



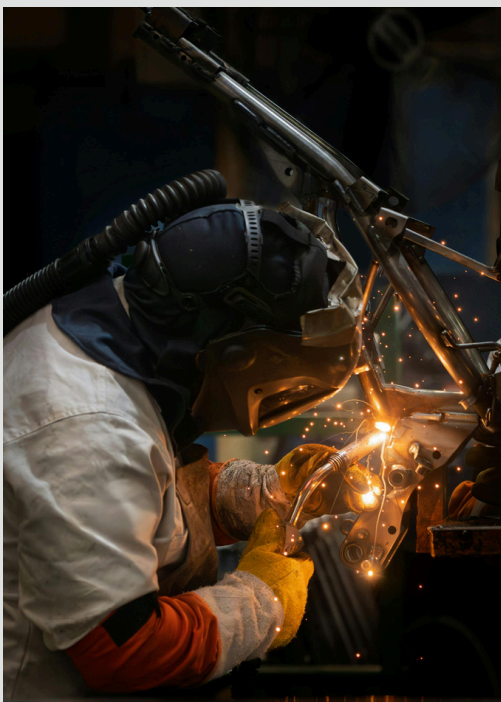
NEWSLETTER BY THE DEPARTMENT OF MECHANICAL ENGINEERING  
ADI SHANKARA INSTITUTE OF ENGINEERING AND TECHNOLOGY

ISSUE NO. 9

SEPTEMBER 2025

WELCOME TO

# *THE COTERIES BULLETIN*



## IN THIS ISSUE

### *OUR VISION*

To make the Mechanical Engineering Program a Centre of Excellence in Professional Education and Research.

### *OUR MISSION*

- To provide quality education for moulding competent professionals in Mechanical Engineering.
- To promote collaborative activities and positive contributions to society.
- To facilitate a continuous learning environment.

- INSTITUTE EVENTS
- DEPARTMENT EVENTS
- SOCIETY EVENT
- FACULTY ACHIEVEMENTS
- THE HUB

## ***BILJITH BIJU***

### REMEMBERING A LIFE FILLED WITH KINDNESS AND BRAVERY

Biljith Biju, an 18-year-old first-year Mechanical Engineering student, sadly lost his life in a road accident in Kalady on September 2, 2025. Even though he was with us for a short time, Biljith's spirit shone through his kindness, courage, and a genuine willingness to help those around him. Friends often recall his gentle demeanour, His readiness to lend a hand, and the quiet strength he displayed while facing life's hurdles. His warm and uplifting presence made a lasting impact on everyone who knew him.

In the wake of his tragic passing, Biljith's parents, Biju and Linda, chose to make the incredible decision to donate his organs, allowing others a chance at life when hope seemed distant. He donated a total of seven organs, including his heart, which went to a 13-year-old girl. This selfless gesture has not only saved lives but also inspired many to think about the importance of compassion and the difference generosity can make.

Biljith's story serves as a poignant reminder that the true value of a life isn't measured by its duration, but rather by the love, courage, and compassion one leaves behind. His family's choice to honour his memory in this way invites all of us to reflect on how we can impact others' lives for the better.



Through such acts, even a short life can create enduring waves of hope and goodness.

As we remember Biljith, we celebrate not just the student he was, but the person he aimed to be—a life rich in generosity, bravery, and unwavering compassion. His memory will continue to inspire us and will forever hold a place in our hearts.



## *INCEPTUS 2025*

### A WEEK OF IDEAS, INTERACTION, AND INNOVATION

Adi Shankara Institute of Engineering and Technology is buzzing with energy as INCEPTUS 2025, a seven-day online program organised by the IEEE Student Branch, unfolds this September. Designed to bring students from diverse departments together, the initiative celebrates collaboration, creativity, and the joy of shared learning.

The program's structure combines both competition and camaraderie. Participants are grouped into teams, each entrusted with unique challenges that test problem-solving abilities, leadership, and creativity. Alongside these competitive elements, lighter activities and interactive sessions ensure that the week remains vibrant and enjoyable.

