AMITY INSTITUTE OF TECHNOLOGY

A JOINT INITIATIVE WITH

TATA TECHNOLOGIES

INDUSTRY PARTNER

THE AIT TIMES

Your Gateway to Aeronautics and Automotive Excellence.

VOLUME 4 | ISSUE 1 | OCTOBER 2025 – MARCH 2026

Volume 4, Issue 1 October 2025 – March 2026

Amity Institute of Technology

The AIT Times

Message from Head of Institution, AIT

DEAR READERS,

WARM GREETINGS!!

ॐ अग्निमिळे पुरोहितं यज्ञस्य देवमृत्विजम्।
होतारं रत्नधाततमम्॥ ऋग्वेद (प्रथम मंडल, प्रथम सूक्त, प्रथम मंत्र)

मैं अग्निदेव की स्तुति (प्रार्थना) करता हूँ, जो यज्ञ के पुरोहित (मार्गदर्शक), देवों के यज्ञ कराने वाले ऋत्विज (याजक), देवताओं का आह्वान करने वाले होता और समस्त भौतिक एवं आध्यात्मिक रत्नों (ऐश्वर्य) को धारण करने वाले एवं देने वाले हैं।

It gives me tremendous pleasure to introduce this edition of AIT Times covering a period of active engagement and accomplishments from October 2025 to March 2026. This period has seen several activities in academics, technical and culture-related events that truly embody the spirit of holistic education at our institute. At AIT, we continuously strive to create an environment where learning extends beyond classrooms. The past semester witnessed some of the most valuable interactions that took place in the form of lectures such as one on "AI for Net-Zero Mobility" that highlighted how technological advancements are now becoming more convergent in nature by Dr. Ankush Ghosh. Dr. Ghosh demonstrated how fields as diverse as artificial intelligence, environ-mental science, and mechanical engineering must work in concert to address grand challenges — from climate change to urban congestion. These activities help our students keep themselves updated about the latest advances taking place around the world.

Another aspect that makes the students at our institute proud is the number of cultural and student-centric events. This includes the event of farewell ceremony in which our students' bid adieu to the institute having created many valuable memories for themselves and others around them. The Cultural Club, *Vesuvius*, successfully organized *Mission Shakti 5.0* along with the Republic Day celebrations, with a strong focus on promoting women empowerment in academia and the professional workspace. These events served as a meaningful platform to highlight the importance of inclusivity and equal opportunities. An industry visit to Aviotron Aerospace Pvt. Ltd. (AeroBay) provided students with an enriching hands-on learning experience, particularly in the domains of autonomous navigation and drone-based applications, bridging the gap between theoretical knowledge and real-world technological advancements.

The efforts made by our students during their stay in AIT have resulted in several achievements including placements in reputable organizations. The testimonials presented in this issue are indicative of the strong educational background, industrial interaction, and practical experience that characterizes our courses through meaningful cooperation with industry partners.

Team AIT proudly congratulates Mr. Sanjit Mathur and Mr. Shantanu Rusia, B.Tech (Automobile Engineering) 2022–26, on their placement with TVS Motor India. We also extend our heartfelt congratulations to Mr. A. Sai Viswakesh, B.Tech (Aeronautical Engineering) 2022–26, for securing a position at Koshin Seikisho Co. Ltd., Japan, with an impressive package of 27.5 LPA. These achievements stand as a testament to the dedication of our students and the quality of education imparted at the institute. As we progress further in this endeavour, I hope that all the students will maintain their curiosity, discipline, and passion for achieving excellence in life and career. My deep gratitude to the members of the faculty, staff, and students at AIT for making AIT the vibrant institute of learning and innovation that it is. Also, my congratulations to the editorial board on releasing such an excellent issue of the newsletter.

Wishing you all continued success and growth.

Best Wishes,

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

Message from the Editorial Team

Dear Readers,

Welcome to the latest edition of our newsletter! It has been an action-packed few months, and we are thrilled to share an issue that perfectly captures our community's balance of technical innovation, social responsibility, and vibrant campus life.

In this edition, we focus heavily on bridging the gap between classroom theory and real-world application. We bring you exclusive coverage of our recent industrial visit to Aviotron Aerospace Pvt. Ltd., where students got a firsthand look at the lifecycle of UAV and drone manufacturing. We also dive into the future of sustainable transportation with key takeaways from Dr. Ankush Ghosh's expert lecture, "AI for Net-Zero Mobility: Sustainable Autonomy in Action".

