



Annual Report 2025–2026

Thank you all for joining us today. As you embark on the new journey with us, it is a pleasure to reflect on what we have accomplished together and to learn from the experiences that have shaped us. It is my privilege to present the consolidated Annual Report of Akshaya College of Engineering and Technology for the academic year **June 2025 – April 2026**.

Institutional Growth

In the academic year 2025–2026, ACET continued to strengthen its academic, research and industry-engagement ecosystem. The institute retained its NAAC Accreditation and sustained NBA accreditation for key undergraduate programmes and was granted Autonomous status. Infrastructure enhancements included upgraded laboratories, audio-visual enabled classrooms, specialized research labs and industry-powered Centres of Excellence in **VLSI, Robotics & AI, IoT and Data Science**. The college was provisionally selected for a **StartupTN Pre-Incubation Centre** in February 2026. The Industry-Institute Partnership Cell (IIPC) and the Innovation and Entrepreneurship Development Centre (IEDC) actively coordinated MoU activities, internships and project mentoring.

During the year we signed and activated multiple MoUs with industry partners to support internships, value-added training and collaborative research. Selected partners include **Tessolve Semiconductor, Gateway Software Private Limited, Prashan Medical Technologies, RV TechLearn, Dreams Technology, Synecx AI Labs, Racer Tooling Industries, MDL Vishal India Pvt. Ltd., Texas Instruments, SmartDV Technologies, Accent Technosoft, Pumo Technovation** and others. These partnerships strengthened placement pipelines and provided hands-on learning opportunities for students.

Academic Excellence

ACET continued to deliver industry-oriented curriculum and a wide range of value-added courses (VACs), bootcamps and short-term programmes to enhance employability. Departments offered targeted training in **AI & Multimodal Systems, Data Analytics (Python, SQL, Power BI), Embedded Systems & Microcontrollers, Full-Stack Web Development (MERN), FPGA Prototyping & ASIC Design Flow, UI/UX Design, Robotics & NVIDIA Isaac Sim, EV Core Design, PCB Design and Drone/UAV Systems.**

The Department of Science & Humanities coordinated the First-Year Student Induction Programme (Investiture Ceremony 25) and roadmap sessions to orient new cohorts. Across departments, association inaugurations, alumni talks, guest lectures and industry bootcamps were organized to bridge academia and industry.

Scholarships and Student Support

ACET continued to administer government scholarship schemes and institutional support. The Women Empowerment Cell awarded **Akshaya Vidhya Scholarships** to meritorious and financially deserving female students. Counseling, academic mentoring and career guidance programmes were provided to support student success.

Events Organized

The academic year featured a rich and diverse calendar of events spanning academic, co-curricular, and extracurricular domains. It commenced with the Investiture Ceremony 25 and First Year Induction held on 25 August 2025, setting the tone for student engagement and leadership development. This was followed by departmental association inaugurations and fresher events conducted across all departments, fostering community building and introducing new students to their respective academic environments.

A strong emphasis was placed on emerging technologies and skill development through initiatives such as the AI Powered Future Industrial Training Bootcamp organized by the AI & DS department. In addition, several value-added courses were offered to enhance students' technical competencies. These included AI and Multimodal Systems; FPGA Prototyping and ASIC Design Flow; Embedded Systems and Microcontroller Applications; Full Stack/MERN development; Data Analytics in Python; VR Application Development; and the NetGuard Internship focusing on Networking and Cybersecurity.

The institution also hosted a variety of workshops and seminars to deepen domain knowledge and expose participants to industry trends. Notable events included the 3D Chips regional seminar conducted by the ECE department, Scrum Empowered MLOps by CSE, and a session on Problem Identification in Civil Engineering and Employing AI Tools organized jointly by Civil and S&H departments. Faculty members benefited from training such as Autodesk Revit Fundamentals, aimed at enhancing teaching and professional skills.

