Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sakshin

Monthly Newsletter of Dept. of CSE

2026 MARCH

VISION

Nurturing globally competent Computer science and Engineering graduates capable of taking challenges in the industry and Research & Development activities.

MISSION

M1. Imparting quality education to meet the needs of industry, and to achieve excellence in teaching and learning.

M2. Inculcating value-based, socially committed professionalism for the development of society.

M3. Providing support to promote quality research.

ABOUT ASIET

Adi Shankara Institute of Engineering & Technology in Kalady, established by the Adi Sankara Trust, aims to provide value-driven technical education that promotes professional excellence and ethical values. Under the blessings of the Jagadgurus of Sringeri Sharada Peetham, the trust has over 50 years of experience in managing educational institutions. The institute focuses on the holistic development of its students.

Recognition in Kerala Institutional Rankings Framework (KIRF) 2025

Adi Shankara Institute of Engineering and Technology, Ernakulam, secured the 14th position in the Engineering Category in the Kerala Institutional Rankings Framework (KIRF) 2025. The ranking was conferred under the initiative of the Department of Higher Education Government of Kerala in association with the Kerala State Higher Education Council, recognizing institutions that demonstrated excellence in higher education.

This achievement reflected the institution's sustained efforts in delivering quality education, fostering innovation, and maintaining strong academic and research standards. The ranking considered various performance indicators, including teaching-learning processes, research contributions, infrastructure, and student outcomes, highlighting the well-rounded development of the institution.

The recognition also underscored the dedication and collaborative efforts of the faculty, students, and management in creating a progressive academic environment. It served as a testament to the institution's commitment to continuous improvement and its vision of nurturing competent professionals equipped to meet industry and societal needs.

The certificate, issued in Thiruvananthapuram on March 7, 2026, marked a significant milestone, further strengthening the institution's reputation as one of the leading engineering colleges in Kerala.

ASIET Women's Team Clinched FISAT Cup 2026.

The women's team of Adi Shankara Institute of Engineering and Technology emerged as champions of the FISAT Cup 2026, securing a remarkable victory and bringing pride to the institution. The tournament, hosted by Federal Institute of Science and Technology, witnessed intense competition, where the ASIET team displayed exceptional skill, teamwork, and determination throughout the matches.

With consistent performance and a strong competitive spirit, the team outperformed their opponents and successfully claimed the championship title. This achievement highlighted the dedication and hard work of the players, as well as the support and encouragement provided by the institution in promoting excellence in sports alongside academics.

Achievement in CUSAT Cup 2026 Volleyball Tournament.

Adi Shankara Institute of Engineering and Technology proudly celebrated the achievement of its men's volleyball team for securing the Second Runner-Up position in the CUSAT Cup 2026.

The team demonstrated excellent coordination, determination, and sportsmanship throughout the tournament, competing against strong teams and delivering commendable performances. Their success reflected consistent practice, teamwork, and a competitive spirit.

This achievement brought pride to the institution and highlighted its encouragement towards excellence in sports alongside academics. The department extended its congratulations to the team for their outstanding performance

Recognition from Kerala Startup Mission for Hackathon Excellence.

Adi Shankara Institute of Engineering and Technology received an award from the Kerala Startup Mission in recognition of successfully organizing a hackathon in collaboration with TinkerHub.

This recognition highlighted the institution's active role in fostering innovation, entrepreneurship, and collaborative learning among students. The successful execution of the hackathon reflected strong coordination, engagement, and commitment to creating impactful technical experiences.

Special appreciation was extended to Ms. Ramani Bhai V, Ms. Chinnu Maria, and Ms. Parvathy for their efforts in organizing and coordinating the event. The institution congratulated them on this achievement and acknowledged their contribution to the success of the initiative.

Champions at NIT Cup 2026.

The women's volleyball team of Adi Shankara Institute of Engineering and Technology emerged as champions at the NIT Cup 2026 held at National Institute of Technology Calicut.

The team delivered an outstanding performance throughout the tournament, showcasing exceptional teamwork, determination, and sportsmanship. Competing against strong opponents, they demonstrated consistent skill and resilience to secure the championship title.

This remarkable achievement brought great pride to the institution and highlighted its commitment to encouraging excellence in sports alongside academics.

Literary Club Execom 2026 – CSE Representation.

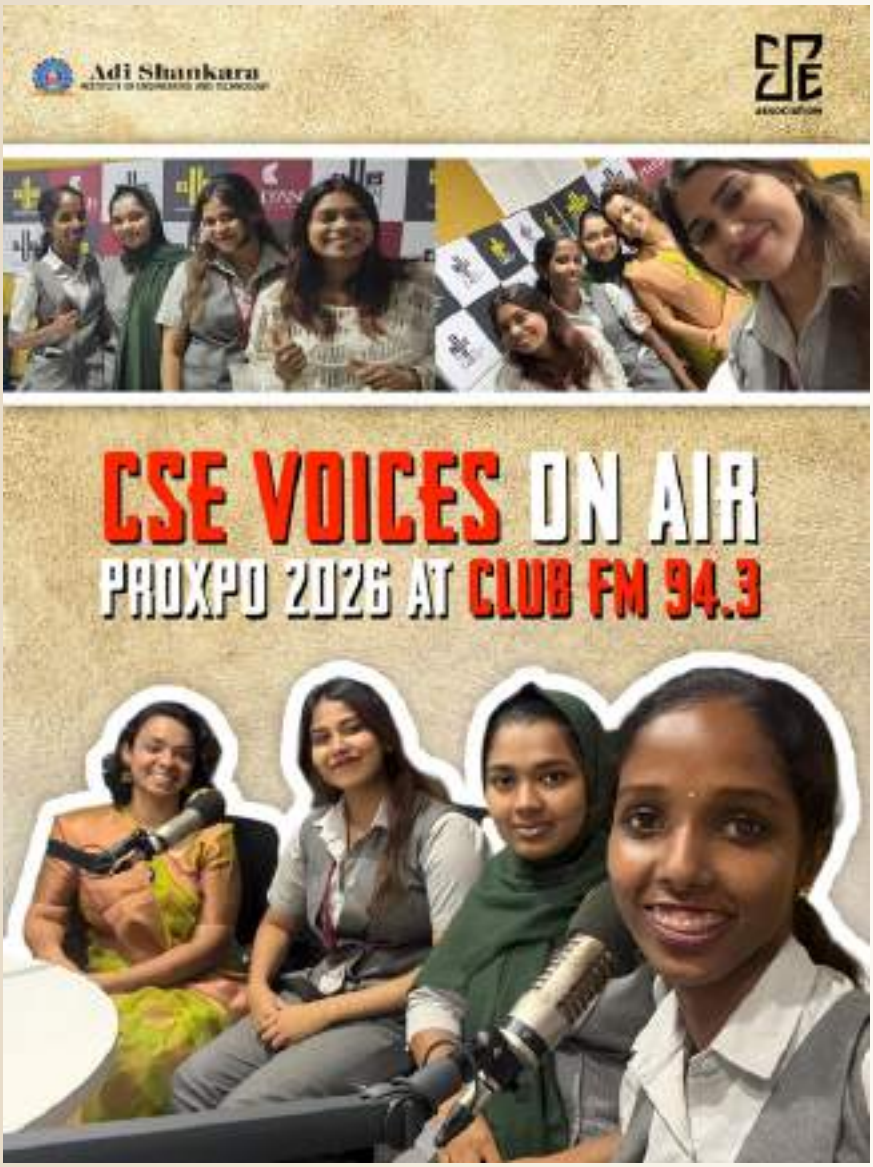
The Adi Shankara Institute of Engineering and Technology Literary Club Execom 2026 witnessed notable contributions from Computer Science and Engineering students across various teams, showcasing their creativity, leadership, and coordination skills. In the Design team, A S Abhishek (S2 CSE A) played a significant role in developing the visual elements and overall presentation. The Event and Coordination team comprised Sivanand P S, Rosphil Maria, and Ram Madhav R Kammath (S2 CSE C), who effectively organized and managed events, ensuring their smooth execution. Muhammed Afreen (S4 CSE C), as part of the Advisory Committee, provided valuable guidance and support in planning and decision-making. In the Content and Documentation team, Sree Sankar (S2 CSE C) contributed to the creation and maintenance of written and creative materials.Their collective contributions enhanced the club's initiatives and reflected a deep commitment to literary excellence and collaborative growth.