Alongside our regular roundups of aeronautical and automobile industry news and a special featured interview, this issue highlights the core values that drive us. You will find thought-provoking reflections on empowerment and sustainability from Mission SHAKTI 5.0 , hands-on environmental efforts from our recent Cleanliness and Tree Plantation Drive , and a look back at the heartfelt memories shared during the farewell ceremony for our graduating seniors.

We hope you enjoy reading this issue as much as we enjoyed putting it together!

Happy reading,

The Editorial Team

Editorial Team

Faculty Editorial Team

S.no.	Name of Faculty	Designation
1	Prof. Vivek Kumar	Editor-in-Chief
2	Dr. Eswara K Mussada	Associate Editor
3	Dr. Gaurav Ninawe	Member
4	Dr. Bedatri Moulik	Member
5	Dr. Gurpreet S Saini	Member
6	Dr. Indradeep Kumar	Member
7	Mr. Ankush Kulshreshtha	Member

Student Editorial Team

S.no.	Name of Student	Designation
1	Asmit Bhattacharjee	Editor-in-Chief (Student)
2	KH Raisuddin Shah	Member
3	Tanmay Tewary	Member
4	Bijith Biju	Member
5	Shitiz Lalwani	Member
6	Adith Nambiar	Member
7	Anuva Rathi	Member
8	Nandini Joshi	Member

In Conversation with Mr. Nitin Choyal

(Chief Technical Officer, Aviotron Aerospace)

Aviotron Aerospace is one of the fastest-growing companies in India and is focused on upskilling the next generation of Aviators, Designers, Scientists and many more. Our experiential learning solutions are adored by students, parents and educational institutions.

Could you give us a brief introduction about yourself and your company?

My name is Nikhil, and I am the CTO and Co-Founder of Aviotron Aerospace Private Limited. We focus on STEM education for K–12 students across India. We set up labs in schools, provide DIY kits to students, and supply a dedicated trainer for the entire academic year.

Since your kits are used by students nationwide, how do you choose materials that are durable enough for repeated use but light enough for drones and other aerospace applications?

In school environments, we primarily use PLA filament. ABS and similar materials release fumes when heated, which can be hazardous for students. For aeromodelling components that need to be especially light, we use a material called PLA Ultra Light. It gives us the weight advantage without compromising safety.

Getting different sensors, GPS units, motors, and flight controllers to communicate reliably is a known challenge. What technical hurdles does your team run into most often?

Voltage compatibility is a constant challenge. We have built our own weather station entirely in-house, including a custom PCB. The problem is that some sensors run on 5V, others on 9V, 12V, or even 24V. Since standard microcontrollers like Arduino or the ESP32 cannot always handle that range natively, we designed relay-based PCBs to step up the voltage where needed. We now have around six or seven fully custom PCBs that our team designed and manufactured ourselves.

In your view, what is one technical skill that is better learned in a workshop than in a classroom?

Knowing how to handle tools properly. It sounds basic, but it is foundational. Just like you learn how to hold a pencil in kindergarten before you can write, students need hands-on time with physical tools and machines early on. That kind of muscle memory and situational awareness becomes very useful as they move into more advanced work.

What advice would you give to engineering students who are looking to take on leadership roles, particularly in aerospace or drone technology?

The drone industry in India is still catching up. Countries like the US were working with drones commercially as far back as 2005–2007. In India, regulatory restrictions between roughly 2015 and 2021 slowed things down considerably. But now the sector is opening up, and there are several serious companies working in aircraft and drone technology across the country. My advice would be to get in now — the space is growing and there is real room for young engineers to make a mark.

How does Aviotron manage quality control for the kits it sends to schools?

We source our raw materials directly from manufacturers, which cuts out the middleman and gives us more control. We also make sure everything we use is certified by the relevant government bodies. That is our baseline for quality assurance.

Aeronautical Updates

Airbus Integrates Spacesail LEO Connectivity on Commercial Jets

Airbus partnered with satellite operator Spacesail to integrate advanced Low Earth Orbit (LEO) internet connectivity across its commercial jets. This technology revolutionizes in-flight entertainment by providing high-bandwidth, ultra-low-latency internet comparable to ground-based fiber networks. Offered as a line-fit option on new aircraft, the LEO system overcomes the lag of traditional satellites, enabling uninterrupted HD streaming and remote work at 35,000 feet. This offers airlines a major competitive advantage while greatly enhancing global passenger satisfaction.