Each day of the event introduces a fresh theme, keeping anticipation high and encouraging students to step outside their comfort zones.

From puzzles and storytelling to reels, doodles, and moonshot ideas, the challenges are crafted to stimulate imagination while building stronger bonds among participants. The seventh and final day, set for October 2, promises to be the grand conclusion, where the winning teams will be announced.

What distinguishes INCEPTUS 2025 is its inclusive spirit. By breaking down departmental boundaries and fostering cross-disciplinary friendships, the program goes beyond technical skill-building to highlight teamwork, communication, and the value of innovation through collaboration.

As the event nears its finale, excitement continues to mount. For the students, INCEPTUS 2025 is not just a week-long program but a celebration of ideas, interaction, and inspiration. This experience will leave a lasting mark on their journey at ASIET.

# ***ENGINEERS' DAY: HONOURING VISION AND INNOVATION***

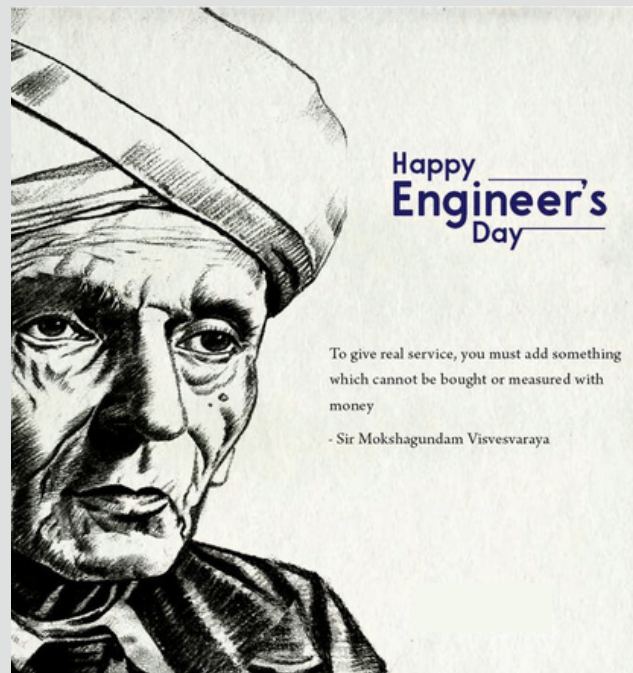
Every year on September 15, India celebrates Engineers' Day to honor the immense contributions of engineers to society. The day marks the birth anniversary of Sir Mokshagundam Visvesvaraya, one of the country's greatest engineers and statesmen, whose pioneering work in irrigation, flood control, and water resource management transformed India's infrastructure and continues to inspire generations.

Engineers' Day is more than a commemoration. It is a reminder of the vital role engineers play in nation-building. From bridges and dams to cutting-edge technology and sustainable solutions, their innovations shape the world we live in. The celebration also seeks to ignite curiosity among young minds, encouraging them to explore science and engineering as paths toward solving real-world challenges.

Each year, Engineers' Day is observed with a theme that reflects the spirit of progress, often focusing on innovation

sustainability, and technology for a better future. It serves as both recognition of past achievements and a call to action for the next generation to dream boldly and build responsibly.

In honouring engineers, the day also celebrates vision, creativity, and perseverance, qualities that turn ideas into reality and lay the foundations of tomorrow.



## ALL INDIA RANK 3 GLORY FOR STALLION MOTO GARAGE AT QUAD TORC 2025

Stallion Motor Garage has once again brought glory to the college by securing All India Rank (AIR) 3 at the 11th Quad Torc, the premier off-road design challenge, held from September 25–29, 2025, at SISTec, Ratibad Campus, Bhopal.

Quad Torc pushes engineering teams to their limits. Each group designs and fabricates a four-wheel quad bike (ATV) powered by a 250cc engine, adhering to stringent rules. The event features a gauntlet of tests—technical inspections, design evaluations, manoeuvrability checks, and the ultimate endurance race that demand both engineering precision and unshakable teamwork.



