Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

Sakshin

Monthly Newsletter of Dept. of CSE

2026 FEBRUARY

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.

Ashwamedha ’26: A Confluence of Innovation, Technology, and Entrepreneurship

The Ashwamedha ’26 programme was successfully conducted on 5 February 2026 at the Main Seminar Hall of Adi Shankara Institute of Engineering and Technology (ASIET). The event marked the official launch of the Ashwamedha initiative and brought together distinguished guests, faculty members, organizers, and students. The programme aimed to promote innovation, technological awareness, and entrepreneurial thinking among students.

The inauguration ceremony began at 9:30 AM with a welcome address by Mr. P. V. Rajaraman, Chief Technology Officer of ASIET. The presidential address was delivered by Dr. M. S. Murali, Principal of ASIET, who highlighted the importance of technological advancement and interdisciplinary collaboration in engineering education. The formal inauguration was carried out by the Chief Guest, G. Venkataraman, Executive Director of CyberGrid Solutions Pvt. Ltd., followed by the traditional lamp lighting ceremony symbolizing knowledge and learning. Felicitations were delivered by Sreepriya S, Dean – Research, and Meenakshy K, Director of Academics. The inaugural session concluded with the vote of thanks by Nidhin Raj A, Associate Professor at ASIET.

Following the inauguration, technical sessions were conducted to provide industry insights. Anoop K, Chief Information Security Officer at Cochin International Airport Limited (CIAL), delivered a session on technology and innovation, focusing on emerging technological trends and cybersecurity challenges. This was followed by an industry perspective session by G. Venkataraman, who discussed innovation and the evolving expectations of the technology sector.

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A conclave titled “Startup 360” was held from 11:00 AM to 12:15 PM, focusing on entrepreneurship, startup ecosystems, and opportunities for aspiring innovators, encouraging students to explore entrepreneurial pathways.

The Valedictory Ceremony was conducted at 2:00 PM. The session began with a welcome address by Mr. P. V. Rajaraman, followed by felicitations by Dr. M. S. Murali. The valedictory address was delivered by Jayaprakash P, Director of Technical Education, who emphasized the importance of innovation-driven education. The programme concluded with prize distribution and a vote of thanks by Aslam Muhammed Aji, Technical Head of Brahma and Ashwamedha.

Overall, Ashwamedha ’26 served as an engaging platform that brought together technology, innovation, and entrepreneurship, providing students with valuable exposure to industry perspectives and emerging technological trends.

Brahma ’26: A Grand Celebration of Technology, Culture, and Creativity

Brahma ’26, the techno-cultural festival of Adi Shankara Institute of Engineering and Technology (ASIET), Kalady, was held from 6 February to 8 February 2026, transforming the campus into a vibrant hub of technology, culture, innovation, and creativity. The three-day festival brought together students, faculty members, and distinguished guests through a variety of competitions, performances, exhibitions, and entertainment programmes conducted across multiple venues on campus.

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The festival commenced on 6 February 2026 with Thyagarajardhana, a classical music tribute to Saint Thyagaraja, held on the Main Stage from 10:00 AM to 12:00 PM. This was followed by the inauguration ceremony from 12:00 PM to 12:30 PM, which officially marked the beginning of Brahma '26. The ceremony was graced by Padma Bhushan Dr. Shobana Chandrakumar Pillai (Dr. Shobana), renowned Bharatanatyam dancer and actress, who attended as the Chief Guest and addressed the audience on the importance of preserving traditional art forms while encouraging youth to explore creativity and performing arts.

A significant highlight of the festival was the visit of the Honourable Governor of West Bengal, Dr. C. V. Ananda Bose, who inaugurated the Vande Virasat Yatra during Brahma '26 as part of the 150th anniversary celebrations of Vande Mataram. During the ceremony, sacred soil from Kalady, the birthplace of Adi Shankara, was ceremonially presented to the Governor by student representatives, symbolizing the cultural and spiritual heritage of the region. On this occasion, the Governor Excellence Awards were presented, where the Vande Mataram Award was conferred upon Dr. Shobana and writer Sangeetha Madhu, while the Vande Mataram Young Talent Award was presented to writer Sandhya Rajendran. The Governor also planted a sapling on campus symbolizing environmental responsibility and later visited the nearby Sringeri Mutt Temple, acknowledging the cultural significance of Kalady.

The first day featured several cultural programmes including Melam at the College Lobby from 12:30 PM to 2:30 PM, which filled the campus with rhythmic traditional percussion. The Ragam Classical Music Competition was conducted at the Main Seminar Hall from 12:00 PM to 3:00 PM, and the Mime Competition was held at the Auditorium from 2:00 PM to 4:00 PM. Evening programmes included Rangapooja from 5:00 PM to 5:15 PM, followed by the Official Function from 5:15 PM to 6:00 PM, and the visually engaging Theme Show from 6:00 PM to 9:30 PM. The Fun Zone at the MBA/MCA Block operated throughout the day from 9:00 AM to 4:00 PM, while the AI Lab hosted a 24-hour Hackathon beginning at 2:00 PM, organized by the AI–IoT Innovations team.

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The second day of the festival, 7 February 2026, featured a series of competitions and performances. The day began with a Kuchuppudy dance performance on the Main Stage from 9:00 AM to 11:00 AM, followed by Step n Synchro from 11:00 AM to 12:30 PM, a dance competition showcasing synchronized choreography and teamwork. The Voice of Brahma (Final) took place from 12:30 PM to 1:30 PM, followed by Band of Brahma from 1:30 PM to 6:00 PM, where student bands energized the audience with dynamic performances. The day concluded with Choreo Night from 6:00 PM to 10:00 PM, featuring creative choreography and vibrant stage presentations.Several competitions were conducted simultaneously across the campus including ASIET Talks – Short Film Competition at the Auditorium at 10:00 AM, followed by Bharatanatyam and Mohiniyattam competitions celebrating classical dance traditions. The Voice of Brahma Prelims was conducted at the Civil Seminar Hall from 9:00 AM onwards, while a Rap Battle at the Mini Stage at 3:00 PM added a contemporary musical element to the festival. The Fun Zone and various cultural competitions across classrooms and venues continued from 9:00 AM onwards, ensuring active participation.

The final day, 8 February 2026, began with a DJ War on the Main Stage from 9:00 AM to 11:00 AM, where participants showcased music mixing and performance skills. The RJ Hunt Competition was conducted at the Seminar Hall from 10:00 AM, providing aspiring radio jockeys an opportunity to demonstrate creativity and communication skills. A lively Spot Dance Event was held at the College Lobby from 1:00 PM onwards, where participants performed spontaneously to randomly selected music tracks. The Fun Zone continued from 9:00 AM to 4:00 PM, maintaining the festive atmosphere across the campus.

The festival concluded with the much-anticipated Pro Show on the Main Stage from 7:00 PM to 9:00 PM, featuring renowned singers K. S. Harisankar and Sayanora Philip. Their energetic performance and soulful renditions captivated the large gathering of students, faculty members, and visitors, creating an electrifying atmosphere and bringing Brahma '26 to a memorable close.

Overall, Brahma '26 successfully blended technology, culture, creativity, and entertainment while providing students with opportunities to showcase talent, explore innovation, and strengthen collaboration, making it a vibrant and memorable festival for the entire ASIET community.