GKN Aerospace and Anduril UK Forge UAV Partnership

GKN Aerospace and Anduril UK formed a strategic partnership to develop the UK's future Uncrewed Aerial Vehicle (UAV) capabilities. The collaboration combines GKN's advanced aerostructures and manufacturing expertise with Anduril's "Lattice" AI and autonomous software. The joint venture aims to rapidly produce scalable, cost-effective, and highly intelligent drone platforms for the UK Ministry of Defence. These next-generation UAVs will autonomously conduct complex surveillance, reconnaissance, and precision strike missions with minimal human intervention.

Airbus Commences Operations at New North Carolina Facility

Airbus officially opened its state-of-the-art commercial aircraft manufacturing facility in Kinston, North Carolina. This strategic expansion aims to meet the surging global demand for Airbus aircraft by significantly boosting its North American production footprint. The Kinston plant focuses on manufacturing critical aerostructures and complex sub-assemblies, directly feeding final assembly lines in Alabama and Europe. This multi-million-dollar investment brings hundreds of highly skilled aerospace jobs to the region, mitigating supply chain bottlenecks and accelerating delivery timelines.

Air India Expands Fleet with 30 Boeing 737 MAX Jets

Air India accelerated its fleet modernization under the Tata Group by ordering 30 additional Boeing 737 MAX jets. This strategic acquisition aims to dominate the fast-growing Indian domestic and short-haul international markets. The highly fuel-efficient narrowbody aircraft will help the airline dynamically scale operations, lower carbon emissions, and reduce operational costs. This deal further cements the robust partnership between Boeing and India, positioning Air India to aggressively compete against regional low-cost carriers with a modernized passenger experience.

GKN Aerospace Delivers Upgraded RM12 Engine to Sweden

GKN Aerospace successfully delivered the first upgraded RM12 engine to the Swedish Armed Forces. This delivery is a crucial part of the Enhanced Performance programme designed to extend the operational lifespan and combat capabilities of Sweden's Gripen fighter jet fleet. The modernization introduces cutting-edge aerodynamic and material enhancements, significantly improving thrust, efficiency, and reliability. This upgrade ensures the Swedish Air Force maintains critical air superiority and readiness in an increasingly complex regional defense landscape.

Airbus Unveils Massive Technology Hub in Bengaluru

Advancing its "Make in India" strategy, Airbus inaugurated a massive 5,000-seater technology and engineering hub in Bengaluru. The 880,000-square-foot facility serves as the company's largest digital and engineering center outside Europe. Teams will focus on next-generation aircraft technologies, AI, robotics, and cybersecurity. The opening highlights Airbus's commitment to India, with annual regional sourcing projected to exceed $2 billion by 2030, and includes a local Airbus Leadership University chapter to foster aerospace talent..

Automobile Updates

Volkswagen to cut 50,000 jobs as profits drop

Volkswagen has said it will cut 50,000 jobs in Germany by 2030 as its profits dropped to their lowest level since 2016. Chief executive Oliver Blume told shareholders that the cuts would take place in Germany and fall across the entire group, including Audi and Porsche. Europe's largest carmaker said post-tax profits had fallen by around 44% in 2025. It said it was hit by US import tariffs, intense competition from China and high restructuring costs from the shift to electric vehicles.

Tata EV offers in April: Up to Rs 3.50 lakh on Tiago, Punch, Nexon, Curvv, Harrier

Tata.ev is providing total offers up to Rs 3.50 lakh on its electric vehicles (EVs), including the Tiago, Punch, Nexon, Curvv and the flagship Harrier, in April 2026. The offers comprise green bonus, exchange bonus, scrappage bonus and loyalty bonus, among others

Tata FY26 Sales Analysis – Nexon, Punch, Tiago, Altroz, Harrier, Sierra

Tata Motors had its total domestic sales reaching 6,31,387 units in the last FY by registering a healthy 14 per cent year -on-year growth compared to 5,53,591 units in FY2025. The homegrown manufacturer finished third in the overall manufacturers' sales standings with a market share of 13.5 per cent and a gain of 0.7 per cent.

