

# Sakshin

Monthly Newsletter of Dept. of CSE

2026

APRIL

## 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 as Best Performing College



Adi Shankara Institute of Engineering and Technology was honored as the Best Performing College among the CSDCCP institutions of the Central Zone. This prestigious recognition was awarded in appreciation of the institution's exemplary leadership in skill education and its unwavering commitment to nurturing the next generation of professionals.

The achievement highlighted the institution's dedication to academic excellence, career empowerment, and innovative learning practices. By setting a strong benchmark in academic delivery and student development, the college continued to inspire growth and success among its students and faculty.

This recognition brought great pride to the Department of Computer Science and Engineering and reflected the collective efforts of the management, faculty members, and students in maintaining high standards of education and professional development.

# Victory in All Kerala Staff Cricket Tournament

The team proudly emerged as the champions of the All Kerala Staff Cricket Tournament held at Federal Institute of Science and Technology (FISAT). In the final match, the team secured a convincing 10-wicket victory against FISAT, showcasing exceptional teamwork and consistent performance throughout the tournament.

During the league stage, the team delivered impressive wins against MBITS, Kothamangalam, MBC CET, Peerumade, and Mahaguru, Alappuzha. In the semifinals, they defeated Christ College (Autonomous), Irinjalakuda, earning a well-deserved place in the final.

This achievement marked the team's second title win in the FISAT Cup, making the victory even more memorable and significant. The accomplishment reflected dedication, sportsmanship, and team spirit, bringing great pride to the institution. Congratulations were extended to the entire team for this remarkable success.



## Research Publication Achievement

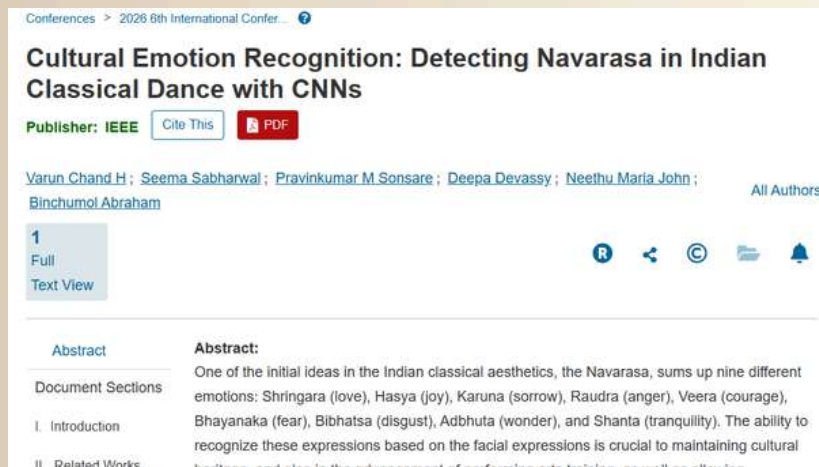


Hearty congratulations to Ms. Divya K S, Ms. Akshaya Jayaraj, Amal Anish, Abhijith Gopi, Adithya K Shenoy, and Aravind Balaji K J for successfully publishing their research paper titled “EEG Signal Analysis Using Machine Learning and Deep Learning for Brain-Controlled Smart Environments” in IEEE, presented at the 2025 1st International Conference on Advancement in Futuristic Technologies (ICAFT).

The paper explores advanced EEG-based Brain-Computer Interface (BCI) systems using machine learning and deep learning techniques for assistive communication and smart home automation, achieving high accuracy and highlighting real-world applications.

This accomplishment reflects their research excellence, innovation, and dedication. Wishing them continued success in their academic and professional journey.

# Research Publication on Cultural Emotion Recognition



The screenshot shows the IEEE Xplore digital library page for the paper "Cultural Emotion Recognition: Detecting Navarasa in Indian Classical Dance with CNNs". The page includes the title, publisher (IEEE), a PDF download button, and a list of authors: Varun Chand H, Seema Sabharwal, Pravinkumar M Sonsare, Deepa Devassy, Neethu Maria John, and Binchumol Abraham. The abstract is partially visible, starting with "One of the initial ideas in the Indian classical aesthetics, the Navarasa, sums up nine different emotions: Shringara (love), Hasya (joy), Karuna (sorrow), Raudra (anger), Veera (courage), Bhayanaka (fear), Bibhatsa (disgust), Adbhuta (wonder), and Shanta (tranquility). The ability to recognize these expressions based on the facial expressions is crucial to maintaining cultural heritage, and also in the advancement of performer arts training, as well as allowing



A research paper titled Cultural Emotion Recognition: Detecting Navarasa in Indian Classical Dance with CNNs was published in IEEE by Varun Chand H, Seema Sabharwal, Pravinkumar M Sonsare, Deepa Devassy, Neethu Maria John, and Binchumol Abraham. The study focused on recognizing the nine emotional expressions of Navarasa in Indian classical dance using Convolutional Neural Networks (CNNs).

The research aimed to preserve cultural heritage and support performing arts training by developing an automated emotion detection system based on facial expressions. A custom dataset containing 350 images for each emotion category was created in collaboration with dance schools, and various preprocessing and data augmentation techniques were applied to improve model performance.

The proposed CNN architecture combined convolutional layers, max-pooling, ReLU activation, and fully connected layers for accurate classification. The model achieved an impressive accuracy of 94.12%, with most emotion classes showing precision, recall, and F1-scores above 92%. This work demonstrated the effectiveness of deep learning in cultural emotion recognition and highlighted its potential applications in automated feedback systems, interactive technologies, and digital preservation of performing arts.