ASIET Women Karate Team Clinched Overall Championship Title.

The Adi Shankara Institute of Engineering and Technology Women Karate Team proudly lifted the Women's Category Overall Champions Trophy at the APJ Abdul Kalam Technological University Inter College Karate Championship. The team delivered an outstanding performance throughout the competition, securing multiple victories that led to this remarkable achievement.

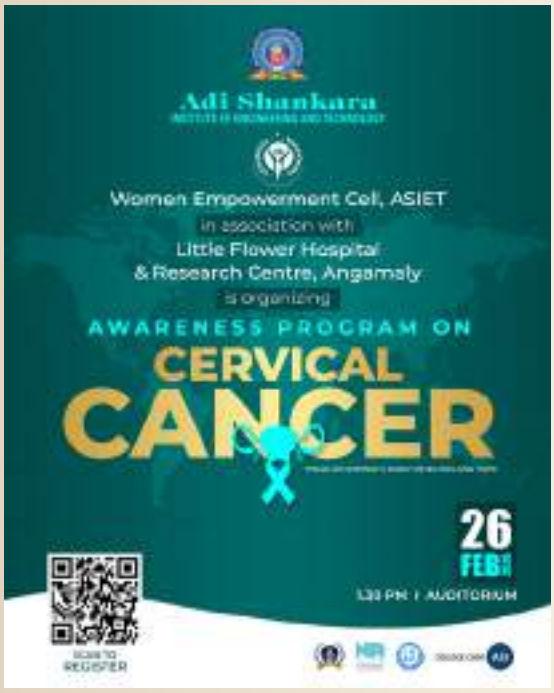
This accomplishment reflected the unity, strength, discipline, and relentless hard work of the team members. Their consistent efforts and determination in every match contributed to their success and brought great pride to the institution. The achievement stood as a testament to their dedication and sporting excellence.

Cervical Cancer Awareness Programme Conducted

The Women Empowerment Cell of Adi Shankara Institute of Engineering and Technology (ASIET) organized a Cervical Cancer Awareness Programme on 26 February 2026 at 1:30 PM in the college auditorium as part of the Women's Day celebrations. The programme was conducted in association with Little Flower Hospital and Research Centre, Angamaly, along with the support of WIMA, KIMS Health, and AOGS.

The session aimed to create awareness about cervical cancer, its causes, symptoms, prevention methods, and the importance of early detection. Medical experts shared valuable insights on the significance of regular screening, vaccination, and maintaining proper health practices to reduce the risk of the disease. The programme highlighted the need for spreading awareness among women and encouraging timely medical consultation.

The initiative successfully sensitized students and participants about the importance of prioritizing women's health and taking preventive measures. The session also emphasized that awareness and early screening play a crucial role in reducing the impact of cervical cancer and promoting a healthier society.



APJ Abdul Kalam Technological University College Union Election 2025–26

The College Union Election for the academic year 2025–26 was conducted at Adi Shankara Institute of Engineering and Technology on 20 February 2026 in accordance with the rules and regulations of APJ Abdul Kalam Technological University (KTU). The election aimed to ensure effective student representation and leadership within the institution. Following the election process, several students were elected to various positions in the college union.

Bashim Hadi (S6 CSB) was elected as the Chairperson, while Merinda Rose Shijan (S6 CE) was elected as the Vice Chairperson. Alan Baby (S6 RA) assumed the position of General Secretary, and Rohith Das (S4 AI) was elected as the Magazine Editor. The role of Arts Club Secretary was taken up by Aishmi Prakash (S6 CSE A). For the position of University Union Councillor, Mruthula S (S4 CSE AI) and Achuth K P (S2 ECE A) were elected. Aparna R Prabhu (S2 EBE) and Anamika Biju (S4 ECE A) were selected as Women Representatives. The Undergraduate Representatives included Devadas Manoj (S4 EC4), Anjana K B (S6 RA), Midhu N Raj R (S4 EBE), Sreelakshmi V Prabhu (S6 EEE), Fathima Neslin P N (S6 CSE), Jayalakshmi Jayakrishnan (S6 DS), Saromi P Sajeev (S2 ME), Archana R (S4 CE), and Anjali Dinesh (S6 AI).

For the Postgraduate Representatives, Pranav Rajeev (S2 MBA) and Joyal K Shajan (S2 MCA) were elected. The institution congratulated all the newly elected union members and expressed confidence in their ability to represent the student community and contribute actively to campus activities and student welfare.

PTA Executive Committee Meeting

The PTA Executive Committee meeting was held on Saturday, 21 February 2026, at 10:00 AM in the Main Seminar Hall of Adi Shankara Institute of Engineering and Technology. The session was attended by the Principal, members of the PTA Executive Committee.The meeting focused on reviewing academic progress, discussing institutional initiatives, and strengthening collaboration between parents and the college. Key matters related to student development, academic performance, and future plans were deliberated, reflecting the shared commitment to ensuring the overall growth and success of students.

Parent–Teacher Meeting for S2, S4, S6 and S8 CSE Students

The Parent–Teacher Meetings for the students of the Computer Science and Engineering (CSE) Department were conducted in multiple phases at Adi Shankara Institute of Engineering and Technology. The meeting for S4 and S6 students was held on 20 February 2026, followed by the meeting for S8 students on 26 February 2026 at 2:00 PM in the CSE Seminar Hall. Additionally, the PTA meeting for S2 Computer Science students was conducted on 6 March 2026 at 2:00 PM in the Auditorium.

These meetings brought together parents and faculty members to discuss the academic progress and overall development of the students. Faculty members shared detailed feedback regarding attendance, internal assessment marks, academic performance, project progress, and placement preparation, particularly for the final-year students. Parents actively participated in the discussions, seeking clarifications and sharing suggestions to better support their wards in their academic journey.

The interactions helped strengthen communication and collaboration between parents and the department, ensuring that students receive proper guidance and support throughout their academic programme. The meetings concluded with faculty members addressing individual concerns and encouraging continuous parental involvement in the students' learning process.

Faculty Contribution at SRISHTI 2026

Dr. Ramani Bai V, Professor and Head of the Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology, Kalady, served as a member of the Final Round Evaluation Panel for the Computer Science and Engineering stream at SRISHTI 2026, the 12th National Level Technical Project Exhibition and Competition organized by Saintgits College of Engineering, Kottayam.

The event was conducted on 23 and 24 February 2026 under the theme “Engineering Resilience: Designing for Uncertainty.” As part of the evaluation panel, Dr. Ramani Bai V actively participated in assessing innovative technical projects presented by students from various institutions across the country. Her expertise and commitment contributed significantly to the fair evaluation and encouragement of emerging technological ideas in the field of computer science and engineering.

In recognition of her valuable contribution and dedicated service during the event, Saintgits College of Engineering awarded her a certificate of appreciation. Her participation reflected the institution’s continued engagement with national academic and technical platforms, strengthening collaborations and promoting innovation among students and faculty.

Presentation at AICAPS–2026

Ms. Chinnu Maria Varghese and Dr. Sreedevi R Krishnan, Assistant Professors in the Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology, marked a significant academic milestone through their contribution to the 2nd International Conference on Advances in Intelligent Computing and Applications (AICAPS–2026). They co-authored and presented the research paper titled “Distance Perception in Vision-Language Models for Blind Navigation and Scene Interpretation” at the conference held at Cochin University of Science and Technology from 11th to 13th February 2026. The conference was technically co-sponsored by the IEEE Kerala Section.