Further strengthening academic excellence, multiple Faculty Development Programmes (FDPs) were conducted under the aegis of ATAL, AICTE, ISTE, and Anna University. These FDPs covered advanced and relevant topics including 3D printing, generative AI, quantum computing, accreditation processes, and outcome-based education, ensuring continuous professional growth among educators.

Practical exposure was emphasized through industrial visits and in-house internships, providing students with real-world insights. Participants visited and trained with organizations such as Silent Valley Construction, SIMSER Controls & Systems, PITOWINGS at TICEL Bio Park, Gateway Software, Sakthi Gear Products, Racer Tooling Industries, Entudio, TARAS Systems, and Xplore IT Corp, among others.

The year also encouraged innovation and creativity through a series of hackathons and project expos. Events such as Idea Showcase 25, a 24-hour hackathon, AutoBot Hackathon, Rapid Print Hack 2025 focusing on 3D printing, Dawn to Dusk Build-a-thon, Tech Day, and Techfest 2026 provided platforms for students to showcase their technical abilities, collaborate on projects, and develop problem-solving skills.

Co-curricular & Student Club Events

This year, our institution proudly hosted the **Techfest Symposium 2026**, centered around the inspiring theme of the **United Nations Sustainable Development Goals**. The symposium was a vibrant platform for innovation and collaboration, featuring a series of exciting coding competitions such as *Thinklytics*, *Data Phobia Addict*, and *Code Sprint*. With enthusiastic participation from students across multiple colleges, the event not only showcased technical brilliance but also encouraged young minds to align their creativity with global sustainability challenges.

Alongside this flagship symposium, our **departmental clubs** have been buzzing with activity throughout the year. The **Coding Club** nurtured problem-solving skills and sharpened programming expertise, while the **Science Club** engaged students in experiments and discussions that deepened their curiosity about the natural world. The **Robotics Club** brought technology to life with innovative projects and hands-on learning, and the **Tamil Mandram** celebrated our rich cultural heritage through literature, debates, and performances. The **Fine Arts Club** provided a canvas for creativity, enabling students to express themselves through painting, music, and drama. Meanwhile, the **3D Printing Club** opened doors to futuristic design and prototyping, giving students a taste of cutting-edge technology. Together, these clubs created a dynamic environment where every student could explore their passions, develop new skills, and contribute to a thriving campus culture.

Extracurricular & Cultural Events

Our campus came alive this year with a vibrant array of **extracurricular and cultural events** that brought together creativity, sportsmanship, and social responsibility. The highlight was **Aksharika '26**, our national inter-collegiate cultural fest, which drew participants from across the country. With performances, competitions, and artistic showcases, Aksharika truly celebrated the spirit of unity in diversity and gave our students a platform to shine on a national stage.

Equally memorable was our **Annual Sports Meet**, where students demonstrated their athletic prowess, teamwork, and determination across a wide range of events. The energy and enthusiasm on the field reflected the importance we place on physical fitness and healthy competition. In addition, our campus embraced cultural traditions with joy, celebrating **Onam** and other festivals with grandeur, music, and community spirit, making every occasion a cherished memory.

We also marked **International Women's Day** with programs that honored the achievements of women and encouraged dialogue on empowerment and equality. Beyond celebrations, our students showed their commitment to social causes through **blood donation drives**, contributing to the well-being of society. Another significant initiative was our **rural technology outreach**, where students applied their knowledge to support communities and promote sustainable development. These activities not only enriched student life but also strengthened our bond with the larger community.

Student Achievements — Technical, Innovation and Sports

The academic year witnessed remarkable student achievements across technical, innovation, academic, sports, and cultural domains, reflecting a well-rounded development of talent and excellence.