TVS posts best-ever two-wheeler sales in a fiscal year at 4.24 million units

TVS Motor Co has raced into FY2027 on a really powerful note. The Hosur-based manufacturer sold a record 4.24 million two-wheelers in FY2026, up 21 percent (FY2025: 3.51 million units)

3 New Hondas Coming - Elevate Facelift to Electric SUV

Honda Cars India is going through a tough phase in the country. In order to revive sales, the company plans to launch 10 new cars, including 7 SUVs in the country by 2030. The next big Honda launch will be an all-new electric SUV based on the 0 Alpha concept that debuted in 2025.

BMW F 450 GS Pre-Bookings Open Ahead of India Launch on April 23

BMW Motorrad has initiated pre-bookings for the upcoming F 450 GS motorcycle in India, ahead of its launch on April 23, 2026. The F 450 GS features design elements from the R 1300 GS, equipped with a 420cc engine. The two-wheeler division of the German automaker has commenced with pre-bookings for the upcoming BMW F 450 GS. Interested buyers can reserve the motorcycle via authorized dealerships across the country.

Mission Shakti 5.0 and Republic Day Celebration

Date of Event: 29th January, 2026

In a programme that wove together social consciousness, intellectual debate, and patriotic fervour, the institute marked Republic Day with an event that will be remembered for its depth and energy. Mission SHAKTI 5.0, combined with a series of cultural and competitive activities, made for an afternoon that informed, inspired, and united.

The centrepiece of the day was Mission SHAKTI 5.0, a focused initiative on the theme of women empowerment in professional and academic spaces. Through candid discussions and shared perspectives, the session cast a spotlight on the evolving role of women in today's workplaces and institutions — addressing questions of equality, leadership, opportunity, and resilience. The conversations encouraged participants to reflect on allyship, responsibility, and what it means to build truly inclusive environments. The session struck a resonant chord, urging attendees not merely to acknowledge these values, but to actively embody them.

Adding significant weight to the proceedings was the address delivered by the Head of Institute. The speech articulated a clear and compelling vision: that institutions must go beyond symbolic gestures and embed respect, meritocracy, and safety for women as core operational values. Challenging students and faculty to translate awareness into action, the HOI called for a culture where empowerment is structural, not incidental — and where the pursuit of equality is a shared, ongoing commitment.

The intellectual spirit of the day found expression in a lively debate competition on the topic *"Green Energy in India: Necessity or Choice?"* — a question particularly timely given the nation's energy transition ambitions. Participants brought research, passion, and analytical rigour to both sides of the argument, addressing dimensions of environmental impact, economic viability, and long-term national strategy. After careful evaluation of clarity, logic, and presentation, Jaskaranjeet Singh emerged as the winner, delivering arguments that were both well-evidenced and visionary.

Complementing the debate was a Republic Day quiz session. The quiz created a lively, interactive atmosphere — and saw enthusiastic participation from faculty members as well, making it a genuinely inclusive exchange. Questions spanning constitutional history and national knowledge kept everyone on their toes and added a healthy layer of competition to the celebrations.

The cultural high point of the event was a moving group singing performance of *Vande Mataram*, rendered in A. R. Rahman's iconic composition. The performance brought the room together in a shared moment of pride and emotional connection, serving as a stirring reminder of what Republic Day truly stands for.The event concluded with a memento presentation honouring contributors, followed by high tea that gave everyone the chance to unwind and reflect over the rich experience of the afternoon.

Highlights from the Event

Industry Visit to Aviotron Aerospace Pvt. Ltd.

Date of Event: 12th March, 2026

Theory and practice came face to face on 12th March 2026, when students from the Amity Institute of Technology visited Aviotron Aerospace Pvt. Ltd. (AeroBay) for an immersive, half-day industrial experience. Coordinated by Dr. Indradeep Kumar, Chairperson of the Aerobotics Club, and accompanied by faculty members Dr. Bedatri Moulik, Dr. Gaurav Ninawe, and Dr. G. S. Saini, the visit was a landmark event in the club's calendar — one that connected classroom learning to the cutting edge of the aerospace industry.

Aviotron Aerospace, recognised for its expertise in Unmanned Aerial Vehicles (UAVs) and aerospace education solutions, proved to be the ideal host. From the moment students stepped into the facility, they were immersed in a world where precision engineering meets real-world application.