The research focused on enhancing assistive technology for the visually impaired by leveraging vision-language models to improve distance perception and scene interpretation. Their work highlighted innovative approaches in intelligent computing with meaningful real-world applications.

The project was carried out with the active involvement of students Ben George, Charukesh Prasanth, Jaskaran Singh, and Karthik E. M., under their dedicated guidance. This achievement reflects the faculty members’ strong research commitment, academic leadership, and contribution to advancing impactful technological solutions.

Faculty Publication in IGI Global: Advancing Digital Pedagogy in Engineering Education

The faculty members of the Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology — Ms.Sharika T. R.,Ms.Akshaya Jayaraj, S. Ms.Anila,Ms. Parvathy Nair, Ms.Chinnu Maria Varghese, and Dr. Sanjuna K. R. — have published a scholarly book chapter titled “Empowering Educators for the Digital Age: A Faculty Development Framework for New Media Integration” in the IGI Global publication New Media Applications in Digital Education (2026).

The chapter addresses the rapidly evolving landscape of engineering education shaped by generative AI, immersive learning platforms, and emerging media technologies. Recognizing the urgent need for structured faculty preparedness, the authors propose a comprehensive and evidence-informed Faculty Development Framework grounded in pedagogy-first integration principles. The framework is organized into five progressive stages — Orientation, Exploration, Practice, Feedback, and Mentoring — each carefully designed to enhance digital fluency, foster instructional innovation, and promote ethical adoption of artificial intelligence in academic settings.






A significant strength of the chapter lies in its practical orientation. It incorporates tool-mapping strategies, evaluation rubrics, and structured implementation models to ensure adaptability and scalability across institutions. Beyond technical integration, the framework emphasizes cultivating a culture of continuous professional learning, collaboration, and academic integrity among educators.

The chapter concludes with actionable recommendations for institutionalization, policy alignment, and sustainable implementation of new media practices in engineering education. This publication highlights the department's strong research engagement and commitment to advancing digital transformation in higher education, positioning the institution at the forefront of innovative pedagogical development.

Faculty Participation in Atal FDP

Ms. Thara Reveendran, faculty member of the Department of Computer Science and Engineering, Adi Shankara Institute of Engineering and Technology, successfully completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on “Digital Application Fundamentals”, conducted in association with NASSCOM, from 26th January to 31st January 2026.

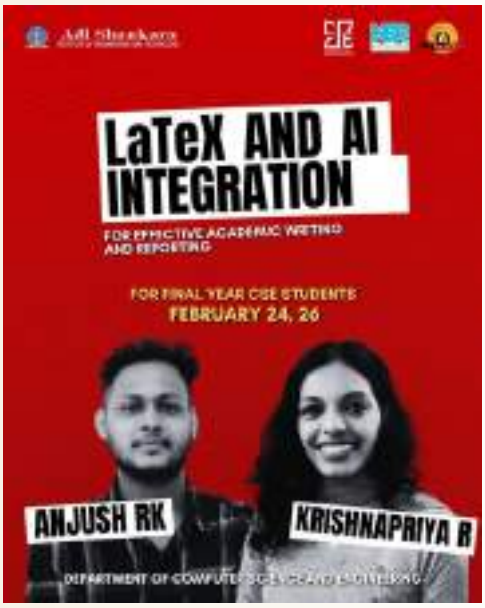
The program, organized under the aegis of the All India Council for Technical Education (AICTE), aimed at enhancing the digital competencies of educators by providing insights into fundamental concepts and emerging trends in digital applications. Through this FDP, participants gained valuable exposure to industry-relevant practices, strengthening their ability to integrate modern digital tools and methodologies into teaching and research.

Ms. Thara Reveendran’s successful participation reflects her commitment to continuous professional development and her dedication to enriching the academic environment with updated knowledge and skills.

LaTeX and AI Integration Workshop Conducted for Final Year CSE Students

The Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology organized a two-day workshop titled “LaTeX and AI Integration for Effective Academic Writing and Reporting” on February 24 and 26 for final year CSE students. The workshop was arranged with the objective of helping students improve their academic documentation skills and familiarize them with advanced tools used in research and technical report preparation.

The sessions were handled by Mr.Anjush RK and Ms.Krishnapriya R, Assistant Professors of the Department of Computer Science and Engineering.



During the workshop, the speakers introduced the participants to the fundamentals of LaTeX, highlighting its importance in creating well-structured research papers, project reports, and technical documents. They explained how LaTeX helps maintain consistent formatting, manage references effectively, and present complex mathematical expressions clearly.

The workshop also focused on the integration of **Artificial Intelligence tools with LaTeX to enhance the efficiency of academic writing. The resource persons demonstrated how AI-based tools can assist in drafting structured content, organizing citations, and improving the overall quality of documentation. Practical examples and demonstrations helped students understand how these technologies can be used together while preparing their final year project reports.

The two-day session provided valuable exposure to modern academic writing practices and tools. Students actively engaged in the discussions and gained practical insights into preparing professional research documents. The workshop concluded with an interactive session where participants clarified their queries and explored ways to effectively implement LaTeX and AI in their academic and research work.

Paper Presentation at AICAPS-2026

Ben George, Charukesh Prasanth, Jaskaran Singh, and Karthik E. M., under the guidance of Ms. Chinnu Maria Varghese, Assistant Professor in the Department of Computer Science and Engineering, presented a research paper titled "Distance Perception in Vision-Language Models for Blind Navigation and Scene Interpretation" at the 2nd International Conference on Advances in Intelligent Computing and Applications (AICAPS-2026). The conference was held at Cochin University of Science and Technology from 11th to 13th February 2026.

The presentation highlighted innovative research in assistive technology, focusing on enhancing navigation and scene interpretation for the visually impaired using vision-language models. The accomplishment reflected the team's dedication, research aptitude, and commitment to advancing intelligent computing solutions. Hearty congratulations were extended to the project team and their guide for this notable achievement.

IEEE IEEE Kerala Section

CERTIFICATE

THIS IS TO CERTIFY THAT

Chinnu Maria Varghese

Department of Computer Science and Engineering, ASIET, Kalady

has authored a paper entitled

Distance Perception in Vision-Language Models for Blind Navigation and Scene Interpretation

in the 2nd International Conference on Advances in Intelligent Computing and Applications (AICAPS-2026) technically co-sponsored by IEEE Kerala Section and organized by Department of Computer Applications, Cochin University of Science and Technology, Kochi, Kerala, India, during February 11 - 13, 2026

Dr. M. V. Judy, General Chair | Dr. Vinod P., TPC Chair | Dr. Vishnukumar S, Organizing Chair

Semester 8 CSE C Industrial Visit to DoctorAssist.AI, Bangalore

The students of Semester 8 (C), Department of Computer Science and Engineering, Adi Shankara Institute of Engineering and Technology, visited DoctorAssist.AI, Whitefield, Bangalore, from 21 January to 26 January 2026 as part of an industrial visit aimed at providing practical exposure to industry practices and emerging technologies.

During the interaction sessions, students gained insights into the application of Artificial Intelligence in healthcare, including AI-assisted diagnostic systems and data-driven medical solutions. Industry experts shared their experiences and explained startup workflows, technological integration, and innovation strategies.