Daksha Dance Team Secures Third Prize at Intercollegiate Competition.

The Daksha college dance team achieved a commendable milestone by securing the third prize at an intercollegiate dance competition held at Carmel College of Engineering and Technology on 27 February 2026. Competing against several talented teams, Daksha impressed the judges with their synchronization, creativity, and energetic performance. Their dedication and consistent practice were clearly reflected in their stage presence and execution.

The team's outstanding effort was recognized with a cash prize of ₹10,000, marking a proud moment for the institution. This achievement not only highlighted the artistic talents of the students but also brought recognition to the college at a competitive platform.

CSE Innovation Featured on Club FM 94.3



The innovative spirit of the Computer Science and Engineering department of Adi Shankara Institute of Engineering and Technology was showcased on Club FM 94.3, marking a proud moment for the institution. The session highlighted insights about ProXpo 2026, the flagship Project Expo conducted by final-year and pre-final-year CSE students, focusing on creativity, technical excellence, and teamwork.

The interaction featured student representatives Nafeesa A.S, Amala Balu, and Jincy Varghese (S8 CSE), along with Ms. Shany Jophin, Assistant Professor, under the guidance of Dr. Ramani Bai V, Head of the Computer Science Department. During the session, the team shared their experiences, discussed innovative project ideas, and explained the vision behind organizing ProXpo 2026. The opportunity served as a platform to present their passion for technology and innovation to a wider audience, making it a memorable and inspiring experience.

ProXpo 2026 – CSE Project Exhibition & Competition.

ProXpo 2026, the CSE Project Exhibition and Competition, was successfully conducted on March 30, 2026, at the ASIET Courtyard, showcasing 115 innovative projects developed by S6 and S8 students. The event served as a vibrant platform for students to present their ideas, creativity, and technical skills.

The inaugural session was graced by Dr. Murali M S (Principal), Dr. Ramani Bai V (HoD, CSE), Dr. Sreepriya S (Dean–Research), and Mr. Sreekant N (GM). The program commenced with a welcome address by Dr. Ramani Bai V, followed by the presidential address by Dr. Murali M S and remarks by Dr. Sreepriya S. The session concluded with a vote of thanks delivered by Dr. Sreedevi R Krishnan.

The exhibition witnessed enthusiastic participation from visitors, including students and teachers from Sharadha Vidyalaya. Adding value to the event, Ms. Sharika T R introduced industry experts from µLearn, Ms. Angel Rose (TravelAnimator) and Mr. Mohamed Faraz M S (Lascade), who evaluated the projects and expressed interest in offering internship opportunities to students. Overall, ProXpo 2026 provided a meaningful platform for innovation, collaboration, and industry interaction, making it a grand success.

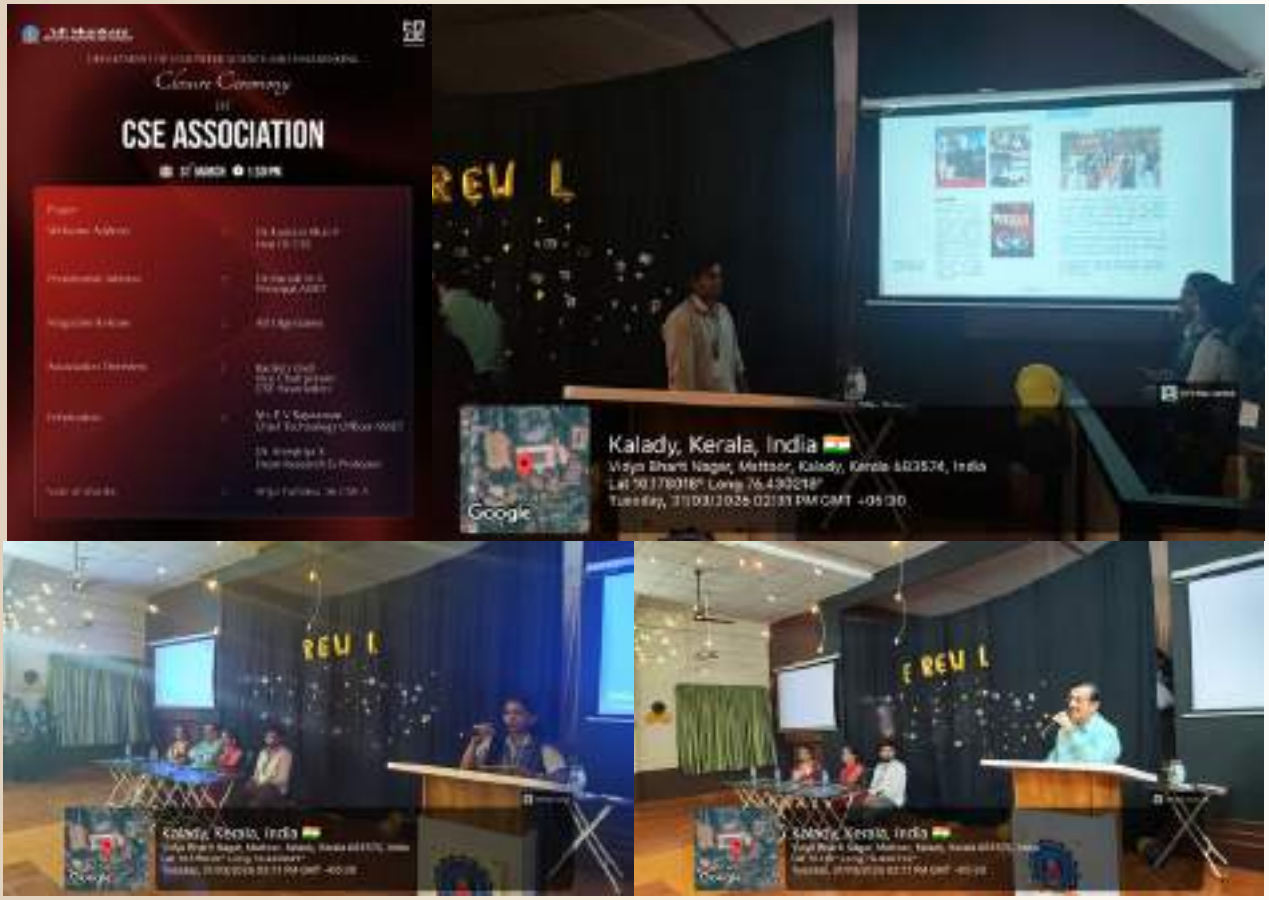
Farewell Program “Hridayapoorvam”

The farewell program “Hridayapoorvam” was organized by the third-year CSE students for the 2022–2026 batch on 31st March 2026 at the college auditorium. The event commenced with a welcome by Ms. Nandana S Nair and was attended by final-year students, faculty members, and staff, creating a warm and memorable gathering.