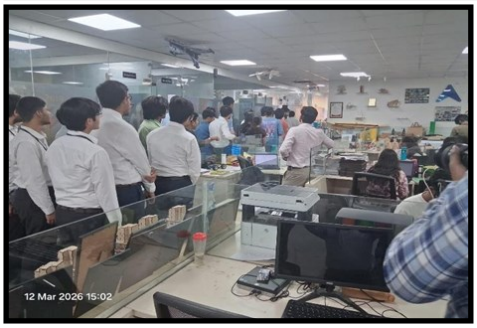
The visit offered a comprehensive look at the end-to-end lifecycle of drone manufacturing. Engineers at Aviotron guided students through various drone configurations, explaining the principles of aerodynamics, payload capacity, and flight control systems. The manufacturing floor offered equally valuable insights — students observed the use of lightweight composite materials in airframe construction, the integration of electronic speed controllers (ESCs) and telemetry systems, and the rigorous assembly-line processes that ensure structural integrity and flight safety at every stage.

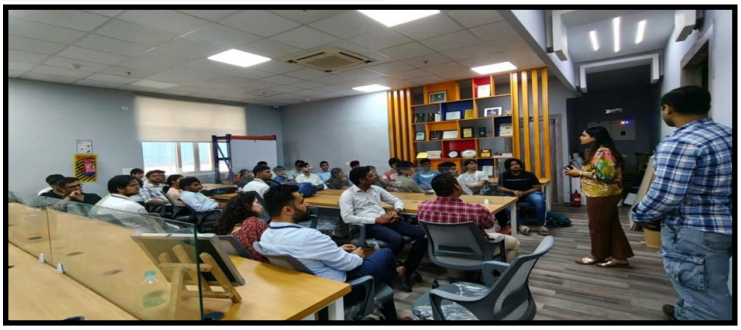
Perhaps the most technically enriching segment of the visit was the exposure to Aviotron's Research and Development wing. Here, students witnessed firsthand how simulation software is employed before physical prototyping even begins — a detail that highlighted the importance of methodical, evidence-based engineering. Live demonstrations of pre-flight calibration, sensor testing, and stabilisation algorithms in action made abstract concepts from lectures suddenly tangible.

The outcomes of the visit were tangible and wide-ranging. Students returned with a sharper understanding of the synergy between mechanical design and electronics in modern aerospace systems. Many left with concrete ideas for final-year projects, particularly in the areas of autonomous navigation and drone-based applications. The exposure to professional safety standards and workplace culture also offered a valuable preview of what life in the industry truly demands.

In an exciting development, Mr. Nitin Choyal, Co-Founder of AeroBay, expressed strong interest in establishing a formal academic–industry collaboration with Amity University — including a potential Memorandum of Understanding, internship opportunities, placement support, and even encouraging eligible company employees to pursue PhD programmes under AIT faculty guidance. A post-visit quiz, administered across four sets of MCQ papers, confirmed that students had successfully absorbed the day's learning. The Aerobotics Club's industrial visit to Aviotron Aerospace was, by all accounts, exactly what great experiential learning looks like.

Pictures from the Event





Farewell Ceremony

Date of Event: 18th March, 2026

The air was thick with nostalgia and warmth as the institute came together to bid a heartfelt farewell to its outgoing final-year students. The ceremony, thoughtfully curated from start to finish, was a beautiful tapestry of celebration, emotion, and gratitude — a fitting tribute to the journey these students undertook within these walls.

The event opened with an inspiring address by the Head of Institute, Vivek Sir, who welcomed everyone and immediately struck the right chord. His speech acknowledged the remarkable dedication and personal growth the graduating students had demonstrated over the years, while urging them to embrace the road ahead with confidence and resilience. It was a moment that set a reflective and uplifting tone for everything that followed.

From there, the ceremony shifted gears into a lively ramp walk, where participants took to the floor with flair and individuality. More than a style showcase, the ramp walk became a platform for students to express their personalities beyond the classroom — and the audience responded with tremendous enthusiasm. The energy in the room surged further with a captivating magic show performed by Rishabh Mehta, whose repertoire of illusions and tricks had everyone on the edge of their seats, equal parts mystified and delighted.