The programme also included visits to important locations in Karnataka, adding educational and experiential value to the trip. The visit helped enhance the students' technical knowledge and professional awareness by connecting academic learning with real-world industry practices.

Industrial Visit by S8 CSA Students to Zephyr Technologies, Mangalore

As part of their academic curriculum and in pursuit of practical exposure to advanced technological practices, the S8 CSA students undertook an industrial visit to Zephyr Technologies, Mangalore, a reputed software company known for its innovative and industry-oriented solutions. The visit provided them with valuable insights into real-time software development processes, modern IT infrastructure, and the practical application of computer science concepts in a professional environment. During the visit, the students had an engaging interaction with the HR team, who conducted an informative session on the company's recruitment process, essential technical and soft skills, workplace expectations, career growth opportunities, resume building, and interview preparation. The experience enabled the students to understand project workflows and corporate culture, effectively bridging the gap between classroom learning and real-world industrial practices.

Semester 8 CSE B Industrial Visit to UST Global, Bengaluru

On 13 February 2026, the final-year B.Tech Computer Science students of the 2022–2026 CSE-B batch from Adi Shankara Institute of Engineering and Technology undertook an insightful industrial visit to UST Global in Bengaluru. The visit included 42 students and was guided by faculty members Dr. Sreedevi R Krishnan and Assistant Professor Jerin Varghese. During the visit, the students participated in engaging interactive sessions led by Vishnu Sivakumaran Pillai, who provided valuable insights into the company's global operations and emphasized the growing significance of emerging technologies such as Artificial Intelligence in driving digital transformation. The students were also given an opportunity to explore various departments within the organization, allowing them to observe the professional work environment, understand recruitment processes, and witness the practical implementation of concepts learned in the classroom. Overall, the visit served as a meaningful learning experience, effectively bridging the gap between academic knowledge and industry expectations, and inspiring students as they prepare to enter the professional world.

Industrial Visit of S4 CSE A Students

On 13 February 2026, the students of S4 CSE A visited V Code, Thodupuzha as part of an industrial visit aimed at providing practical exposure to industry practices in Full Stack Development, mobile application development, and deployment methodologies.

During the session, industry professionals explained the development lifecycle of web and mobile applications, including the integration of front-end technologies, back-end frameworks, and database systems. They also introduced students to real-time project workflows, commonly used development tools, and deployment processes such as hosting web applications and publishing mobile apps.

The students were accompanied by Ms. Divya K S and Ms. Akshaya Jayaraj, whose guidance ensured the smooth conduct of the visit. The industrial visit provided valuable industry insights and helped bridge the gap between academic learning and professional practices.

Successful Completion of NPTEL Winter Internship at IIT Ropar.

Vandana S., S6 CSE C, successfully completed the NPTEL Winter Internship at Indian Institute of Technology Ropar. The paid internship was undertaken under the guidance and supervision of Prof. Sudarshan Iyengar.

Her successful completion of the internship reflected her dedication, academic excellence, and commitment to enhancing her technical knowledge and research skills. The Department of Computer Science and Engineering congratulated her on this notable achievement and wished her continued success in her future endeavours.

PTA Academic Excellence Award 2024–2025: Academic Toppers Honoured

During the PTA Academic Excellence Award ceremony for the academic year 2024–2025 held at Adi Shankara Institute of Engineering and Technology, outstanding students from the Department of Computer Science and Engineering were recognised for securing the highest CGPA in their respective years.

In the Third Year, the toppers were Aneena Biju (CSE A – 9.02), Lakshmi Nandana (CSE B – 9.41), and Sona Deyo (CSE C – 9.91). The Second Year toppers included Ajana C U (9.86), Hima Paul (9.39), and Sanjana Elizabeth K V (9.65). In the First Year, the toppers were Amritha Rajesh (9.51), Malavika Rajan (9.37), and Niranjana K P (9.59).

The ceremony highlighted the consistent dedication, hard work, and academic excellence of CSE students and reflected the institution's commitment to nurturing scholastic achievement.

Outstanding Academic Achievement in S7 KTU B.Tech Examination.

The Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology recorded an exceptional performance in the S7 B.Tech Degree Examination conducted by APJ Abdul Kalam Technological University. The department achieved an impressive overall pass percentage of 95 percent, reflecting the consistent academic excellence and dedicated efforts of both students and faculty members.

A significant highlight of the results was that 55 percent of the students secured an SGPA above 8.0, demonstrating strong academic commitment and consistent performance across the batch. A large number of students achieved SGPAs in the range of 8.0 and above, with several securing notably high scores, which reflected their subject mastery, disciplined preparation, and perseverance. The outstanding results were a clear indication of the systematic academic guidance, continuous evaluation practices, and effective mentoring provided by the department. This remarkable accomplishment underscored the department's sustained commitment to maintaining high academic standards and fostering a culture of excellence. The achievement brought great pride to the institution and further strengthened its reputation for nurturing competent, skilled, and high-performing engineering graduates ready to excel in their professional pursuits.

ACHIEVEMENTS

FEBRUARY 2026

IEDC ASIET Executive Committee 2026–27 Announced

The Innovation and Entrepreneurship Development Centre (IEDC) of Adi Shankara Institute of Engineering and Technology (ASIET) proudly announced its Executive Committee for the academic year 2026–27. The newly elected team brings together a dynamic group of faculty coordinators and student leaders committed to strengthening the institution's culture of innovation and entrepreneurship.

The committee is guided by the Nodal Officers, Dr. Eldose K K and Dr. Sneha Prakash, who will provide strategic direction and mentorship. Abin Joy assumes the role of IEDC Lead, supported by Devananda Anil as IEDC Co-Lead. The leadership team further includes Nandana Silju as Community Lead, V S Yadukrishnan as Technical Lead, G S Adhi Narayanan as Branding and Marketing Lead, Afiya Fathima as Operations Lead, Harikrishnan S S as Creative and Innovation Lead, Pavithra Deepu E as Women Entrepreneurship Lead, Ram Kiran Mohan as Event Lead and PR Coordinator, and Nithin Raj AB as Finance Lead.

With a shared vision to nurture creative thinking and entrepreneurial spirit among students, the new Executive Committee aims to organize impactful programs, foster industry connections, and create meaningful opportunities for aspiring innovators. Their leadership marks the beginning of a promising year dedicated to transforming ideas into sustainable solutions and carrying forward the legacy of excellence at IEDC ASIET.

IoT Fundamentals Session Conducted at Government Polytechnic College, Perumbavoor.

The ASIET ACM Student Chapter organized an engaging session on IoT Fundamentals at Government Polytechnic College, Perumbavoor for second-year Computer Engineering students. The session aimed to introduce students to the rapidly evolving field of the Internet of Things and its growing significance in today's technology-driven world.

The session covered the basic concepts of IoT, including its components, architecture layers, and various real-world applications. Students were also introduced to innovative IoT project ideas and the practical relevance of IoT technologies in modern industries. As part of the programme, a hands-on session was conducted on ESP32 IoT coding using the Wokwi simulator, which enabled students to gain practical exposure to code implementation and simulation-based learning.

The session was conducted by S6 CSE C students Muhammed Nihal P A, Rishika H Das, Sanjana Elizabeth K V, Sana Fathima Salim, Vanabalamurugan, and Sidharth Santhosh. In recognition of their efforts, the hosts were honored with certificates by the Head of the Department, Department of Computer Engineering, Government Polytechnic College, Perumbavoor.