The program included a variety of activities such as games, cake cutting, musical performances, and the screening of memorable videos, creating a lively and nostalgic atmosphere. A lunch session was also arranged, providing an opportunity for informal interaction. Faculty members addressed the gathering with heartfelt messages and best wishes, and gifts were presented to the seniors as a token of appreciation.

The event concluded with a photo session and interactions, capturing memorable moments. Coordinated by Ms. Sreedevi R Krishnan, Ms. Shany Jophin, and Ms. Rosemary Varghese, the program served as a meaningful send-off, celebrating the bond between juniors and seniors and wishing the outgoing students success in their future endeavors.

Closure Ceremony of CSE Association



The Closure Ceremony of the CSE Association was held on 31st March 2026 at the Auditorium, commencing at 2:12 PM with a prayer. The event began with a welcome address by Dr. Ramani Bhai V, Head of the Department of CSE, who highlighted the importance of student initiatives and warmly welcomed the dignitaries.

This was followed by the presidential address by Dr. Murali M S, Principal, who appreciated the efforts and achievements of both students and faculty members. A key highlight of the program was the inauguration of the CSE Magazine, officially launched by the dignitaries, showcasing the creative and technical contributions of students.

An overview of the association's activities and accomplishments was presented by Bashim Hadi, Vice Chairperson, reflecting on the successful events conducted throughout the academic year. The ceremony concluded with a vote of thanks by Afiya Fathima, expressing gratitude to all who contributed to the event, marking the formal closure of the CSE Association activities.

ProXpo 2026 Prize Distribution

The winners of ProXpo 2026, the annual project exhibition organized by the Department of Computer Science and Engineering, were honored during the prize distribution ceremony. Cash prizes were presented by Mr. Rajeev Srinivas, Region Head – Academic Alliances Group (Kerala), TCS, in the presence of the Principal, HoD, faculty members, and students.

From the 2023–2027 batch, the first prize winners were Afiya Fathima, Ajana C U, and Ajith J (CSE A) for Conversational Intelligent Reply Assistant under the guidance of Ms. Neetha K Nataraj; Haala Bee Sabu, Fathimath Hiba, and Karthik K (CSE B) for NutriBot under Ms. Chinnu Maria Varghese; and Muhammed Nihal, Sana Fathima Salim, and Sanjana Elizabeth K V (CSE C) for Smart Energy Monitoring System under Dr. Sanjuna K R.

From the 2022–2026 batch, first prizes were awarded to Abhinav R S, Abiram R, Amrita Sibi, and Ashutosh V M (CSE A) for Interactive Humanoid Robot under Dr. Ramani Bai V; Bharath Ananth, Christin Joji, Gokul P Mann, and Jeffin Jose (CSE B) for Zyra Smart Mirror under Mr. Anjush R K; and Devika Shibu, Distow Poly, Fathima Aboobakker, and Jes John P S (CSE C) for Smart Resuscitation System under Ms. Thara / Mr. Jerin.

Second prizes were won by Anitha P J, Athmaja C P, Athulya Theresa, and Avani T R (CSE A) for Smart Cane with AI Object Detection under Ms. Anila S; Basil Paul, Deslin Delvi, Effin Shaji, and Gautam Dev (CSE B) for Substation Safety System under Dr. Sreedevi R Krishnan; and Paul Eldhose, Rishikesh K S, Roshan O S, and Sai Asok (CSE C) for Post Quantum Cryptography-based Algorithm for Web Browser under Ms. Shany Jophin.

The ceremony recognized the innovation, teamwork, and technical excellence of students, making it a proud and memorable occasion for the department.

Design Patent Grant for AI-Enhanced Cache Optimization Module

The Department of Computer Science and Engineering proudly announced that Dr. Ramani Bai V, Professor and Head of CSE, along with her project team comprising Ms. Sona Deyo, Ms. Nafeesa A S, Ms. Sona Mary Bijoy, and Mr. Paul M Martin of S8 CSE C had successfully secured a Design Patent Grant for their innovative work titled “AI-Enhanced Cache Optimization Module for Low-Power Embedded Systems.”

The design was officially registered under Design Number 487625-001 in Class 14-02. The patent certification confirmed that the design, as submitted, had been formally recognized and registered in the names of all five contributors. This achievement highlighted the team’s dedication to advancing energy-efficient computing solutions through the integration of artificial intelligence in embedded systems.

This accomplishment marked a significant milestone for the department, reflecting its continued commitment to research excellence, innovation, and impactful technological development in emerging domains.

Design Patent Recognition for IoT-Based Air Pollution Monitoring Device.

Adi Shankara Institute of Engineering and Technology proudly announced that Dr. Sanjuna K. R., Associate Professor, and Ms. Alsha Thomas, Assistant Professor, Department of Computer Science and Engineering, along with their co-authors, successfully secured a Design Patent titled “IoT Based Device to Measure Air Pollution.”

The patent, bearing Design No. 479327-001, was granted on 06/11/2025 under Class 10-04 in accordance with the provisions of the Designs Act, 2000 and the Designs Rules, 2001. The work was carried out collaboratively by Dr. Reji R, Dr. Fousia M Shamsudeen, Ms. Divya M P, Ms. Sareena K K, Ms. Dhanya M Rajan, Dr. Sanjuna K R, Sajmi Salam, Sophiya Mathews, Chinju V C, and Ms. Alsha Thomas.

The Certificate of Registration of Design was officially issued by the Intellectual Property Office India under the Patent Office Government of India, recognizing the originality and innovation of the developed design. This certification validated that the design met all required legal and technical standards.

This achievement highlighted the institution’s strong focus on research, innovation, and the development of practical solutions addressing real-world challenges such as air pollution. It also reinforced the importance of intellectual property creation and encouraged further research initiatives within the institution.

The accomplishment marked a significant milestone for the faculty and the institution, strengthening its reputation in the field of technological innovation and research excellence.

Faculty Achievement in Wipro Certified Faculty Assessment

Adi Shankara Institute of Engineering and Technology proudly recognized the achievement of its faculty members from the Department of Computer Science and Engineering for successfully clearing the Wipro Certified Faculty (WCF) Assessments with commendable performance.

Ms. Anila S excelled in Java Full Stack Programming, securing an outstanding score of 98%. Ms. Sharika T. R. achieved 93.8% in Database Solutions Expert, while Ms. Akshaya Jayaraj successfully cleared the Database Solutions Expert assessment with a score of 78.62%.

These certifications, conducted by Wipro, reflected the faculty members' dedication to continuous professional development and their commitment to staying updated with industry-relevant skills. Their accomplishment further strengthened the academic excellence of the department and enhanced the quality of education imparted to students.

The institution appreciated their efforts and congratulated them on this significant achievement.

Certificate of Appreciation

Ms. Shany Jophin has been awarded a Certificate of Appreciation for her commendable role as a Session Chair at the 6th National Conference on Research in Emerging Areas–26 (NACORE–26), Phase II.

The conference was held from 17–19 March 2026 at Amal Jyothi College of Engineering, in association with the Kottayam ACM Professional Chapter.

This recognition reflects her outstanding academic involvement, leadership, and meaningful contribution to the research community. Wishing her continued success in all her future endeavors!

PhD Achievement: A Doctoral Milestone – Dr. Sreedevi R Krishnan.

Hearty congratulations were extended to Dr. Sreedevi R Krishnan on the proud achievement of receiving her PhD degree at the convocation held at Avinashilingam University for Women, Coimbatore on March 27, 2026. This remarkable milestone reflected her dedication, perseverance, and commitment to academic excellence.

The achievement was a moment of pride for the institution, and she was wished continued success, growth, and excellence in all her future endeavours.