The programme was thoughtfully interspersed with a series of fun-filled games that brought students and faculty together in laughter and friendly competition, reinforcing the spirit of togetherness that has defined this batch. Students also took centre stage through music, dance, and other creative performances, reminding everyone of the rich talent that exists beyond lecture halls and laboratories.

One of the most anticipated moments of the evening was the announcement of the farewell titles. Vedant was crowned Mr. Farewell and Shreya was honoured as Miss Farewell — a recognition not just of their personalities, but of their consistent presence and contribution throughout their academic tenure.

The formal segment that followed saw students receive certificates of participation, along with gifts that served as tokens of appreciation and remembrance from the institute. These small gestures carried with them the institution's sincerest wishes for each student's future.

The ceremony drew to a close with heartfelt closing remarks, expressing gratitude to everyone who made the evening possible — the organisers, the faculty, and most importantly, the students themselves. A high tea session brought the curtains down on a warm and informal note, as old friendships were savoured over one final shared moment.

It was, by every measure, a perfect farewell — one that honoured a chapter well-lived and sent its heroes off into the world with all the love and pride they deserve.

Snapshots from the Ceremony

Expert Lecture on "AI for Net-Zero Mobility: Sustainable Autonomy in Action

Date of Event: 30th March, 2026

In an era where technology and environmental responsibility are converging at an unprecedented pace, the institute hosted an expert lecture that brought this intersection to life. The session, titled *"AI for Net-Zero Mobility: Sustainable Autonomy in Action"*, drew an engaged audience of students and faculty eager to explore how artificial intelligence is redefining the future of transportation.

The event began with an opening address by the Head of Institute, Vivek Sir, who framed the importance of sustainable innovation in the context of modern engineering education. In a gesture that was both thoughtful and symbolic, Vivek Sir presented a plant sapling to the distinguished guest speaker, Dr. Ankush Ghosh — a quiet but powerful nod to the ecological consciousness that lay at the heart of the day's discussion.

Dr. Ghosh brought to the podium an extraordinary depth of expertise. Recognised among the world's top 2% scientists by Stanford University and Elsevier, he has authored over 200 research publications alongside numerous books and patents, spanning more than two decades of work in the field. His credentials alone commanded respect, but it was his ability to make complex ideas accessible and inspiring that truly set the lecture apart.

At the core of his presentation was the vision of how AI-powered autonomous systems can transform transportation — reducing carbon emissions, improving energy efficiency, and building smarter mobility networks. Dr. Ghosh walked the audience through the mechanics of autonomous driving technologies, the role of sustainable energy in powering next-generation vehicles, and the intelligent frameworks that make these systems safe, scalable, and reliable. He also offered a forward-looking view of emerging research trends, giving students a clear picture of where opportunities for innovation and contribution lie.

Perhaps the most compelling aspect of the lecture was its interdisciplinary perspective. Dr. Ghosh demonstrated how fields as diverse as artificial intelligence, environmental science, and mechanical engineering must work in concert to address grand challenges — from climate change to urban congestion. For students standing at the threshold of their careers, this message carried real weight: the most impactful engineers of tomorrow will be those who think across disciplines.

The session concluded with closing remarks from Vivek Sir and Bedatri Ma'am, both of whom expressed their deep appreciation for Dr. Ghosh's generosity with his knowledge and time. A memento was presented to the speaker as a token of the institute's gratitude.

The lecture left participants with far more than information — it sparked curiosity, encouraged critical thinking, and reminded everyone in the room that the future of mobility is not just a technological challenge, but a shared human responsibility.

Image Coverage from the Lecture

How VTOL and Autonomous Drones are rewriting the rules of Flight

Aviation is moving into unfamiliar territory. Not with a dramatic leap, but through a slow accumulation of changes: smarter software, lighter batteries, sensors that can read an environment faster than any human pilot. Two developments, in particular, are drawing a lot of attention: electric aircraft designed to take off and land in tight urban spaces, and drones that increasingly operate on their own.

The VTOL concept (electric vertical take-off and landing) sounds futuristic, but the engineering behind it is fairly straightforward in principle. Instead of one large rotor like a conventional helicopter, most designs spread the lift across several smaller ones, each spinning independently. The result tends to be quieter, more stable, and better suited to operating over densely populated areas. The pitch is simple enough: if roads are gridlocked, why not use the airspace above them?