This year's podium finish is especially sweet: clinching AIR 3 marks a step up from last year's 4th-place standing, proving the team's steady growth in technical mastery and design innovation. The journey was far from easy. Countless late nights in the workshop, endless trial runs, and the resilience to bounce back from setbacks shaped this achievement.

"Every obstacle on the track taught us something new," said one of the riders, echoing the spirit of the entire crew. Gratitude also goes to the mentors who guided them and the peers in ASIET who cheered them on from afar.

The success of Stallion Motor Garage is more than a medal—it's a reminder of what creativity, grit, and teamwork can achieve. Their triumph lights the way for juniors who now set their sights on the top spot in India at future editions of Quad Torc.



# ASIET STUDENT SECTION WINS OUTSTANDING COMMUNITY ENGAGEMENT AWARD

The Student Section of ASIET achieved a remarkable milestone by winning the Outstanding Community Engagement Award under the ASME Student Section Recognition Program. This prestigious recognition celebrates the section's impactful activities and dedication to fostering community-oriented engineering initiatives.

As part of the award, the section received an ASME e-badge, a certificate, ASME goodies, and funding of ₹5,000 to support future initiatives.



The recognition stands as a testament to the hard work, leadership, and commitment of the Student Section leaders and members, who devoted their time and efforts to meaningful projects that create a positive impact on the engineering community.

The achievement not only brings pride to the institution but also motivates the Student Section to continue its efforts in delivering innovative and socially relevant activities in the coming academic year.



## ***DEPARTMENT ADVISORY COMMITTEE MEETING***

The Department of Mechanical Engineering hosted the Department Advisory Committee (DAC) meeting on 20th September 2025 in the Department Seminar Hall. The meeting aimed to review academic progress, evaluate the attainment of course outcomes and program outcomes, and gather valuable suggestions from advisory members.

The session began with a welcome by the Head of the Department, followed by a presentation of the department's vision, mission, PEO, and PSO statements by Mr. Eldhose K Joy K, the NBA Coordinator. The Self-Assessment Report was shared, and a detailed presentation on CO-PO attainment and previous semester targets was delivered.

Advisory members provided insights and recommendations for improvement.

The meeting also focused on preparations for the upcoming NBA visit, ensuring the department was ready for evaluation. Achievements of faculty and students in national-level events were highlighted, celebrating the department's progress.

The session concluded with a vote of thanks, and the proceedings were documented. The department appreciated the active participation and guidance of all DAC members, which continues to shape the future direction of the Mechanical Engineering Department.

## ***THIRD SEMESTER PTA MEETING***



The Parent-Teacher Association (PTA) meeting for the third semester was held on 17th September 2025, with 75% of parents in attendance. The meeting provided a platform for constructive interaction between parents and faculty, fostering collaboration to support students' academic progress and overall development.

Parents discussed individual student progress, clarified doubts, and shared feedback, helping the department identify areas for improvement and strengthen student support. Faculty members devoted their time to engage with parents, offering guidance and advice to enhance student learning.

The PTA meeting reinforced the importance of collaboration between home and institution in shaping the academic success and holistic development of students.



## *ADD-ON COURSE ON DATA SCIENCE AND MACHINE LEARNING*

The Department of Mechanical Engineering at Adi Shankara Institute of Engineering and Technology successfully conducted a five-day Add-on Course on Data Science and Machine Learning Fundamentals from September 23 to 27, 2025. The program was organized for third-semester B.Tech students, providing an intensive introduction to one of the fastest-growing fields in technology.

Guided by resource persons

Mr Majo Davis and Ms. Ansiya, the sessions were interactive and application-oriented, blending conceptual learning with real-world insights. Each day explored a new dimension: Python basics on day one, AI, Data Science, and Neural Networks on day two, practical coding exercises on day three,

chatbot development on day four, and Power BI for data visualisation on the final day.