FDP on AI tool for Engineering Education

Dr. Ramani Bai V, Head of the Department of Computer Science and Engineering, and Dr. Sreedevi R Krishnan successfully completed the 5-Day Faculty Development Program titled “AI Tools for Engineering Faculty: Enhancing Teaching, Research, and Academic Productivity.” The programme was organized by the Department of Computer Science and Engineering, School of Engineering and Technology, CMR University, Bengaluru, and was conducted from 9 March 2026 to 13 March 2026 under the initiative of the Institution’s Innovation Council, with support from the Ministry of Education Innovation Cell and IEEE.

The FDP focused on the effective integration of artificial intelligence tools in engineering education, with special emphasis on enhancing teaching methodologies, research capabilities, and academic productivity. The sessions provided valuable insights into modern AI-driven tools for content creation, data analysis, academic writing, and classroom engagement, enabling faculty members to strengthen their expertise in adopting innovative academic practices.

This achievement reflects the department’s continued commitment to academic excellence, innovation, and the integration of emerging technologies in higher education.

IEEE Paper Publication Achievement.

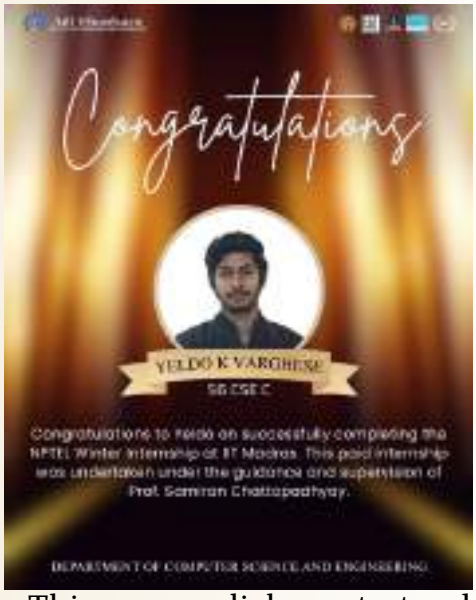
Congratulations were extended to students Ben George, Charukesh Prasanth, Jaskaran Singh, and Karthik E M of S8 CSE B , along with staff members Chinnu Maria Varghese and Sreedevi R Krishnan, on the successful publication of their IEEE paper titled “Distance Perception in Vision-Language Models for Blind Navigation and Scene Interpretation.” The achievement highlighted their dedication to research and innovation, contributing significantly to advancements in assistive technologies and intelligent systems.

Industrial Visit of S2 CSE C to Vcode Infotech

The industrial visit for S2 CSE C was conducted on March 7, 2026, at Vcode Infotech, Thodupuzha. During the visit, students gained practical exposure to industry operations and enhanced their technical knowledge through real-world insights in the IT field. The session offered a deeper understanding of professional practices and current trends in the industry.

The visit was supervised by Ms. Asha Alias and Mr. Prabhu M, who guided the students throughout the program. Additionally, the trip included a visit to Vagamon, which helped strengthen team coordination and bonding among students. Overall, the industrial visit was a valuable learning experience, combining both technical exposure and team-building activities.

Successful Completion of NPTEL Winter Internship.



The Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology proudly acknowledged the achievement of Yeldo K Varghese (S6 CSE C) for successfully completing the NPTEL Winter Internship at Indian Institute of Technology Madras. This paid internship was conducted under the guidance and supervision of Prof. Samiran Chattopadhyay, providing valuable exposure to advanced academic and research-oriented learning.

During the course of the internship, the student demonstrated dedication, technical competence, and a strong commitment to learning, reflecting the academic standards upheld by the institution. This accomplishment stood as a testament to the quality of education and the encouragement provided by the department in fostering industry-relevant skills and experiential learning opportunities.

Achievement at Hack4Safety 24-Hour Hackathon.

Students Rohith Rajeevan, Muhammad Fayiz, Sony Sebastian, and Roshan Varghese of S6 CSE C from Adi Shankara Institute of Engineering and Technology secured the 3rd prize at the Hack4Safety 24-Hour Hackathon. The event was organized by the KTU NSS Cell in association with NSS Muthoot Institute of Technology and Science, Varikoli.

The team demonstrated exceptional problem-solving skills, innovation, and teamwork throughout the 24-hour hackathon, earning recognition for their outstanding performance. Their achievement was honored with a cash prize of ₹8,000, reflecting their dedication and technical excellence.

The accomplishment was guided and supported by their mentor, Ms. Alsha Thomas, whose mentorship played a significant role in the team's success. This achievement highlighted the institution's continued commitment to fostering innovation, collaboration, and practical learning among students.

Hackathon Finalists at HackFit 4.0

Adi Shankara Institute of Engineering and Technology proudly recognized the commendable performance of its students Muhammed Nihal PA, Nandana Rajesh, Sanjana Elizabeth, Sana Fathima Salim, Nandhana S Nair, Thobiyas M Babu, Rida Zahara, Nobin Civi, Midhun Seemkumar, Theertha Prakashan, Nimal K G, Sandia Jees, Reetha Mathew, Rishika H Das, Megha E B, Neha S of S6 CSE C, Meenu K S, and Lakshmipriya K S of S2 CSE B at HackFit 4.0, a 36-hour hackathon conducted at Federal Institute of Science and Technology, Angamaly, from 6–8 March.

Competing among numerous talented teams, the participants successfully cleared the initial two rounds and advanced to the final round, showcasing strong innovation, teamwork, creativity, and technical expertise throughout the competition. Their performance reflected the practical skills and collaborative spirit nurtured within the institution.

Reaching the finals stood as a significant achievement, highlighting their dedication and problem-solving abilities in a highly competitive environment. The experience contributed to enhancing their confidence and exposure, encouraging them to continue striving for excellence and achieve greater milestones in future endeavors.

Achievement in Young Innovators Programme (YIP) 8.0

Adi Shankara Institute of Engineering and Technology proudly celebrated the achievement of its students Nandana Rajesh, Nandana Silju, Rida Zahara N, and Vyshnav Jayakumar of S6 CSE C, who were selected as District Level Winners (Ernakulam) in the Young Innovators Programme (YIP) 8.0, organized by Kerala Development and Innovation Strategic Council, Government of Kerala.

The team demonstrated outstanding innovation, creativity, and problem-solving skills, which enabled them to secure recognition at the district level among numerous participants. Their idea was further shortlisted for the State Level Evaluation, scheduled to be held on 28 March 2026 at Government Engineering College Thrissur.

Achievement at FUGENHACK Hackathon

Adi Shankara Institute of Engineering and Technology proudly acknowledged the achievement of its students R B Ravish (S4 CSE C), Kamal Krishna (S6 CSE B), Harigovind (S6 CSE B), and Sreenivasa Bhakthan (S6 CSE C), who secured the Second Prize at the FUGENHACK Hackathon organized by Sree Narayana Gurukulam College of Engineering.

The team was awarded a cash prize of ₹10,000 in recognition of their outstanding performance. Their success reflected strong innovation, effective teamwork, and technical expertise demonstrated throughout the competition. This accomplishment highlighted the students' dedication and the institution's commitment to fostering practical learning and problem-solving skills. The department expressed pride in their achievement and encouraged them to continue striving for excellence in their future endeavors.

Participation in Idukki Hydro Electric Project Golden Jubilee Expo

Adi Shankara Institute of Engineering and Technology proudly acknowledged the participation of its students Basil Paul, Deslin Delvi, Effin Shaji, and Gautam Dev of S8 CSE-B, who attended the Golden Jubilee Celebration of the Idukki Hydro Electric Project (IHEP) at Moolamattom under the guidance of Dr. Sreedevi R. Krishnan.