Special appreciation was extended to the student coordinators Nobin Civi and Thobiyas M Babu for their effective planning and coordination, which contributed to the successful organization of the outreach programme.

Vibe Code: Unleash the Vibe, Master the Code.

The Google Developer Group on Campus at Adi Shankara Institute of Engineering and Technology, in collaboration with the Institution's Innovation Council and IEDC ASIET, conducted "Vibe Code," an immersive coding session aimed at fostering creativity and technical excellence among students. The programme was held on 27 February at the CCF Lab and witnessed enthusiastic participation, with registrations limited to 50 slots to ensure an engaging hands-on experience.

The session was led by Brian Roy Mathew, Project Activities Lead, along with Govindan S., Organiser, who guided participants through interactive coding activities and innovative problem-solving exercises. Designed to encourage students to unleash their creativity while mastering core coding concepts, the event provided a collaborative environment for learning, experimentation, and skill enhancement.

"Vibe Code" successfully blended innovation with practical learning, motivating participants to strengthen their technical foundations and approach coding with confidence and creativity.

Empowering Women Through Innovation: Tink-Her-Hack 4.0

TinkerHub's Tink-Her-Hack 4.0 was successfully conducted at the CCF Lab in collaboration with IEDC at Adi Shankara Institute of Engineering and Technology. The women-only, beginner-friendly overnight hackathon brought together around 90 enthusiastic participants who engaged in a 15-hour coding and innovation sprint from 6:00 PM on 20 February to 9:00 AM on 21 February.

Designed to create a safe and supportive space for women to explore technology, the event encouraged participants to collaborate in teams of one or two members and build practical, real-world projects. With free registration, along with dinner and refreshments provided, the hackathon ensured a comfortable and inclusive environment for all attendees.

The night witnessed active participation, innovative ideas, strong teamwork, and seamless coordination throughout the sessions. Tink-Her-Hack 4.0 once again demonstrated the vibrant spirit of women in technology at ASIET, reinforcing the institution's commitment to fostering diversity, innovation, and collaborative learning.

WebCraft: A Web Development Challenge at Brahma ’26

The Computer Society of India (CSI) student chapter of Adi Shankara Institute of Engineering and Technology, Kalady, organized WebCraft, an engaging web development competition as part of the techno-cultural fest Brahma ’26. The event was conducted on 7 February 2026 and attracted enthusiastic participation from students interested in web technologies and creative digital design.

WebCraft challenged participants to demonstrate their skills in front-end web development using technologies such as HTML, CSS, and JavaScript. Working in teams, participants were tasked with designing and developing functional and visually appealing web pages within a limited time frame. The competition encouraged innovation, problem-solving, and effective collaboration among the teams.

The event was conducted in a lively and competitive atmosphere, with participants showcasing their creativity and technical knowledge. Faculty members and event coordinators evaluated the submissions based on design, functionality, and overall implementation. The winning team was awarded a prize from the total prize pool of ₹3,000. WebCraft served as a valuable platform for students to apply their web development skills in a practical setting while gaining exposure to real-world problem solving and teamwork.

Valentine's Day Creative Coding Challenge – Learn Turtle with Love.

On the occasion of Valentine's Day, the Coders Club organized a creative coding competition titled "Learn Turtle with Love," where participants celebrated the spirit of the day through programming instead of traditional gifts. Inspired by the playful line, "Roses were red, violets were blue, import turtle and a heart was drawn for you," students transformed simple Python Turtle commands into beautiful digital artwork.

The competition encouraged learners to explore the artistic side of coding by using Turtle graphics as their creative canvas. Participants designed heart shapes, patterns, and animated illustrations entirely through code, blending logic with imagination. The event highlighted how programming can go beyond problem-solving and become a medium of self-expression.

With enthusiastic participation and innovative submissions, the initiative successfully combined technology and creativity, making Valentine's Day a celebration of both love and learning.

Algo–Unplugged: Code Beyond the Screen.

The Coders Club of Adi Shankara Institute of Engineering and Technology, in association with µLearn, conducted "Algo–Unplugged" on 23 January 2026 at the CSE Seminar Hall. The session was designed exclusively for first-year CSE students with the objective of strengthening their understanding of fundamental algorithmic concepts through interactive and activity-based learning methods.

The programme transformed abstract programming ideas into engaging physical activities, enabling students to explore core concepts such as logical sequencing, problem-solving, and structured thinking without the use of computers. Through collaborative exercises and practical demonstrations, participants experienced how algorithms function in real-world scenarios, making the learning process both dynamic and meaningful.

The session successfully introduced students to computational thinking in an accessible manner, helping them build a strong foundation for future coding subjects. It served as an effective initiative to encourage analytical thinking and active participation among budding programmers.

LaTeX and AI Integration Workshop Conducted for Pre-Final Year Students

The Department of Computer Science and Engineering at Adi Shankara Institute of Engineering and Technology organized a workshop titled "LaTeX and AI Integration for Effective Academic Writing and Reporting" on February 28 for pre-final year students. The program was conducted by the Coders Club, in association with the Association for Computing Machinery (ACM) student chapter, with the objective of enhancing students' academic writing abilities and familiarizing them with modern documentation tools used in research and technical reporting.

The session was handled by Anjush RK and Krishnapriya R, Assistant Professors from the CSE Department. The speakers introduced students to the fundamentals of LaTeX, emphasizing its importance in preparing well-structured technical documents, research papers, and project reports. They explained how LaTeX helps in maintaining consistent formatting, managing citations efficiently, and presenting complex mathematical expressions with clarity.

The workshop also highlighted the role of **Artificial Intelligence in supporting academic writing. The resource persons demonstrated how AI-based tools can be integrated with LaTeX to assist in drafting content, organizing references, and improving the overall efficiency of documentation. Through examples and demonstrations, students gained insights into how these technologies can simplify the process of writing professional academic reports.

The session provided valuable exposure to modern academic writing practices and encouraged students to adopt efficient tools for their project documentation and research work. The workshop concluded with an interactive discussion session, where participants actively engaged with the speakers and clarified their queries regarding the practical use of LaTeX and AI in academic and research contexts.

Karma Leaderboard of the Week – 13 February 2026

The Karma Leaderboard for the week of 13 February 2026 highlighted the outstanding performance and consistent engagement of learners on the µLearn ASI platform. The rankings reflected both steady participation and determined efforts throughout the week, proving that active involvement continued to shape the leaderboard positions.

Afiya Fathima secured the first position with an impressive 14,153 karma points, setting the benchmark for the week. The remaining top contributors who featured on the leaderboard were Mathew Joseph T A, Sanjay S, Snehamol K M, Meenu K S, Lakshmipriya K S, Nesrin K Mohammed, Muhammed Afreen, Parvathy Unnikrishnan, and Harijith Asokan.

The leaderboard once again demonstrated that consistent effort and active participation played a crucial role in achieving recognition. The week concluded with strong performances, leaving the competition open and dynamic for the upcoming leaderboard cycle.

µLearn ASIET AGM 2026: MoU Signing and Website Launch.