By the end of the program, participants gained a solid foundation in DS and ML concepts, practical coding skills, and exposure to real-world applications. The course inspired students to pursue further learning and explore career opportunities in artificial intelligence and data-driven technologies, preparing them to harness technology responsibly and innovatively.

## ***ON WHEELS OF AWARENESS: YUVAJAGARAN IEC VAN VISITS CAMPUS***

A MOBILE CAMPAIGN THAT INSPIRED STUDENTS TO THINK, ACT, AND CHANGE

.On 27th September, our campus got a lively dose of awareness when the Yuvajagaran IEC Van Campaign rolled in. The van, filled with posters, videos, and interactive displays, quickly became the centre of attention.

Students from various departments gathered around, asking questions, sharing thoughts, and even telling personal stories related to health, environment, and civic responsibility. The interactive sessions made the day feel more like a conversation than a lecture.



By the end, it was clear that the campaign had sparked curiosity and reflection. “It really made me think about how I can contribute,” said one first-year student. The event didn’t just deliver information it inspired everyone to take small steps toward change. The Yuvajagaran IEC Van left a lasting impression, reminding us that awareness is the first step in shaping a responsible society.

# ***A JOURNEY BEGINS: NSS ORIENTATION WELCOMES NEW VOLUNTEER***

On 13th September, the college campus buzzed with excitement as the NSS Orientation welcomed new volunteers. The session introduced students to the vision and activities of NSS, emphasising its motto “Not Me, But You.”

Faculty coordinators and senior volunteers shared stories from past projects, environmental drives, community programs, and more. Their experiences sparked curiosity and laughter, giving the newcomers a sense of how meaningful volunteering can be.

Students quickly began sharing ideas for their first initiatives, feeling motivated to contribute. “I didn’t realise how rewarding volunteering could be,” remarked a first-year participant. By the end, it was clear that the orientation was more than an introduction; it was a starting point for a year of learning, leadership, and service.



# ***CELEBRATING NSS DAY: STUDENTS STEP UP FOR A CLEANER CAMPUS***

On 24th September, the NSS units of Adi Shankara Institute of Engineering and Technology marked NSS Day with enthusiasm and community spirit, following the motto “Not Me, But You.” The day kicked off with an inaugural function, bringing together students and faculty to launch a campus-wide cleaning drive.



Volunteers spread across classrooms, corridors, communal spaces, and the surrounding campus, working together to tidy up and promote hygiene. The morning was filled with energy, teamwork, and even a bit of friendly banter, as students realised how small, collective efforts can make a big difference.

“This was a great way to give back to our college and see the immediate impact,” said one student volunteer. The initiative not only enhanced the campus environment but also fostered a sense of unity, responsibility, and pride among participants. NSS Day celebrated more than cleanliness — it highlighted the power of collaboration and service, showing how every small contribution matters in creating a better campus for everyone.



## ***A HARVEST OF HUMANITY: NSS VOLUNTEERS BRING FESTIVE LIGHT TO MALAYATTOOR ELDERS***

The NSS volunteers spent the day dedicated to selfless service and meaningful interaction. They engaged in tasks that offered support to the staff, but their primary focus was on personal connection. Volunteers were observed giving attentive care, personally ensuring the comfort and needs of each elder were met during a shared mealtime. This act transformed the service into a sincere gesture of love and respect.



Before their departure, the entire NSS contingent gathered, framed by the lush, monsoon-washed greenery of Kerala. The students, beaming with smiles after a day of selfless service, stood as a representation of active youth dedicated to community welfare. The event was a powerful reminder that the true meaning of Onam lies in sharing and inclusivity, making it a harvest of not just produce, but of humanity itself. The NSS volunteers left Malayattoor with the promise of continuing their mission, ensuring that compassion remains a cornerstone of their service.