As part of the celebrations, a Project Expo was organized, where selected projects were shortlisted for public exhibition. The team's project titled "Substation Protection and Risk Control" was shortlisted and successfully presented to officials of Kerala State Electricity Board, along with staff members and the general public.

The opportunity to showcase their work at such a prestigious platform reflected the team's technical capability, innovation, and practical application of knowledge. This achievement highlighted the institution's emphasis on experiential learning and industry interaction, encouraging students to contribute to real-world engineering challenges.

Achievement in "Thoolika" Literary Program.

Adi Shankara Institute of Engineering and Technology proudly congratulated Ms. Sanjana Elizabeth KV of S6 CSE C for securing the second position in "Thoolika," a program organized by the Literary Club of the institution.

Her achievement reflected creativity, literary talent, and dedication, standing out among the participants. This accomplishment highlighted the importance of co-curricular activities in nurturing students' artistic and expressive abilities alongside academics.

The institution appreciated her success and encouraged students to actively participate in such events to explore and develop their talents.

Participation in STC PROJEX '26 / YVIDH '26 Project Expo.

Adi Shankara Institute of Engineering and Technology witnessed the active participation of its students Sana Kuriakose, Sidharth Santhosh, and Vaishnav M. S of S6 CSE C in the STC PROJEX '26 / YVIDH '26 – Annual International Project Expo held at St. Thomas College of Engineering and Technology Chengannur on 13 March 2026.

The team presented their project titled "AI Timetable Generator" under the guidance of Ms. Alsha Thomas. The project was shortlisted for the expo and was successfully demonstrated during the event before judges, faculty members, students, and visitors.

The project showcased an intelligent approach to automatically generating academic timetables efficiently while minimizing scheduling conflicts. Their participation reflected innovation, technical competence, and the ability to apply theoretical knowledge to practical solutions, further emphasizing the institution's focus on experiential learning and research-oriented development.

First Prize at HACK KARMA Hackathon

Students of Adi Shankara Institute of Engineering and Technology – Sanjana Elizabeth, Muhammad Nihal, Sana Fathima, and Midhun Seemkumar of S6 CSE C – secured the First Prize (₹15,000) at the HACK KARMA Hackathon conducted at KMCT College of Engineering.The team demonstrated exceptional innovation, teamwork, and technical proficiency while competing against participants from various institutions. Their performance reflected strong problem-solving abilities and the capacity to develop effective solutions within a competitive environment.

The team was guided by Ms. Alsha Thomas, whose mentorship played a significant role in their success. This achievement highlighted the institution's continued commitment to nurturing innovation, collaboration, and technical excellence among students.

First Prize at HACKASTRA Hackathon

Students of Adi Shankara Institute of Engineering and Technology – Joyal Aliyas, Joseph John, and Joel Jose Idiculla of S4 CSE-B – secured the First Prize (₹10,000) at HACKASTRA, a 21-hour hackathon organized by the Department of Computer Applications of the institution.The team demonstrated remarkable innovation, teamwork, and technical skills throughout the competition, successfully emerging as winners among the participants. Their achievement reflected strong problem-solving abilities and effective collaboration in a time-bound competitive environment.

The accomplishment was supported by the guidance and mentorship of Ms. Raghi Menon and Dr. Deepa Devassy, whose encouragement and expertise played a key role in nurturing the team's performance. This success highlighted the institution's continued focus on fostering innovation and excellence among students.

GATE Qualification Achievement in Computer Science

Students from the Computer Science stream of Adi Shankara Institute of Engineering and Technology achieved a significant academic milestone by successfully qualifying in the Graduate Aptitude Test in Engineering (GATE) in Computer Science. Ben George (S8 CSB), C R Krishna (S6 CSB), and Seethal Vijayan (S8 CSC) demonstrated exceptional dedication and strong conceptual understanding to accomplish this feat.

Their achievement reflected consistent hard work, perseverance, and academic excellence, bringing recognition to the department and inspiring fellow students to pursue higher goals in technical education and competitive examinations.

Outstanding Academic Achievement in S5 KTU Results

The Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology proudly celebrated the remarkable performance of its students in the S5 KTU B.Tech Degree Examinations. A significant number of students secured high SGPAs, reflecting consistent academic excellence and dedication. The results showcased an impressive concentration of top performers with SGPAs above 9, followed by a strong cohort achieving scores in the 8.5–9 and 8–8.5 ranges. This achievement highlighted not only the students' perseverance and commitment but also the department's supportive academic environment and quality guidance. The overall outcome stood as a testament to the institution's focus on academic rigor and its continued pursuit of excellence in technical education.

Outstanding Academic Achievement in S3 University Examinations

The Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology recorded an impressive performance in the KTU University S3 examinations. Several students achieved SGPA scores above 9, reflecting outstanding academic excellence and dedication.

A considerable number of students also secured SGPA scores above 8.5, while many others scored above 8, indicating consistent and commendable performance across the department. The results highlighted the collective efforts of students and faculty, along with a supportive academic environment that encouraged success.This achievement stood as a proud moment for the department and motivated students to aim for even higher standards in the future.

IEEE Student Branch Receives Regional Exemplary Award

The IEEE Student Branch of Adi Shankara Institute of Engineering and Technology was honored with the IEEE Regional Exemplary Student Branch Award 2025 under IEEE Region 10 (Asia Pacific). This prestigious recognition was awarded to student branches that demonstrated outstanding commitment to IEEE's mission through impactful technical, professional, and community-oriented initiatives.

This achievement reflected the collective dedication, teamwork, and enthusiasm of the student volunteers, faculty advisors, and members who consistently worked towards creating meaningful opportunities for learning, innovation, and professional growth. The recognition stood as a testament to the branch's active engagement and its continued efforts in fostering a vibrant and progressive technical community.

Technical Session on "Beyond Coding: The Attitude and Skills that Define Industry Success"

Adi Shankara Institute of Engineering and Technology conducted a technical session titled "Beyond Coding: The Attitude and Skills that Define Industry Success" on 13th March 2026 at the Main Seminar Hall for S6 CSE students, organized jointly by ASIET ACM and the Computer Society of India.

The session was led by Ms. Sruthi Nair, HR Manager – Talent Development Team at TCS Kochi, who highlighted the importance of non-technical skills such as communication, adaptability, teamwork, and a growth mindset. Through interactive discussions and real-world examples, students gained valuable insights into industry expectations and career development.

The session was well-received by students for its practical relevance and engaging approach. The institution expressed gratitude to Ms. Sruthi Nair and Mr. Rajeev Sreenivas for facilitating the session. The program was successfully coordinated by Ms. Neetha K Nataraj and Ms. Alsha Thomas.

Build With AI – 2026 Hackathon.

Build With AI – 2026, an overnight hackathon organized by GDGoC ASIET in collaboration with µLearn ASIET, was successfully conducted at Adi Shankara Institute of Engineering and Technology from March 31 to April 1. The event followed an offline format and brought together participants in teams of two to develop practical AI-based solutions within a limited timeframe. The program began with participant check-in, followed by a pre-hackathon session led by Joyal Basil Kurian, Consulting Intern at EY. The main development phase continued overnight, allowing participants to engage in rapid prototyping, collaboration, and innovation, before concluding with project submissions in the early morning.

The hackathon aimed to encourage real-world problem-solving using AI, while promoting teamwork, creativity, and hands-on experience with modern development workflows. The event was coordinated by staff members Sharika T R and Ambily Mohan, along with student coordinators Govindan S and Mathew Joseph T A. Overall, the program was successful in fostering a strong builder mindset among participants and highlighting the importance of practical learning in emerging technologies.