In the area of technical innovation, students demonstrated exceptional creativity and problem-solving abilities. The project *MedieGenie*, developed by a team of second-year students, secured the First Prize at the ACET Hackathon. Another notable project, *PicTruth*, was presented at the Yukti Innovation Challenge 2025, gaining recognition at a national level. Events such as Idea Showcase 26 and STARTIFY 3.0 saw multiple prize winners from the AI&DS, CSE, and CS&BS departments, highlighting consistent innovation across disciplines. Civil engineering teams achieved significant milestones by being shortlisted and funded under the Jal Seva Adhyayan initiative of the Jal Jeevan Mission, with three teams receiving project grants and mentorship support. Additionally, several student projects were submitted to the Tamil Nadu State Council for Science and Technology (TNSCST), with

selected entries receiving research grants, further encouraging innovation and applied learning.

Academic excellence was equally noteworthy, with departments such as AI&DS, CSE, CSE&BS, ECE, Civil, Mechatronics, Mechanical, and EEE producing Anna University rank holders. These high-achieving students were formally recognized during the Investiture Ceremony and were awarded cash incentives, reinforcing the institution's commitment to academic distinction.

In sports, students excelled both individually and as teams, bringing laurels to the institution. Samaa Vaishnavi S from AI&DS secured a Gold Medal at the National Silambam Championship 2025 and achieved a World Record at Parampariyam 2025, along with multiple district and state-level accolades. Esakkimuthu V from ECE earned a Bronze Medal in wrestling at the 5th Tamil Nadu State Traditional Wrestling Championship. Kanishka R from CS&BS won a Gold Medal in athletics at the Anna University Zone 10 Meet and secured Third Prize at CIT Covai TIES 2025. Nandhakumar from Mechanical achieved a Gold Medal at the Third ESFI National Federation Cup 2024. Lalith Kishore S from CS&BS won First Prize in bodybuilding at a Tamil Nadu Bodybuilders and Fitness Association event, while S. Srikanth from CSE earned a Gold Medal in Kung Fu at the South Indian Kalanaru Kalam and Mansuria Open Championship.

Team participation was also commendable, with first-year teams representing the institution in the Anna University Zone 10 Kabaddi and Football tournaments. The Annual Sports Meet further promoted competitive spirit through interdepartmental events in cricket, kho kho, and athletics.

Cultural vibrancy was evident through various events and celebrations. Aksharika 26, a national-level intercollegiate cultural fest, provided a platform for students to showcase their talents in dance, music, drama, and fine arts. Departmental associations and student clubs actively organized literary competitions, cultural programs, and traditional celebrations throughout the year. Festive occasions such as Onam were celebrated with communal feasts, fostering unity, inclusivity, and joy among students and faculty.

Overall, these achievements underscore the diverse capabilities of students, reflecting excellence not only in academics but also in innovation, sportsmanship, creativity, and cultural expression.

Faculty Achievements — Publications, Patents, FDPs and Awards

Faculty across departments produced a substantial body of research, secured intellectual property, completed professional development programmes, and received recognitions during the academic year. The following consolidated highlights capture the verified achievements reported by various departments, reflecting a strong commitment to academic excellence and innovation.

In terms of publications and research output, Dr. M. Jenifer from the AI&DS department presented the paper “Explainable AI for Eye Power Prediction Using LIME” at IEEE CCNT 2025 and also published research on deep learning for brain tumor identification at ICAISE 2025 held in Tunisia. Dr. T. Ravichandran, also from AI&DS, published “AI Enhanced Hemodynamic Modelling for Predicting Post Endovascular Complications” in the European Journal of Clinical Pharmacy and contributed book chapters on forecasting and fraud detection. Dr. V. Nivedhitha presented her work on “Quantum Machine Learning for Early Detection of Water Contamination” and additionally served as a reviewer for Springer Nature journals. Mrs. V. Krithika presented “Optimizing Cloud Resource Allocation Using Reinforcement Learning” at ICECA 2025, while Mrs. Lavanya K presented research on hybrid quantum-classical computing and federated reinforcement learning at IEEE ICoECIT 2026 and ICNARI 2026. Mrs. Sowkarthiga P published research on diabetic retinopathy classification in the journal Genetics and Molecular Research.

