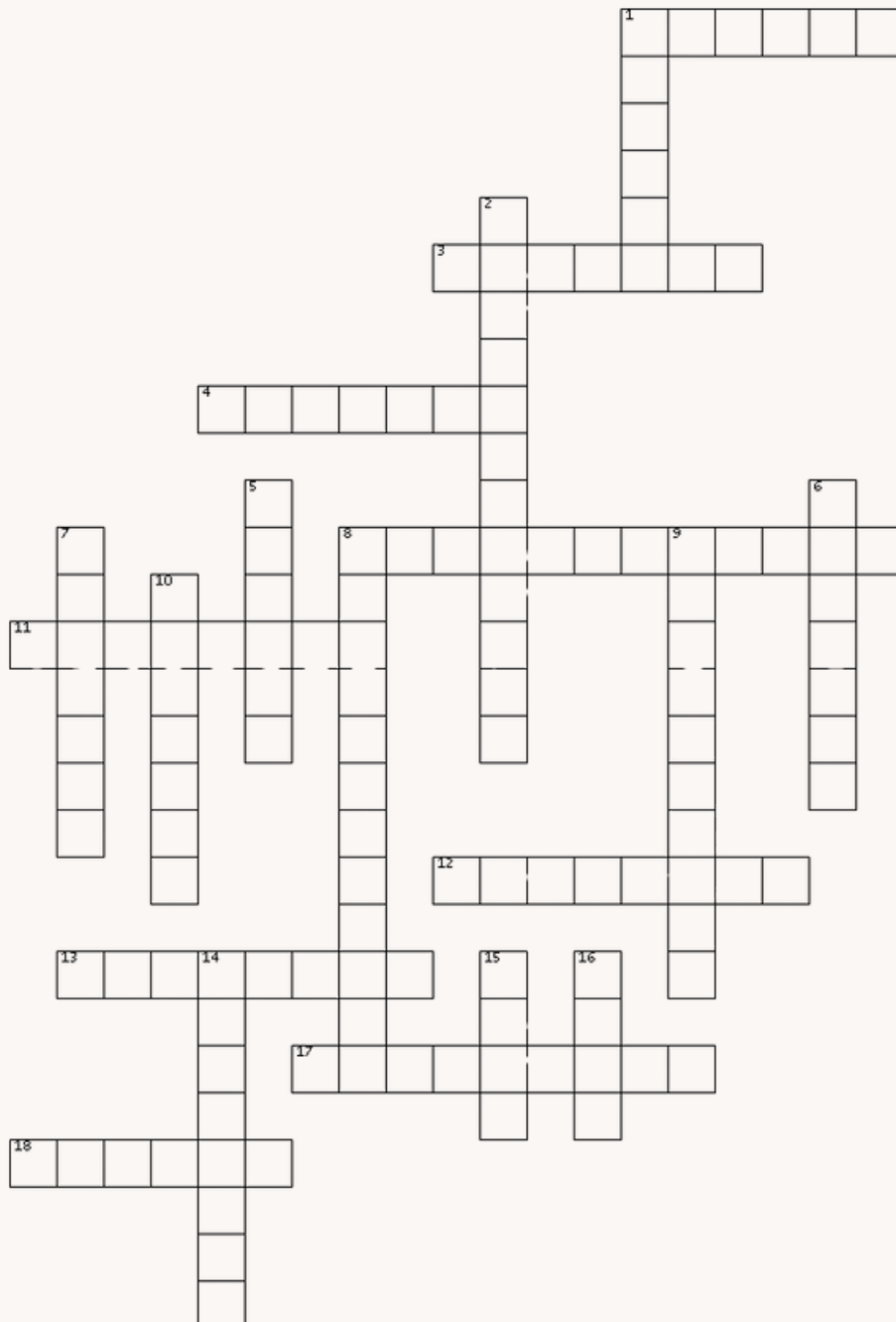
PLACED STUDENTS DATA FOR 2021-2025 BATCH					
Prog: B.Tech.(AME)					
S.N.	Enrollment No.	Name of Student		Name of the Company	Salary package offered (LPA)
1	A2367821001	Mr MOHIT SINGH		Aviotron Aerospace Pvt. Ltd.	3.8 - 4.00 LPA
2	A2367821005	Mr ABHAY KUMAR KAUSHIK		Tata Motors	5.0 LPA
3	A2367821007	Mr HARDIK SEHGAL		Tata Motors	5.0 LPA
4	A2367821011	Mr GURNEET SINGH		TVS Motor Company	8.00 LPA
5	A2367821003	Mr NAVYA RATTI		Motherson (UAE)	-
Prog: B.Tech.(ANE)					
S.N.	Enrollment No.	Name of Student		Name of the Company	Salary package offered (LPA)
1	A164104921004	Ms SMRITI MATHUR		Zycus Infotech Pvt. Ltd	8.6 LPA
2	A164104921005	Ms JAYA KUSHWAH		Aviotron Aerospace Pvt. Ltd.	3.8 - 4.00 LPA
3	A164104921006	Ms SHIVANGI SINGH		Aviotron Aerospace Pvt. Ltd.	3.8 - 4.00 LPA
4	A164104921009	Ms GNANVITHA KOSARAJU		Flydocs India Pvt. Ltd.	3.5 - 4.00 LPA
PLACED STUDENTS DATA FOR 2023-2025 BATCH					
Prog: M.Tech.(EVT)					
S.N.	Enrollment No.	Name of Student		Name of the Company	Salary package offered (LPA)
1	A164156323001	Mr SANJAY SINGH		Tsuyo Manufacturing Private Limited	12.0 LPA
2	A164156323002	Mr RAJAT CHOUDHARY		Hyundai	7.0 LPA
3	A164156323007	Ms KAVITA		Tsuyo Manufacturing Private Limited	7.0 LPA
4	A164156323003	Mr PRIYANSH MATHUR		Tsuyo Manufacturing Private Limited	4.5 LPA
5	A164156323006	Mr PRABHAT KUMAR		ICAT	4.5 LPA
PLACED STUDENTS DATA FOR 2022-2026 BATCH					
Prog: B.Tech.(AME)					
S.N	Enrollment No.	Name of Student		Name of the Company	Salary package offered (LPA)
1	A2367822001	Mr SANJIT MATHUR		TVS Motor Company	8.00 LPA
2	A2367822002	Mr SHANTANU RUSIA		TVS Motor Company	8.00 LPA
3	A2367822005	Mr AARYAN AGARWAL		ICAT	3.8 LPA

Down

1. – Vertical stabilizer controlling yaw.
2. – Allows wheels to rotate at different speeds.
5. – Engages and disengages power between engine and gearbox.
6. – Control area where pilots sit.
7. – The main structural framework of a vehicle.
8. – Device that boosts engine power using exhaust gases.
9. – System that absorbs shocks and provides stability.
10. – Shape designed to produce lift.
14. – Tail control surface managing pitch.
15. Injector – Sprays fuel into the combustion chamber.
16. – Shaft on which wheels rotate.

Across

1. – Strip where planes take off and land.
3. – Wing flap that controls roll.
4. – Housing for an aircraft engine.
8. – Transfers power from engine to wheels.
11. – Cools engine by circulating coolant.
12. – System that initiates combustion in the engine.
13. – The main body of an aircraft.
17. – Rotating blades producing thrust.
18. – Building for storing and maintaining aircraft.





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