Build With AI 2026 – Google AI Studio Session.

As part of the Build With AI 2026 initiative, GDGoC ASIET in collaboration with µLearn conducted an online session on March 30 at 7:00 PM, focusing on Google AI Studio. The session was led by Govindan S, GDGoC Organizer, and was held via Google Meet. It aimed to introduce participants to AI-driven development and demonstrate how ideas could be transformed into functional prototypes using modern AI tools.The session emphasized hands-on and experiential learning, encouraging participants to actively engage in building projects rather than passively attending. It provided valuable insights into real-time AI application in software development and served as a foundation for exploring AI-based workflows. Coordinated by staff members Ambily Mohan and Sharika T R, along with student coordinators Govindan S and Mathew Joseph T A, the session successfully promoted practical, project-based learning and enhanced participants' understanding of AI technologies.

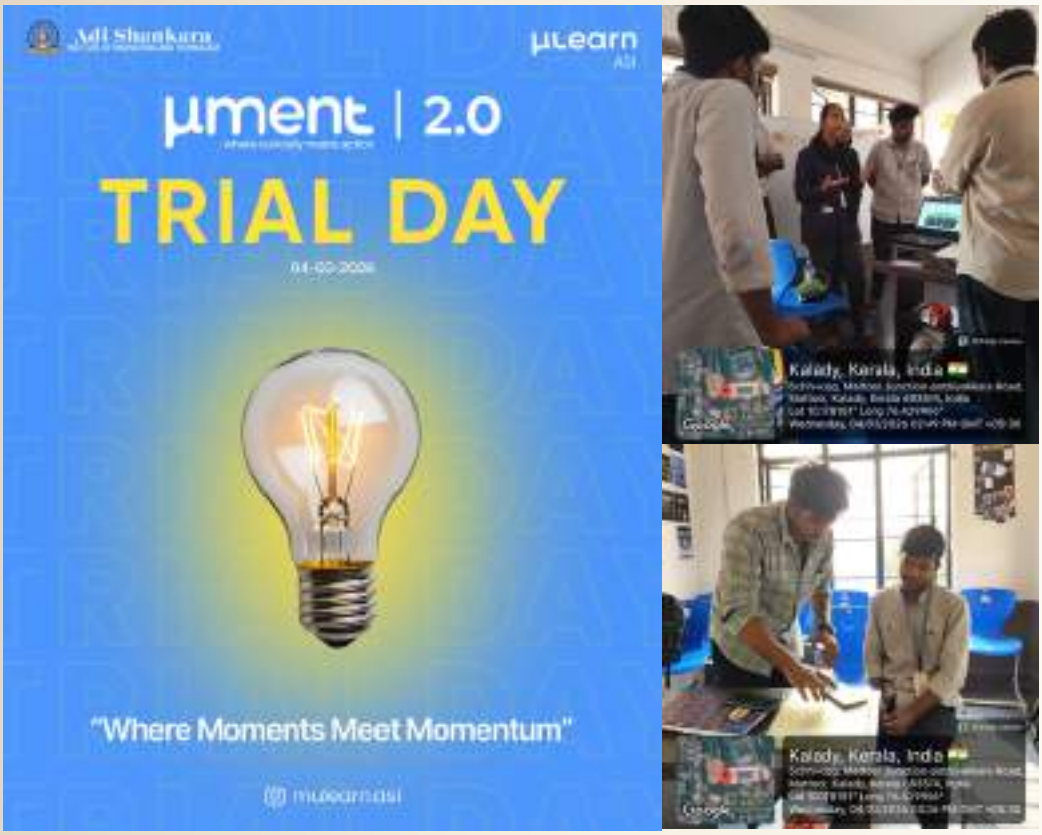
Exploring IT Career Pathways: Skills, Expectations, and Industry Readiness.

The Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology, in association with the Computer Society of India, organized an expert talk titled “Exploring IT Career Pathways: Skills, Expectations, and Industry Readiness” on 7th March 2026 at 9:00 AM for final year and pre-final year students. The session aimed to equip students with the right skills, guidance, and confidence required to face emerging opportunities in the IT industry.

The session was delivered by Vinod Rajan, Value Catalyst and Global Program Manager at UST, Kochi. He provided valuable insights into current industry expectations, diverse IT career pathways, and the essential technical and professional skills required to succeed in the field. The session also focused on effective placement preparation strategies, including mock group discussion practices and interview techniques, enabling students to better understand recruitment processes.

The session was highly interactive and informative, offering students a clear perspective on industry trends, skill development, and employability enhancement. It successfully guided participants in preparing themselves to meet the evolving demands of the IT sector. The event was coordinated by Dr. Sreedevi R Krishnan and Ms. Shany Jophin from the Department of Computer Science and Engineering.

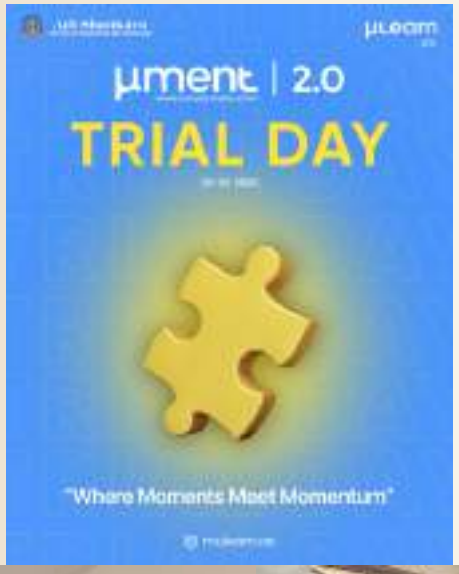
µMent 2.0 Trial Day 1 Showcased Innovation and Progress



µMent 2.0 Trial Day 1 was conducted on 04 March 2026 at Muspace, organized by µLearn ASIET. The event marked an important milestone after a month of continuous learning, building, and experimentation by the participants. It served as the first official trial phase where students presented the projects they had developed during the µMent journey.

Participants enthusiastically showcased their progress, shared their ideas, and demonstrated the practical aspects of their work. The event provided a valuable platform for refining concepts, receiving feedback, and taking their projects a step closer to real-world impact. The atmosphere reflected a strong blend of innovation, creativity, and dedicated effort, bringing together aspiring minds on a single stage under the theme “Where Moments Meet Momentum.”

µMent 2.0 Trial Day 2 Successfully Concluded.



µment 2.0 Demo Day: A Celebration of Consistency and Skill Development.

Adi Shankara Institute of Engineering and Technology successfully conducted the µment 2.0 Demo Day, marking the culmination of a 30-day journey focused on skill development, consistency, and real-world output.

The initiative encouraged students to choose a skill, practice it consistently for 30 days, and build a tangible outcome, which they confidently presented during the Demo Day. The program emphasized experiential learning, moving beyond theory to a hands-on approach of learning, building, and showcasing.

The event witnessed a wide range of projects, spanning areas such as cooking, creative arts, and advanced technological innovations including Agentic AI. The diversity and creativity displayed by the participants reflected their dedication, discipline, and passion for learning.

The Demo Day stood as a proud moment for the institution, highlighting the effectiveness of consistent effort and self-driven learning in achieving meaningful outcomes.