From the CS&BS department, Dr. M. Malini published multiple papers indexed in Scopus and Springer on topics such as diabetic retinopathy, lung cancer detection, and precision agriculture. She also filed patents related to Automatic Emotion Detection and a Health Record Device. Dr. T. Guhan from the CSE department authored books and conference papers in the fields of artificial intelligence and machine learning and was recognized with the Higher Education Leader of the Year 2025–26 award.

In the ECE department, Dr. K. Sivasankari published research articles in IEEE Xplore and Elsevier journals. Mrs. A. Ambika contributed publications to IEEE Xplore in electronics and communication, while Mrs. A. Ramjan Begam published in the Journal of Physics and Elsevier's Next Nanotechnology. In Civil Engineering, Dr. R. Premsudha authored the book *Environmental Engineering* and published research on the use of foundry sand as a fine aggregate in construction. Mrs. S. Pratheba published in Procedia Structural Integrity and filed a design patent for an AI-powered construction site monitoring robot.

From the Mechatronics department, Dr. A. Karthik contributed a book chapter published by Elsevier and authored highly cited articles in Wiley journals focusing on natural fiber composites. Mr. R. Gokul Raju published research on additive manufacturing and welding techniques and presented his work at international conferences.

In the Science and Humanities department, Ms. E. Lathanayagam from Mathematics published "Dynamics of a Fractional Order Model for Marburg Virus" in the Journal of Applied Mathematics and Informatics. Dr. N. Selvanayagi published research on crop selection using Neutrosophic Hypersoft Set Theory and was recognized as an NPTEL Discipline Star for the period July to December 2025. Mrs. C. Nirmala from Chemistry published three papers in the Journal of Applied Bioanalysis focusing on electrochemical recovery and corrosion inhibition. Mrs. B. Indhumathi from Mathematics published "Intuitionistic Fuzzy Set Based Hybrid Labeling of Dynamic Graphs" in the Journal of Rare Cardiovascular Diseases, while Mrs. B. Mohanambal published her research in the International Journal of Basic and Applied Sciences.

Patents and Intellectual Property

Our faculty members have made remarkable strides in the field of **patents and intellectual property**, reflecting the innovative spirit of our institution. On **24th June 2025**, Mrs. K. Mohana Sudha from the Department of Physics, School of Science and Humanities, was granted a patent for her pioneering work on a **Device for Electromagnetic Field Monitoring**. This achievement stands as a testament to her dedication to advancing scientific research.

In the Department of Civil Engineering, *Mrs. S. Pratheba* has filed a design patent for an **AI-powered Construction Site Monitoring Robot**, a forward-looking innovation that integrates artificial intelligence into the construction industry to enhance safety and efficiency. Similarly, *Mr. M. Santhoshkumar* from Electrical and Electronics Engineering secured a patent in **January 2026** for his work on **torque control of Switched Reluctance Motors using an intelligent controller**, a contribution that strengthens the field of advanced motor control systems.

Adding to these accomplishments, *Dr. P. Udayakumar* from Computer Science and Engineering filed a patent in **May 2025** for a **Sensor-Based Malware Detection system**, an inventive approach to cybersecurity that addresses one of the most pressing challenges in the digital era. Together, these achievements highlight the commitment of our faculty to research, innovation, and the creation of intellectual property that has real-world impact.

Faculty Development and Certifications

Our faculty have continued to strengthen their expertise through an impressive range of **faculty development programs and certifications**. Across departments, more than **60 FDPs** were successfully completed in cutting-edge areas such as **Generative AI, Quantum Computing, VLSI, Accreditation and Outcome-Based Education, Robotics**, and many more. In addition, over **75 NPTEL and other online courses** were completed, with several faculty earning **Elite certifications** that highlight their academic excellence. Beyond these, faculty members also pursued additional certifications through platforms such as **Infosys Springboard, Udemy, and Hexaware**, ensuring that they remain at the forefront of evolving technologies and pedagogical practices.