# ***ASIET NSS UNIT DEDICATES A DAY TO SWACHHATA HI SEVA 2025***

The National Service Scheme (NSS) Unit of Adi Shankara Institute of Engineering and Technology (ASIET) recently dedicated a day to community service as part of the national 'Swachhata Hi Seva 2025' (Cleanliness is Service) initiative.

Embodying the spirit of the campaign, a team of enthusiastic student volunteers executed a meticulous signage cleaning and restoration project across key public areas near the campus. Recognising that clear and clean public signs are vital for community function and aesthetic appeal.

The SS unit scrubbed, polished, and refurbished various directional, informational, and institutional boards that had been worn and dirtied over time. This hands-on initiative successfully enhanced the clarity and appearance of public spaces, demonstrating the college's commitment to civic responsibility and environmental upkeep under the banner of the 'Swachhata Hi Seva' mission. The project served as a powerful reminder that cleanliness truly is service.



## **Dr. VINAY VARGHESE JOINS EDITORIAL BOARD OF SCIE JOURNAL**



Dr. Vinay Varghese, a faculty member of the Department of Mechanical Engineering, was appointed to the Editorial Board of Scientific Reports, a prestigious international journal published by Springer Nature. The journal, indexed in the Science Citation Index Expanded (SCIE), holds a current Impact Factor of 3.9 and is widely regarded as a leading platform for the dissemination of high-quality, peer-reviewed scientific research across disciplines.

This appointment not only highlighted Dr. Vinay Varghese's individual achievements but also brought recognition to the institutions and collaborators associated with his work.

## **Dr. RAHUL ARACKAL PUBLISHES AEROACOUSTICS STUDY**



Dr. Rahul S Arackal, faculty of the Department of Mechanical Engineering, published his latest research article titled "Acoustic Characteristics of Wall Jets in the Developing Regime" in the International Journal of Aeroacoustics, an SCI-indexed Q2 journal by SAGE.

The paper, featured in a Special Issue on Cutting-edge Research in Aeroacoustics, investigated turbulence-generated noise in developing wall jets, offering insights applicable to aircraft surfaces, gas turbines, ventilation systems, and automotive aerodynamics. Dr Arackal collaborated with Dr. M.G. Arun, Dr. C.K. Sumesh, and Dr T.J.S. Jothi.

This achievement highlights his commitment to impactful research and adds to the department's growing contributions to reputed journals.

## **Dr. JITHESH K ENHANCES SKILLS IN ADVANCED MANUFACTURING**



Dr. Jithesh K, a faculty member of the department of Mechanical engineering, successfully completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Advanced Manufacturing & Industry 4.0” organized by CSI College of Engineering from 22nd to 27th September 2025. This accomplishment reflects his commitment to continuous learning and contributes to the department’s expertise in emerging technologies.

## **WARM WISHES FOR Mr. ELDHO MATHEW**



The Department of Mechanical Engineering warmly extends belated wishes to Mr. Eldho Mathew on his birthday this month. May the year ahead bring good health, happiness, and continued success.

# THE CORE AWAKENS: A NEW ERA FOR MECHANICAL ENGINEERS?

For years, the Mechanical Engineering students have found themselves in an uncertain position. While their textbooks teach them about engines, machines, manufacturing, and thermodynamics, the job market is in demand for IT engineers. So, a question arises in almost every mechie's mind- "Are the core jobs ever coming back?"

Let us explore what really happened in the industry and what is the reason behind the decline. There was a time in the past when Mechanical Engineering was the backbone of industrial development. But over the past few decades, streams like software and automation have changed the game. This has altered the entire demand of the job market. Manufacturing really slowed down in India, and core companies started hiring less. Meanwhile, the IT sector boomed and started hiring thousands of engineers, including Mechanical Engineers.

However, in recent years, the signs of the comeback of core jobs have emerged.