Companies like Joby Aviation and Archer Aviation have already flown prototypes and are pushing hard toward commercial air taxi services. The vision is a network of small aircraft connecting dedicated landing pads called vertiports across a city, cutting a 45-minute commute down to something far shorter. Whether that vision becomes reality soon depends less on the aircraft themselves and more on the regulatory groundwork still being laid. Bodies like the FAA and EASA are working through certification frameworks that will need to address everything from battery failure scenarios to software reliability under stress. That process, by nature, takes time.

Separately, autonomous drones have quietly become one of the more consequential stories in modern aviation. Better AI, improved sensors, and advances in onboard computing have pushed drone capability well beyond what was possible even five years ago. Delivery trials, infrastructure inspection, agricultural monitoring: the civilian applications keep expanding. On the defence side, the development of drone swarms (groups of aircraft that coordinate autonomously to carry out a mission) is changing how militaries think about air operations. So is the loyal wingman concept, where an unmanned aircraft flies in formation with a crewed fighter, handling tasks like electronic jamming or reconnaissance so the human pilot doesn't have to.

None of this comes without complications. Managing shared airspace, establishing clear liability frameworks, and hardening these systems against hacking are problems that don't have clean technical fixes. They require negotiation between regulators, manufacturers, insurers, and the public: a slower and messier process than building the aircraft themselves. Still, the direction is clear enough. Aviation is becoming more automated, more electric, and more software-dependent. How quickly that shift plays out in everyday life is another question, but the groundwork is already being laid.

— Adith Nambiar (B.tech ANE, 2025-29)

Joby Aviation S4 Model

Senior Testimonials

"Over the past four years, my academic journey has focused on developing a strong understanding of the fundamentals of automobile engineering while exploring different technical areas through projects, presentations, and discussions. These experiences helped me gain practical exposure and build my perspective towards the automotive field.

An important aspect of the program is its collaboration with Tata Technologies, which provides industry-oriented exposure through specialized curriculum elements and laboratory facilities. This helps students connect academic learning with practical applications.

Overall, my time in the program has been a valuable learning experience that contributed to my academic and technical growth in the field of automobile engineering."

Mr. Shantanu Rusia
B Tech (Automobile Engineering) 2022-26
Territory Manager (Service),
TVS Motor India.

"Over the past four years, my academic journey has focused on developing a strong understanding of the fundamentals of aircraft engineering and design engineer while exploring different technical areas through projects, presentations, and discussions. These experiences helped me gain practical exposure and build my perspective towards the aeronautics field. Valuable technical skills like CAD, PTC Creo, solid works .I gained these skills during my every each semester and faculty supported and guides us a lot. The elements and departments facilities helped me a lot to gain practical knowledge on the aircraft . This helps students connect academic learning with practical applications. Overall, my time in the whole B Tech course has been a valuable learning experience that contributed to my academic, technical growth and for securing the placement in the Japanese company."

Mr. A Sai Viswakesh
B Tech (Aeronautical Engineering) 2022-26
Koshin Seikisho Co. Ltd. (Japan)
27.5 LPA Package

"Over the past four years, my journey here has mainly been focused on building a strong foundation in automobile engineering and exploring different aspects of the field through projects, presentations, and technical discussions.

One unique aspect of our program is the collaboration with Tata Technologies, where parts of the curriculum, laboratory work, and technical exposure are aligned with industry-oriented learning.

Through this experience, I had the opportunity to work on various technical concepts and gradually develop my understanding and perspective toward the automotive industry.

Overall, these four years have been an important phase of learning, skill development, and personal growth for me as an automobile engineering student."

Mr. Sanjit Mathur
B Tech (Automobile Engineering) 2022-26
Senior Engineer,
TVS Motor India.

BUILD THE PARTS

M	Q	T	R	S	L	P	D	A	G	H	N
O	A	X	E	I	R	O	F	L	I	A	R
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L	P	R	O	P	E	L	L	E	R	S	X

PARTS TO LOCATE:

AIRFOIL
CHASSIS
AVIONICS
THRUST
GEARBOX
PROPELLERS
COMPRESSOR
PISTON
LIFT
TURBOCHARGER
ENGINE
REVERSE
IGNITION
BRAKES
HYDRAULIC
TURBULENCE

Not all parts listed above made it to assembly, good luck finding them!