Awards and Recognitions

This year also brought remarkable **awards and recognitions** that honor the dedication and achievements of our faculty. *Mrs. P. Soundarya* from the School of Science and Humanities was named **Best Assistant Professor of the Year** by the Aadhavaa Educational & Social Welfare Trust in **December 2025**. *Dr. R. Abinprakash*, also from S&H, received the **Best**

Paper Presentation Award at **ETFMGM 25**, while *Dr. T. Guhan* from Computer Science and Engineering was honored as the **Higher Education Leader of the Year 2025–26**. In the field of literature, *Mr. A. Gowtham* from Tamil, S&H, earned **regional awards for his contributions to Tamil literature and research**.

Beyond individual accolades, many of our faculty members contributed to the global academic community by serving as **reviewers for international journals**, chairing sessions at prestigious conferences, and receiving **certificates of excellence in peer reviewing**. These accomplishments reflect not only personal distinction but also the collective commitment of our faculty to advancing knowledge, fostering innovation, and elevating the reputation of our institution.

Our faculty have consistently demonstrated their commitment to professional growth and academic excellence. Over the past year, they have successfully completed numerous **Faculty Development Programs, ATAL training initiatives, and NPTEL courses** across a wide spectrum of emerging fields. These include **Generative AI, Prompt Engineering, Quantum Machine Learning, VLSI, Accreditation and Outcome-Based Education, Dynamic 3D Digital Twins**, and several domain-specific technical trainings. Such participation reflects their dedication to staying at the cutting edge of technology and pedagogy.

Many faculty members distinguished themselves by achieving **NPTEL Elite scores**, underscoring their mastery of advanced concepts. In addition, professional certifications were pursued through platforms such as **Udemy, Infosys Springboard, and Hexaware**, further enhancing their expertise and broadening their skill sets. These accomplishments not only enrich the teaching-learning process but also ensure that our students benefit from the most current knowledge and practices in their respective fields.

Research Proposals and Grants

This year, **faculty and student teams at ACET** actively pursued funded research opportunities, submitting proposals to both national and state agencies and securing

support for several innovative projects. Their efforts reflect the institution's growing emphasis on interdisciplinary and applied research, with outcomes that directly address societal needs.

Under the **Tamil Nadu State Council for Science and Technology (TNSCST)**, multiple student projects were awarded grants through the **Student Project Scheme**. Notable funded initiatives included *Campus Commute: Sustainable Transportation Solution on College Campus* by a Computer Science team, *AI-based Ocean Cleanup of Debris and Microplastics* also by CSE students, *EEG-based Home Automation for Physically Challenged People using Brain Computer Interface (BCI)* by the ECE team, and a *Low-Cost Myoelectric Hand* developed by Mechatronics students. Each of these projects received a grant of **₹7,500**, supporting prototype development and testing, and encouraging students to translate their ideas into tangible solutions.

In addition, three Civil Engineering student teams were shortlisted and funded under the **Jal Seva Adhyayan initiative of the Jal Jeevan Mission**. Their projects focused on **water resource management, sustainable infrastructure, and rural technology solutions**, with mentorship and financial support enabling them to implement their proposals effectively.

Faculty members also contributed significantly by submitting proposals to the **Indian Council of Social Science Research (ICSSR)**. These included projects on **AI-based student risk identification, LLM-powered intelligent terminals, and AI-driven personal safety systems**, integrating social science perspectives with emerging technologies to address real-world challenges. Beyond this, other faculty-led submissions explored **Federated Learning for IoT, AI-powered predictive analytics in healthcare, and Digital Crop Survey for sustainable agriculture**. Several of these proposals are currently under review, underscoring ACET's commitment to advancing research that bridges technology with community impact.

Placements

The **placement record for the 2026 graduating batch of Akshaya College of Engineering and Technology** reflects strong industry engagement and remarkable student success. This year, our students secured over **100 offers across all departments**, with opportunities spanning both core engineering and IT/software domains. The **highest package** was achieved by *Dharma Raju B* from ECE, who was placed at **Tata Consultancy Services (TCS)** with a package of **₹7,00,022 per annum**, setting a benchmark for excellence.