The Annual General Meeting (AGM) 2026 of µLearn ASIET was held on 25 February 2026 at 9:00 AM in the Robotics Seminar Hall at Adi Shankara Institute of Engineering and Technology. The meeting marked an important occasion for the µLearn community as it reflected on its journey and celebrated key milestones achieved during the year.

One of the major highlights of the programme was the signing of a Memorandum of Understanding (MoU), aimed at strengthening industry connections and creating new opportunities for students in the fields of technology, innovation, and collaborative learning. This initiative demonstrated the community's commitment to building meaningful partnerships that support student development and exposure to industry practices.

The AGM also witnessed the official launch of the µLearn ASIET website, marking a significant step toward establishing a stronger digital presence. The website was introduced as a platform to share updates, showcase activities, and provide learning resources while enhancing communication within the µLearn ecosystem.

The event concluded with a reflection on the achievements of the µLearn community and a forward-looking vision toward future initiatives that would continue to encourage learning, collaboration, and innovation among students.

Basics of Figma – Session 1.

The µLearn ASIET community organized “Basics of Figma – Session 1” as an introductory workshop aimed at guiding students into the world of UI/UX design. The session was conducted on 18 February 2026 at 7 PM via Google Meet and marked the beginning of a structured learning journey in interface design. Designed as a hands-on introduction, the session focused on familiarizing participants with the Figma platform, its core tools, and essential design principles. Attendees were introduced to workspace navigation, frame creation, components, and basic prototyping features, enabling them to understand how design concepts translate into practical digital interfaces.

The session was led by Gautham Krishna, Creative Lead of µLearn ASIET, and Mathew Joseph T A, Campus Lead of µLearn ASIET. Their guidance and practical demonstrations provided participants with clear insights into UI/UX fundamentals and encouraged them to explore design thinking with confidence. The initiative reflected µLearn ASIET’s continued effort to promote skill development and industry-relevant competencies among students.

Basics of Git & GitHub – Session 2 Conducted.

The second session of “Basics of Git & GitHub” was successfully conducted on 19 February 2026 at 9:00 PM via Google Meet for students of Adi Shankara Institute of Engineering and Technology. Organised as part of the µLearn 2.0 initiative, the session aimed to provide participants with a practical understanding of version control and collaborative development practices.
The session was led by Krishnanunni H Pillai, Software Engineer Intern at Torcue Digital. He introduced the fundamentals of Git, including repository management, branching, committing changes, and resolving conflicts, along with an overview of how GitHub facilitates collaborative coding and project management.
Through clear explanations and practical demonstrations, participants gained valuable insights into managing code efficiently and working effectively in team-based development environments. The session strengthened students’ technical foundations and encouraged them to adopt industry-relevant tools in their academic and project work.

Basics of Web Development – Session 3

The third session of the “Basics of Web Development” series was conducted on 22 February 2026 at 9 PM via Google Meet. The session focused on introducing participants to the core fundamentals of web development and provided a clear understanding of how websites are built, structured, and styled.

The session was led by R B Ravish, Tech Team Lead of µLearn ASIET. He guided attendees through the foundational concepts of web development, explaining how different components such as structure and styling work together to create functional and visually appealing websites. Participants were introduced to the basic building blocks of web technologies and gained insights into how front-end elements are organized and rendered in a browser.

The session also emphasized the importance of understanding the relationship between structure and design, helping learners build a strong base before moving on to advanced topics. Through clear explanations and practical insights, the session ensured that beginners could grasp essential concepts with confidence.

Overall, Session 3 served as a valuable step forward for participants who aimed to strengthen their understanding of web development fundamentals and continue their learning journey in the field.

Basics of Web Development – Session 4

The fourth session of the “Basics of App Development” series was successfully conducted on 23 February 2026 at 7:00 PM via Google Meet for students of Adi Shankara Institute of Engineering and Technology as part of the µLearn 2.0 initiative. The session aimed to introduce participants to the core concepts and workflow involved in building modern applications.

The session was led by Nandhu Krishnan A, AI Engineer at Laennec AI, who provided valuable insights into the fundamentals of app development, including architecture, development tools, and real-world implementation practices. Through practical explanations and industry-oriented guidance, students gained a clearer understanding of how applications are designed, developed, and deployed.

The interactive session encouraged participants to explore app development further and strengthened their foundational knowledge in building scalable and efficient applications.

µLearn ASIET Awarded Campus Chaptership.

µLearn ASIET was awarded the Campus Chaptership of µLearn, marking a significant milestone for the student community of Adi Shankara Institute of Engineering and Technology. This achievement reflected the consistent efforts, collaboration, and dedication of students who actively engaged in learning initiatives and community-driven activities under the µLearn platform.

The recognition symbolized the transition from participation to leadership, as the team demonstrated initiative, innovation, and a commitment to building meaningful learning experiences. Through workshops, peer learning sessions, and collaborative projects, the community steadily strengthened its presence and impact on campus.

Being granted the chaptership opened new opportunities for structured growth, knowledge sharing, and contribution to the broader µLearn ecosystem. It stood as a testament to the passion and collective effort of the students who worked together to create a culture centered on curiosity, skill development, and collaboration.

This milestone marked not just an accomplishment, but the beginning of a new phase focused on expanding opportunities and fostering a stronger, more impactful student tech community.

Git and GitHub Hands-on Workshop Conducted for MCA Students.

The Department of Computer Applications at Adi Shankara Institute of Engineering and Technology successfully conducted a Git and GitHub Hands-on Workshop for the 2025–2027 batch MCA students on 23 February 2026 from 10:00 AM to 4:00 PM at the AP Lab, PG Block. The workshop was organised to equip students with essential version control skills and practical knowledge required for collaborative software development.

The session was led by Ms. Sharika T R, Assistant Professor and Lead Enabler of µLearn at ASIET, along with resource persons Krishnanunni H Pillai, Software Engineer Intern at Torcue Digital, and R B Ravish, Tech Lead at µLearn ASIET. The workshop provided a comprehensive introduction to Git fundamentals, repository management, branching strategies, and collaborative workflows using GitHub.

Through interactive demonstrations and practical exercises, students gained hands-on experience in managing code efficiently, tracking changes, and contributing to shared projects. The workshop strengthened their technical foundation and prepared them for industry-oriented development practices.

Launch of MuSpace at ASIET.

The µLearn community at Adi Shankara Institute of Engineering and Technology marked a major milestone with the official launch of MuSpace, a dedicated collaborative space created to inspire innovation, creativity, and community-driven learning among students. The initiative brought to life a long-envisioned goal of establishing an environment where learners could connect, share ideas, and transform concepts into impactful projects.

MuSpace was introduced as a versatile platform that encourages students to experiment with new technologies, develop essential skills, and explore opportunities in innovation and leadership. Designed as a hub for aspiring makers, developers, and innovators, the space supports teamwork, practical learning, and the exchange of knowledge across disciplines.

The successful launch of MuSpace was the result of continuous effort and commitment from the µLearn team, whose dedicated planning and preparation ensured the creation of an empowering and resourceful environment. With this new space, the µLearn community at ASIET begins an exciting new chapter focused on fostering collaboration, nurturing creativity, and enabling students to bring their ideas to life.

µLearn ASIET Chapter Team.

Enablers

The mentors behind the movement, providing the support and wisdom needed to fuel the growth of µLearn ASIET.

Core Team

Steering the ship, making the tough calls, and turning the collective goals of µLearn ASIET into reality

Creative Team

Where the µLearn ASIET vision meets artistic expression—painting the future of our campus.