In recent years, however, a wave of new technologies has begun to revive the field. The electric vehicle revolution, for example, has opened up new job opportunities in designing and thermal management. The campaigns like "Make in India" and "Atmanirbhar Bharat" are encouraging the companies to develop, manufacture and assemble the products in India. The fields like Mechatronics, Automation and Robotics are the blending of Mechanical with Electronics. The Public Sector Units (PSUs) like BHEL, GAIL, and ISRO continue hiring the Mechanical graduates, especially via Graduate Aptitude Test in Engineering (GATE).

The core jobs even exist today, but with some conditions. They are found in Automotive companies (Tata Motors, Ashok Leyland, Mahindra), Heavy engineering (L&T, BHEL, Thermax), Energy & Power (NTPC, ONGC, GE), R&D and design (Bosch, Siemens, ABB). But they expect skilled engineers who know how to use the software like MATLAB or SolidWorks and understands the real life applications of thermodynamics and designing.

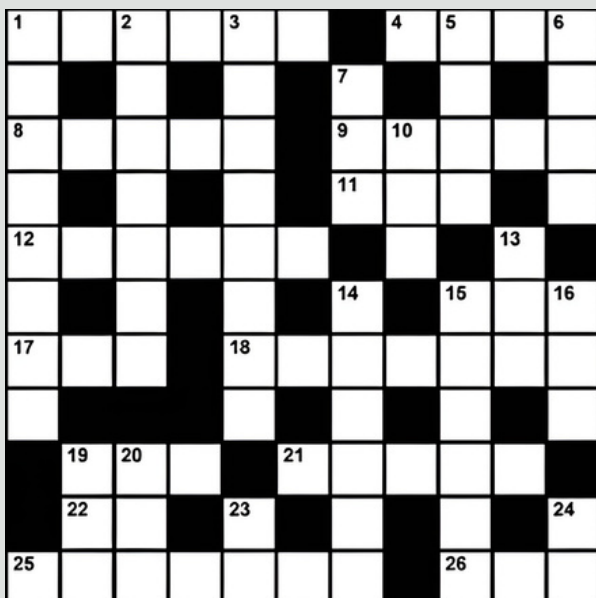
e comeback is real. But it is not enough to pass the exams and submit the practical record books. The companies look forward to the candidates who have internship or project experiences, certifications, problem-solving mindsets, soft skills and basic knowledge in programming. The students can utilise weekends and holidays to upskill (free courses on NPTEL, Coursera). Also, they can attend industrial visits and expos to stay connected with the trends of the industry. Network on LinkedIn with alumni and professionals, and parallel preparation for GATE, IES or PSU during the early years of the course would also help a lot.

The Mechanical core jobs are not extinct from the face of the job market, but they are evolving. The industry is really going to bounce back, but it needs skilled and adaptable Mechanical Engineers. So if you have chosen this stream, don't regret it. Just gear up, upskill and adapt. The world still needs machines and the smart minds behind them.

“CORE ISN'T DEAD—IT'S JUST TRANSFORMING INTO SOMETHING SMARTER.”

BY AMISHA SANTOSH  
S3, ME DEPT.

## CROSSWORDS



### ACROSS

- 1 It's measured in foot-pounds
- 4 Go across
- 8 Load-bearing girder
- 9 Important part of the country's infrastructure that affects travel and transport of goods
- 11 Possess
- 12 Observing
- 15 Launching
- 17 Put in place
- 18 Force metal through a die when making metal parts
- 19 Abbreviation for standard
- 21 Luxury electric car
- 22 Knockout, for short
- 25 Lifting devices
- 26 Hard wood tree used for making bows

### DOWN

- 1 Three-sided shape
- 2 Coming back into the earth's atmosphere, as a rocket
- 3 Like a satellite with no crew onboard
- 5 Schematic
- 6 Space shuttle agcy.
- 7 Expert
- 10 Be in debt
- 13 Measure of radiation
- 14 Force that creates strain on a physical structure
- 15 Hoisting machine
- 16 Dawn's moisture
- 19 Travel on snow
- 20 Large weight
- 23 It measures acidity
- 24 Ouch!

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THE END