Core recruiters offered competitive packages across disciplines. *NXT SYNC Private Limited* extended multiple offers to ECE students at **₹4,50,000 per annum**, while *Coding Mart* recruited from CSE and ECE with packages of **₹4,20,000 per annum**, placing students such as *Akalya K*, *Shifana M F*, and *Harivathsan G. Corizo* recruited widely across AI&DS, CS&BS, CSE, and ECE, offering **₹4,00,000 per annum** to several students including *Varun M S*, *Elakiya S*, *Nadhiya R*, and others. Other notable placements included *QMAX Systems* (CSE) at **₹4,03,910**, *Tessolve Semiconductor* (ECE) at **₹4,00,800**, and *PNB Housing Finance Limited* (Civil) at **₹5,00,000 per annum**.

Students also secured offers from a diverse range of companies such as *Joy IT Solutions*, *Dotnix Technologies*, *VCODEZ*, *Blackstone Group Technologies*, *RNDOptimizer*, *Sakthi Gear Products*, *Pennar India Pvt. Ltd.*, *Amphisoft*, *MMM Solutions*, *Texmo Industries*, *Racer Tooling Industries*, *Sree Raghavendra Technologies*, *Mobitech Wireless Solutions*, *LeSucess*, *Intech Systems*, *Omega Healthcare*, *Rabbit QR*, *Struzon Technologies*, *Six Phrase – Edutech*, *Advart Technologies*, *Coarasco Software Solutions*, *Epicarp Solutions*, *Gradtwin Services*, *Xplore Intellects*, *Stipe Solutions*, and *FinAcc Technologies*. These placements spanned packages ranging from **₹1,80,000 to ₹5,00,000 per annum**, reflecting both breadth and depth of opportunities.

In addition, several **internships converted to full-time offers**, notably with *Ethara.AI*, where students from AI&DS and CS&BS completed paid internships worth **₹70,000 for 90 days**, leading to permanent positions.

Overall, the placement outcome demonstrates the institution's strong industry linkages and the readiness of our graduates to excel in diverse professional environments. With an **average package range of ₹2.5–₹4.5 LPA**, and representation across both **core engineering sectors**—Civil, Mechanical, Mechatronics—and **IT/software companies**, the 2026 batch has set a high standard for future cohorts.

Community Outreach and Social Responsibility

At Akshaya College of Engineering and Technology, we believe that education extends beyond the classroom and into the community. This year, our students and faculty continued to demonstrate their commitment to **social responsibility and outreach** through a wide range of impactful initiatives.

Through the **National Service Scheme (NSS)**, our teams actively engaged in programs that foster civic awareness and community development. We observed **World Water Day** with activities that highlighted the importance of water conservation and sustainable usage, reinforcing our responsibility toward environmental stewardship.

Our students also organized **women's safety awareness initiatives**, creating platforms for dialogue and education on issues of empowerment and protection. In addition, **blood donation drives** were conducted, reflecting the compassion and social commitment of our campus community.

Equally significant was our **rural technology outreach**, where student teams applied their technical knowledge to address local challenges, bringing innovative solutions to villages and underserved communities. These efforts not only enriched student learning but also strengthened our bond with society, ensuring that ACET remains a hub of socially relevant education and action.

Acknowledgements and Closing

The consolidated annual report reflects the collective efforts of our students, faculty, administrative staff, industry partners and governing bodies. The academic year 2025–2026 has been marked by strengthened industry collaborations, enhanced research activity, expanded hands-on learning opportunities, and meaningful student achievements in academics, innovation and sports. We acknowledge the dedication of every member of the ACET community and our industry partners for their continued support.

As we look forward to the next academic year, ACET remains committed to deepening research collaborations, expanding industry-aligned training, and nurturing ethical, competent engineers who will contribute to society and the nation.

Thank you.