Content & Documentation Team

The storytellers of our journey, documenting the evolution and impact of µLearn ASIET for the history books.

Media Team

From the lens to the screen, we bring the energy of µLearn ASIET to life.

Tech Team

Building the systems and coding the future for the next generation of µLearn ASIET innovators.

Mu-Learn Corner

FEBRUARY 2026

Outreach Team

Taking the impact of µLearn ASIET beyond the campus and into the global ecosystem.

Comm. Team

Bridging the gap between ideas and people to keep the µLearn mission loud and clear.

IG Leads

Curating µLearn ASIET communities where every niche interest becomes a professional skill

Design Team

Giving µLearn ASIET a visual pulse —where pixels meet purpose and design meets discipline.

Enablers
- Sharika T R
- Anila S
- Naznin M Ali

Core Team
- Mathew Joseph T A
- Afiya Fathima
- Snehomol K M

Content and Documentation Team
- Anamika Umesh
- Muhammed Afreen
- Lakshmi Priya K S
- Aleena George

Creative Team
- Gautham Krishna
- Devika G A
- Amalendu S
- Fathima Neslin P N

Media Team
- Kishan Karthik
- Anjali Krishna M
- Jerin George
- Ram Madhav

Technical Team
- R B Ravish
- Sreeramachandran
- Nahana Fathima
- Meenu K S

Outreach Team
- Asher Antony Louis
- Aisha Fathihah
- Devika Shankar D

Communication Team
- Harijith Asokan
- Abhishek Prabhakaran
- Aswathy Prasad
- Malavika Rajan
- Anna Joy
- Joseph Sijo

IG Leads
- Kamal Krishna
- Aaryatha P R
- Mathew Joseph T A
- Daniel Joshy
- Sreeramachandran

Design Team
- Sreenivasa Bhakthan
- Noel Sabu
- Joyal Alias
- Abhinav Raj

Mu-Learn Corner

FEBRUARY 2026

The µLearn chapter at Adi Shankara Institute of Engineering and Technology (ASIET) functioned through the dedicated efforts of a well-structured team that worked collectively to foster a culture of learning, collaboration, and innovation among students. The initiative was guided by Sharika T. R, who served as the Faculty Enabler and provided consistent mentorship and support to the student community. The chapter leadership was headed by Mathew Joseph T. A as the Lead, with Afiya Fathima serving as the Campus Co-Lead. Their leadership was further supported by Snehomol K. M, who contributed as a Mentor by guiding students and encouraging their active participation in various µLearn initiatives.

The learning ecosystem of the chapter was strengthened through multiple Interest Groups (IGs) led by passionate student leaders who promoted domain-specific learning. Kamal Krishna served as the Game Development Lead, Aryatha P. R led the Artificial Intelligence domain, and Mathew Joseph T. A also contributed as the Web Development Lead. Daniel Joshy guided the UI/UX domain, while Sreeramachandran served as the Cybersecurity Lead. Through their leadership, students were encouraged to explore emerging technologies, develop technical skills, and actively engage in collaborative learning opportunities.

Several supporting teams also played a vital role in the functioning of the chapter. The Design Team, led by Sreenivasa Bhakthan and Noel Sabu, was responsible for shaping the visual identity of the community and creating design materials for events and initiatives, with support from members Joyal Alias and Abhinav Raj. The Technical Team, led by R. B. Ravish with Sreeramachandran as Co-Lead, handled the technical coordination and implementation required for different activities, with contributions from members Nahana Fathima and Meenu K. S. The Content and Documentation Team ensured that the activities and achievements of the chapter were properly recorded and communicated. This team was led by Anamika Umesh, with Muhammed Afreen serving as Co-Lead and members Lakshmi Priya K. S and Aleena George contributing to writing, editing, and compiling content related to the chapter's initiatives.

Through the coordinated efforts of these teams, the µLearn ASIET Chapter successfully built an active student-driven learning environment that encouraged innovation, knowledge sharing, and continuous skill development across the campus community.

Aparna Prasad Received Kerala State NSS Award 2023–24.

Aparna Prasad was honoured with the Kerala State NSS Award 2023–24 after being adjudged the Best NSS Volunteer in the state. The award was presented by Dr. R. Bindu, Higher Education Minister of Kerala, in recognition of her exceptional service and leadership in National Service Scheme activities.

She was selected from among nearly 3,50,000 NSS volunteers across the state, marking a highly significant and prestigious achievement. This recognition represented the third occasion on which an NSS volunteer from Adi Shankara Institute of Engineering and Technology received the Kerala State NSS Award, reflecting the sustained excellence and active commitment of the institution's NSS unit.

The accomplishment stood as a proud milestone for the entire institution, highlighting its consistent dedication to community service, social responsibility, and the holistic development of students.

NSS Volunteers Extended Support for Health Camp at Perumbavoor




The NSS volunteers extended their dedicated support to the District Administration, Health Department, and Kerala State AIDS Control Society in organizing a health camp at Perumbavoor. The initiative aimed to promote public health awareness and ensure community participation in preventive healthcare activities.As part of the programme, the volunteers actively assisted in coordinating the camp and managing various activities. They also performed awareness-based cultural programmes to educate the public on important health issues, thereby contributing meaningfully to the success of the event. Their enthusiastic involvement reflected their commitment to social responsibility and community service.

NSS Volunteers Completed Survey at Ayyampuzha Panchayat

The NSS volunteers successfully completed 400 surveys at Ayyampuzha as part of a data collection initiative for the National Transportation Planning and Research Centre (NATPAC). The survey was conducted to gather relevant information to support transportation planning and research activities in the region.

The volunteers carried out the fieldwork with dedication and responsibility, interacting with residents and ensuring accurate data collection. Their coordinated efforts contributed significantly to the smooth completion of the survey process and reflected their active involvement in community-oriented development initiatives.

Fire and Safety Awareness Session Conducted by NSS Units 228 and 303

The National Service Scheme (NSS) Units 228 and 303 successfully conducted a Fire and Safety Awareness Session under the guidance of the Angamaly Fire and Rescue Officer and team. The session aimed to create awareness about fire safety measures, effective emergency response techniques, and overall disaster preparedness.

During the session, the Fire and Rescue team provided practical insights into handling fire-related emergencies. Students were introduced to essential safety protocols, the correct use of fire extinguishers, and immediate response strategies to minimize risks during fire incidents. The officers also highlighted the importance of remaining calm, alert, and coordinated during emergencies to ensure the safety of individuals and the community.

The interactive nature of the session enabled participants to better understand real-life emergency scenarios and the appropriate steps to be taken in critical situations. The initiative served as an important step in equipping students with the knowledge and confidence required to respond effectively to fire hazards and other emergencies.

Attendance

- Anagha P Anil – CSE A, S4
- Amrutha Vijayan – CSE A, S4
- Abdulla Mather – CSE A, S4
- Abhinav Sai – CSE A, S4
- Adithyan C Sunil – CSE A, S4
- Edwin Titto – CSE B, S4
- Karthik K – CSE B, S6
- Catherine Nixon – CSE B, S6
- Nandhana S Nair – CSE C, S6

Data-Driven Future with KNIME & Alteryx

Introduction

In today's digital world, every click, transaction, and interaction generates data. Organizations rely on this data to understand trends, improve performance, and make informed decisions. Artificial Intelligence may be transforming industries, but it cannot function without structured and reliable data. A truly intelligent system begins with strong data foundations.