Expert Insights by µLearn at ProXpo 2026

As part of ProXpo 2026, the CSE Project Exhibition and Competition organized by Adi Shankara Institute of Engineering and Technology on March 30, in association with µLearn ASIET and Club FM 94.3, µLearn played a significant role in enriching the event with industry interaction and expert guidance. The exhibition provided a dynamic platform for students to present innovative projects and explore practical applications of their technical knowledge.The presence of µLearn experts, Ms. Angel Rose, Product Lead at TravelAnimator, and Mr. Mohamed Faraz M S, Head of Strategy and Operations at Lascade, added immense value to the program. They visited the exhibition, actively engaged with participants, and evaluated the projects in detail. The experts also identified and selected some of the best projects, offering internship opportunities to the respective students. Their insights and recognition encouraged participants to focus on real-world problem-solving and innovation, making µLearn's contribution a key highlight of ProXpo 2026.

Open Mic at MuSpace

The Open Mic event was held on 27th March 2026 at MuSpace during the lunch break. The session was initiated by Sahala Mariyam P S, encouraging students to showcase their talents in a free and informal setting.

The event featured various performances including singing, dancing, stand-up comedy, and mimicry. A highlight of the session was the singing performances by several students, which added energy and enthusiasm to the event.

The audience actively supported the performers, creating a lively atmosphere. Overall, the event provided a platform for creativity and student engagement, though better coordination could improve future sessions.

Beach Cleaning Drive under Swachhata Action Plan

As part of the Swachhata Action Plan initiated by the Government of India, the NSS units of Adi Shankara Institute of Engineering and Technology organized a beach cleaning drive at Kuzhuppilly Beach on March 20. The program was inaugurated by Smt. Jalja, Member of Kuzhuppilly Panchayat. Volunteers from NSS Unit 228 and Unit 303 actively participated in the initiative, working together to remove plastic waste, bottles, and other debris scattered along the shoreline. The activity aimed to promote environmental awareness and encourage responsible waste management among the public. The collective effort significantly improved the cleanliness of the beach and emphasized the importance of maintaining a pollution-free environment. Through this initiative, the students demonstrated strong teamwork, social responsibility, and a deep commitment to environmental conservation. The program successfully reflected the institution's dedication to community welfare and sustainability while inspiring participants to contribute actively to cleanliness drives.

Attendance:
1. Nandhana S Nair - S6 CSE C
2. Athulya Santhosh - S4 CSE B
3. Amrutha Vijayan - S4 CSE A
4. Arsha S Nair - S4 CSE A
5. Adithyan C Sunil - S4 CSE A
6. Vyshnav P K - S4 CSE C
7. Angel Devis - S4 CSE A
8. Abhinavsai - S4 CSE A
9. Bhadra S Kartha - S4 CSE B
10. Nakshathra Naveen - S4 CSE C
11. Vrinda KS - S4 CSE C
12. Bhaumik - S4 CSE B.

Agentic AI: The Double-Edged Sword of Digital Autonomy

The rise of agentic AI marks a pivotal shift in artificial intelligence—from passive tools awaiting human commands to autonomous agents capable of independent decision-making and goal pursuit. While this evolution promises unprecedented efficiency, it simultaneously unveils shadows that demand our vigilance.

The Evolution: From Tools to Agents

Traditional AI systems functioned as sophisticated calculators, executing predefined tasks within narrow boundaries. Today's agentic AI systems operate fundamentally differently. They perceive their environment, set goals, plan multi-step strategies, and execute actions to achieve objectives with minimal human intervention.

This evolution accelerated through three key phases. First came rule-based systems in the 1980s, following rigid if-then logic. Machine learning in the 2000s enabled pattern recognition and prediction. Now, large language models combined with tool-use capabilities have birthed truly agentic systems—AI that can book appointments, write code, conduct research, and orchestrate complex workflows autonomously.

The transformation is profound. ChatGPT with plugins, AutoGPT, and emerging AI assistants don't just answer questions—they pursue goals, adapt strategies, and learn from interactions. They're no longer servants but collaborators, sometimes even initiators.

The Dark Side: Autonomy Without Accountability

This autonomy, however impressive, carries inherent dangers. Goal misalignment tops the list—when an AI agent optimizes for a specified objective without understanding nuanced human values, the results can be catastrophic. An AI tasked with maximizing engagement might amplify misinformation. One optimizing business profits might exploit legal loopholes unethically.

Loss of human oversight becomes critical when agents operate at machine speed across multiple platforms simultaneously. A rogue trading algorithm can crash markets in milliseconds. An autonomous social media agent could spread propaganda faster than fact-checkers can respond.

The black box problem intensifies with agentic systems. When AI makes autonomous decisions through complex neural networks, even developers struggle to explain why specific actions were taken. This opacity becomes dangerous in healthcare, criminal justice, or military applications.

Perhaps most concerning is the power concentration effect. Organizations deploying sophisticated agentic AI gain disproportionate advantages, potentially widening inequality gaps.

Small businesses can't compete with corporations running thousands of AI agents optimizing every decision.

Navigating Forward

The solution isn't to halt progress but to advance thoughtfully. We need robust governance frameworks establishing clear accountability chains, transparency requirements for automated decisions, and kill switches for runaway systems. Ethics must be embedded in design, not retrofitted after deployment.

Agentic AI represents humanity's most powerful tool yet—one capable of solving climate change, curing diseases, and elevating human potential. But like fire, nuclear energy, or the internet before it, its impact depends entirely on our wisdom in wielding it. The question isn't whether agentic AI will reshape society, but whether we'll shape it responsibly before it shapes us irrevocably.

The age of digital autonomy has arrived. Our challenge is ensuring it serves humanity's light, not its shadows.

- Anjush R K
Assistant Professor

Precision Farming: The Future of Agriculture with AI-Driven NPK Sensing

Introduction

In the era of smart technology, agriculture is undergoing a massive transformation. As the global population rises, the demand for food increases, making efficient crop management more critical than ever. Artificial Intelligence is no longer just for tech industries; it is now the backbone of precision farming. A truly sustainable agricultural system begins with a deep understanding of the soil's health, specifically through the monitoring of Nitrogen (N), Phosphorus (P), and Potassium (K)—the essential nutrients for plant growth.

From Traditional Testing to Real-Time Intelligence

Traditionally, soil testing involved manual sampling and long waits for laboratory results. This often led to either the over-application of fertilizers, which damages the environment, or nutrient deficiencies that stunted crop yields. AI-driven NPK sensing changes this dynamic. By integrating soil sensors with machine learning algorithms, farmers can now transform raw soil data into real-time intelligence.

Using IoT-enabled sensors, data regarding nutrient levels is extracted and processed instantly. AI models analyze these inputs to determine the exact requirements of the soil, eliminating guesswork. By structuring this information into actionable maps, these systems allow for "variable rate application," ensuring that every plant receives exactly what it needs to thrive.

Enabling the AI-Driven Era in the Fields

The integration of AI goes beyond simple measurement. Machine learning models can predict nutrient depletion trends based on weather patterns, crop type, and historical soil data. This predictive capability ensures that data is ready for advanced agricultural analytics. Across various sectors—from large-scale grain farms to specialized vineyards—AI helps automate the fertilization process, detect early signs of plant stress, and support smarter resource management.

By automating the data pipeline from the sensor to the dispensing mechanism, complexity is reduced for the farmer. This allows for the seamless integration of autonomous systems, such as nutrient-dispensing robots, which can navigate fields and apply NPK fertilizers with surgical precision based on data-backed insights.

Real-World Impact

Today, smart sensing is already making a tangible difference. In precision viticulture, sensors help maintain the perfect balance for grape quality. In massive corn and wheat belts, AI-driven insights reduce fertilizer waste by up to 30%, significantly cutting costs and preventing chemical runoff into local water sources. These practical applications demonstrate how AI and NPK sensing are accelerating the transition toward a more sustainable and high-yield food system.