Turning Raw Data into Intelligence

Raw data on its own has little value. It must be cleaned, organized, and transformed before it can drive meaningful insights. This is where KNIME and Alteryx become essential. Through visual workflows and automation, these platforms simplify complex data processes such as extraction, transformation, integration, and analysis.
They allow users to connect multiple data sources, eliminate inconsistencies, apply logical rules, and structure information efficiently. By reducing manual effort and improving accuracy, these tools streamline the entire analytics pipeline.
By preparing high-quality datasets and supporting machine learning capabilities, they enable businesses to move from information to intelligence-turning scattered data into clear, actionable outcomes that support strategic decision-making.

Enabling the AI-Driven Era

AI systems depend on accurate inputs to generate meaningful outputs. Tools like KNIME and Alteryx ensure that data is ready for predictive modeling and advanced analytics. Across industries such as healthcare, finance, and manufacturing, they help automate processes, detect patterns, and support smarter decision-making.
They also enable seamless integration of machine learning models into structured workflows. By automating data pipelines, these platforms reduce complexity and improve efficiency. This allows organizations to confidently adopt AI solutions and drive innovation with reliable, data-backed insights.

Real-World Impact

Today, organizations use KNIME and Alteryx to automate reporting, improve operational efficiency, and generate predictive insights. In healthcare, analytics supports better patient monitoring. In finance, it helps detect risks and fraud. In manufacturing, it enhances performance through real-time data analysis. These practical applications demonstrate how data analytics tools accelerate the transition toward AI-driven systems.

Conclusion

The future belongs to organizations that can effectively harness data. While AI represents innovation, analytics tools like KNIME and Alteryx provide the foundation that makes intelligent systems possible. By transforming raw data into actionable insights, they are helping shape a smarter, data-driven world.

-Aleena Jameson
2022-26 Batch
CSE A

Smart Systems and Edge AI: The Next Wave of Innovation

Introduction

The rapid evolution of computing technologies has transformed the way systems interact with the physical world. Among the most significant advancements in recent years is the emergence of Smart Systems powered by Edge Artificial Intelligence (Edge AI). As a Computer Science graduate, witnessing this transition from centralized cloud computing to intelligent edge-driven architectures has been both inspiring and professionally transformative. Smart systems integrated with Edge AI are redefining efficiency, responsiveness, and real-time decision-making across industries.

This blog reflects on my journey into this domain and highlights why Edge AI represents the next wave of innovation for aspiring computer science professionals.

Understanding Smart Systems and Edge AI

Smart systems refer to interconnected devices capable of sensing, processing, and acting upon data autonomously. Traditionally, these systems relied heavily on cloud servers for computation. However, with the exponential growth of Internet of Things (IoT) devices and the need for real-time analytics, latency and bandwidth limitations became critical challenges.

Edge AI addresses these issues by enabling data processing directly on local devices—closer to the data source—rather than transmitting all data to centralized cloud servers. By integrating machine learning models into edge devices such as sensors, cameras, and embedded systems, intelligent decisions can be made instantly, securely, and efficiently.

My Journey into Edge AI

During my undergraduate studies in Computer Science, foundational subjects such as Data Structures, Algorithms, Embedded Systems, and Machine Learning laid the groundwork for understanding distributed intelligence. However, it was through hands-on projects and industry exposure that I realized the true potential of edge computing.

Working on projects involving smart surveillance systems and real-time monitoring applications helped me understand the importance of low-latency processing. Deploying lightweight neural networks on edge devices required optimizing models, balancing computational constraints, and ensuring energy efficiency—skills that extend beyond theoretical knowledge.

This domain demands a multidisciplinary approach, combining software engineering, hardware awareness, networking concepts, and AI expertise. Continuous learning, experimentation with frameworks, and understanding deployment pipelines became crucial to professional growth.

Industry Applications and Impact

Smart systems powered by Edge AI are rapidly transforming multiple sectors:

Healthcare: Real-time patient monitoring through wearable devices.

Smart Cities: Intelligent traffic management and waste monitoring systems.

Manufacturing: Predictive maintenance using sensor-driven analytics.

Agriculture: Precision farming through smart environmental sensing.

Security: Automated anomaly detection in surveillance systems.

The shift towards decentralized intelligence enhances data privacy, reduces operational costs, and improves system resilience. Organizations increasingly seek professionals who can design scalable, secure, and efficient edge architectures.

Skills Required for Aspiring Professionals

For current students aspiring to enter this field, the following competencies are essential:

- Strong foundation in Machine Learning and Deep Learning
- Knowledge of Embedded Systems and IoT
- Understanding of Cloud and Distributed Computing
- Proficiency in Python and relevant AI frameworks

Equally important is the mindset to adapt. Technology evolves rapidly, and staying relevant requires curiosity, experimentation, and continuous upskilling.

Conclusion

Smart Systems and Edge AI represent a paradigm shift in computing—moving intelligence closer to where data is generated. As industries increasingly demand real-time, efficient, and secure solutions, Edge AI stands at the forefront of technological innovation.

My journey from classroom learning to practical implementation in this emerging domain has reinforced one key lesson: foundational knowledge combined with adaptability unlocks future opportunities. For today's Computer Science students, embracing Smart Systems and Edge AI is not merely a career option—it is an opportunity to contribute to the next generation of intelligent, connected technologies.

The future of innovation is not just in the cloud; it is at the edge.

- Sanjay Gireesan
  2020-24 Batch
  CSE B

Placement Achievement Announcement.

The Department of Training and Placement at Adi Shankara Institute of Engineering and Technology proudly announced the placement of two students from the 2022–26 B.Tech batch at Cygnonex Innovations Pvt Ltd. This achievement marked a significant milestone in their academic journey and reflected the institution's continued commitment to academic excellence and career readiness.

Amaldew Suresh from the Department of Computer Science and Engineering (CSE) and Arjun C H from the Department of Electrical and Electronics Engineering (EEE) successfully secured positions with the organization. Their accomplishment stood as a testament to their dedication, technical competence, and consistent efforts throughout their academic tenure.

The institute extended its heartfelt congratulations to both students and wished them continued success as they embarked on their professional careers.

NAANDI Foundation – Mahindra Pride Classroom Placement Training Programme Conducted.

The NAANDI Foundation's Mahindra Pride Classroom Training Programme, a CSR initiative of Mahindra & Mahindra, was successfully conducted at Adi Shankara Institute of Engineering and Technology from 16 to 21 February 2026. The six-day programme was organised for registered female students from the Departments of Robotics and Automation, Mechanical Engineering, Electronics and Communication Engineering, Computer Science and Engineering, and CSE (AI). The training comprised 36 hours of intensive full-day sessions held from 9:00 AM to 4:00 PM at the Main Seminar Hall and Auditorium. The programme focused on behavioural science, communication skills, aptitude development, and interview preparation, equipping final-year students with the essential competencies required for career success.

With 100 percent attendance mandated for eligibility to participate in the subsequent Job Fair, students demonstrated commendable commitment and enthusiasm throughout the sessions. The initiative significantly strengthened students' confidence and employability skills, reinforcing the institution's dedication to holistic career readiness and industry alignment.

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