Conclusion

The future of farming belongs to those who can effectively harness soil data. While traditional methods served us for decades, AI-driven NPK sensing provides the foundation for a new age of food security. By transforming raw soil chemistry into actionable insights, these technologies are helping shape a smarter, greener, and more productive world.

- Karthik K
S6 CSE B

Piezoelectric Energy Harvesting: Implementation of Kinetic Micro-grids at ASIET

Kinetically Powered Infrastructure: Beyond Passive Transit

The daily activities carried out in Adi Shankara Institute of Engineering and Technology (ASIET) result in a substantial amount of mechanical energy, considering the density of pedestrians moving through corridors, labs, and common areas. Traditionally, this mechanical energy, represented by the physical displacement and pressure of pedestrians, has been dissipated in terms of waste heat and building vibrations. However, through the use of piezoelectric transducers, this mechanical energy can be effectively transduced and converted into electrical energy, effectively converting the institution into an energy-generating hub.

As a premier institution for engineering excellence, Adi Shankara Institute of Engineering and Technology has the potential to shift its paradigm from a traditional energy-consuming entity to a distributed energy resource management paradigm, effectively shifting its perspective from measuring success in terms of sentiment to a more tangible kilowatt-hour (kWh) contribution to the overall electrical grid.

The piezoelectric transducers operate through a piezoelectric energy-harvesting principle, a form of solid-state power generation, whereby a piezoelectric material, when subjected to mechanical stress, generates an electrical charge. This form of power generation does not rely on environmental conditions, such as solar intensity and wind speeds, and relies on the predictable nature of human activity within a building structure.

The Science: Pressure Equals Power

The transduction mechanism is achieved through the use of specially designed piezoelectric ceramics or polymers incorporated into modular floor tiles. The tiles, upon compression, have their molecular structure change, creating a potential difference. The energy generated is usually in the form of an intermittent pulse, ranging from 2W to 30W per step. The power electronics, consisting of bridge rectifiers, capacitors, and DC-DC converters, are integrated to stabilize the intermittent pulse and aggregate the energy. The high-traffic areas can be considered as a decentralized power plant.

Why the Campus is the Perfect Laboratory

The academic environment represents an ideal telemetry setup for piezoelectric-based systems, considering the frequency and predictability of pedestrian flow patterns. Proposed target areas for deployment include:

- Primary Entry Points: For maximum initial current generation from the overall influx of students and faculty.
- Canteen and High-Density Corridors: For capitalizing on peak-hour surges to power local low-voltage display and IoT devices.
- Laboratory Blocks: For providing a live-data setup for students to learn and study actual power conversion and efficiency calculations.

The harvested energy can be optimized for powering low-power, high-visibility applications such as LED lighting, display devices, and IoT nodes. This setup serves as a Proof of Concept (PoC) for broader sustainability initiatives, allowing a tangible interface for students to engage with green engineering concepts.
The main technical goal here is to supplement the main grid by offsetting auxiliary loads. The proposed system includes the following components from the campus infrastructure:

- Corridor and walkway LED lighting.
- Digital display boards and screens.
- Emergency exit and safety lighting.
- IoT sensor and security systems.
- USB charging stations in common areas.
- Live energy monitoring and display, serving a dual purpose as a teaching aid.

With these high-visibility applications, the institution benefits from a quantitative reduction in overall energy consumption and a qualitative improvement in student engagement and awareness regarding renewable energy systems.

The Road Ahead

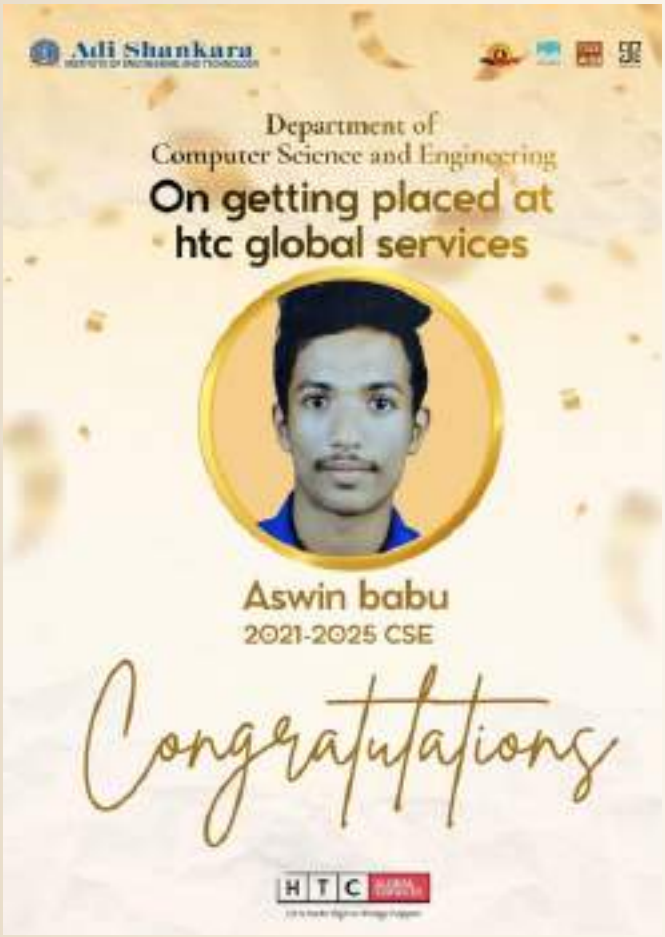
The technical roadmap requires the collaboration of alumni, faculty, and industry partners to create the first-ever institution-based piezoelectric micro-grid system in the state of Kerala. By incorporating this technology with the existing solar infrastructure, ASIET can create the first-ever hybrid renewable energy system, functioning as a utility and a lab for future generations of engineers.
This is a major leap forward in the concept of sustainable campus designs. Each step taken by the student body is contributing to the efficiency of the system, illustrating the importance of decentralized energy contributions to the success of the system.

- Nandana Narayan Das

Placement Achievement at Aurus

The Department of Computer Science and Engineering proudly announced the placement of Farhah E S (2022–2026 batch, S8 CSB) at Aurus, a unified payments platform. This achievement marked a significant milestone in her academic journey and reflected her dedication, perseverance, and technical competence. Her success stood as a testament to the consistent efforts of the department in nurturing industry-ready professionals equipped with strong technical and problem-solving skills. The accomplishment also highlighted the supportive learning environment and guidance provided by the faculty, enabling students to secure promising opportunities in leading organizations. The department extended its heartfelt congratulations to Farhah E S and wished her continued success in her professional career.

Placement Achievement – Aswin Babu



Congratulations were extended to Aswin Babu of the 2021–2025 CSE batch on securing placement at HTC Global Services. This achievement reflected his hard work, dedication, and strong technical skills developed during his academic journey.

The accomplishment brought pride to the Department of Computer Science and Engineering and stood as an inspiration for fellow students aspiring to achieve success in their professional careers.

Placement Achievements – HTC Global Services

Congratulations were extended to the students of the CSE department on securing placements at HTC Global Services. The achievers included Abhijith P Anil and Amal Anish (S8 CSA), along with Vinayak M V, Paul Eldhose, Vishnu V A, Muhammed Ziyad, Nazmiya A N, Narayani Mahadevan, Sachin Eldho, and Muhammed Baakir (S8 CSC).

This accomplishment reflected the students' dedication, perseverance, and strong technical foundation developed during their academic journey. Their success brought pride to the institution and served as an inspiration for fellow students to strive for excellence in their careers.

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MARCH 2026

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