## Participation and Research Contributions at ICIICE 2026, Dubai

### A Modular Retrieval-Augmented Architecture for Multilingual Voice-Based Intelligent Assistant



Dr. Ramani Bai V along with Asutosh V. M., Abhinav R. S., Abiram R., and Amrita Sibi participated in the International Conference on Integrated Intelligence and Cognitive Engineering (ICIICE 2026) held in Dubai from April 18–19, 2026. Organized in association with the IEEE United Arab Emirates Section and Abu Dhabi University, the conference served as a platform for global academic exchange. The team presented their paper titled “A Modular Retrieval-Augmented Architecture for Multilingual Voice-Based Intelligent Assistant” as an oral presentation. Their research focused on developing a modular and efficient system for multilingual voice interaction using retrieval-augmented techniques, contributing to advancements in artificial intelligence and intelligent assistant technologies. Their participation reflected the institution’s growing emphasis on innovation, research, and international collaboration.

## An Explainable Hybrid Self-Attention-Enhanced Deep Neural Network for Malware Detection



Ms. Shany Jophin and Dr. Raja Subramanian R participated in ICIICE 2026, held on April 18–19, 2026 in Dubai, United Arab Emirates. The conference, organized in association with Abu Dhabi University, the IEEE United Arab Emirates Section, and the Ministry of Industry and Advanced Technology, brought together experts in intelligent systems and cognitive engineering. They presented their research paper titled “An Explainable Hybrid Self-Attention-Enhanced Deep Neural Network for Malware Detection” (Paper ID: 434) as an oral presentation. Their work focused on integrating explainable artificial intelligence with advanced neural network architectures to enhance the accuracy and transparency of malware detection systems. Their contribution highlighted significant progress in cybersecurity and AI-based threat detection.

## TinyML-Based Adaptive Cache Optimization for Low-Power Embedded Systems



Dr. Ramani Bal V along with Nafeesa A. S., Paul M. Martin, Sona Deyo, and Sona Mary Bijoy participated in ICIICE 2026 held in Dubai on April 18–19, 2026. The conference, organized in association with Abu Dhabi University and the IEEE United Arab Emirates Section, facilitated discussions on emerging technologies. They presented their research paper titled “TinyML-Based Adaptive Cache Optimization for Low-Power Embedded Systems” (Paper ID: 478). Their work focused on applying TinyML techniques to optimize cache performance in embedded systems while maintaining low power consumption. The study contributed to advancements in energy-efficient computing and intelligent embedded system design.

## Neethi AI: An AI-Powered Multi-Agent System for Indian Legal Advisory



Dr. Ramani Bai V, Mr. Jerin Varghese along with Rakshit Nair, Sachin Eldho, and Sreeraj Rajeev participated in ICIICE 2026, held on April 18–19, 2026 in Dubai, United Arab Emirates. The conference provided a platform for exploring innovations in intelligent systems and cognitive engineering. They presented their research paper titled “Neethi AI: An AI-Powered Multi-Agent System for Indian Legal Advisory” (Paper ID: 414) as an oral presentation. Their research focused on designing a multi-agent AI system to deliver efficient and accessible legal advisory services tailored to the Indian context. The work demonstrated the potential of artificial intelligence in transforming legal support systems and improving service delivery.

## Intelligent Food Quality Monitoring and Predictive Shelf-Life Estimation Using IoT and Machine Learning



Dr. Ramani Bai V along with Henry Martin, Juliya Poly, Malavika S., and Mariya Abraham participated in ICIICE 2026 held in Dubai on April 18–19, 2026. The conference brought together researchers and professionals to discuss advancements in intelligent technologies. They presented their research paper titled “Intelligent Food Quality Monitoring and Predictive Shelf-Life Estimation Using IoT and Machine Learning” (Paper ID: 413). Their research focused on integrating IoT technologies with machine learning models to monitor food quality and accurately predict shelf life. The study emphasized enhancing food safety, reducing waste, and improving efficiency in the food supply chain through data-driven and intelligent solutions.

## Wellness Achievement



Hearty congratulations to Sahala Mariyam P S, Noel Sabu, Yeldo K Varghese, and Nimal K G of S6 CSE C for emerging as winners in the “Debug the Diet” event held on 7th April 2026 as part of World Health Day celebrations by the ASIET ACM Student Chapter.

They were awarded certificates and cash prizes for their outstanding performance. The winners have also been offered a fitness consultation session to support their wellness journey.

Wishing them continued success in promoting health and well-being.

## Achievement in Website Development

Yadu Krishnan V S of S4 CSE C was honored with a trophy presented by Jayaram, a recipient of the Padma Bhushan, for successfully developing a website for Sree Dharma Sastha Kshetram Perumbavoor. This recognition reflected his dedication, technical expertise, and meaningful contribution in creating a valuable digital platform for the temple.

The achievement brought pride to the department and highlighted the importance of applying academic knowledge to practical projects that benefit society. His work stood as an example of innovation, commitment, and responsible use of technology.

The department warmly congratulated him on this remarkable accomplishment and wished him continued success in all his future endeavors. A special note of appreciation was also given to his mentors, Ms. Anila and Ms. Hitha, for their invaluable guidance, encouragement, and constant support throughout the project, which played a significant role in this achievement.



# Outstanding Academic Achievement in KTU S1 University Examinations

The Department of Computer Science and Engineering, Adi Shankara Institute of Engineering and Technology, recorded an excellent performance in the KTU S1 University Examinations, with a significant number of students securing SGPAs above 8.0, reflecting the department’s strong academic standards and the students’ dedication to excellence.

Ajisa Fathima emerged as the department topper with an outstanding SGPA of 9.68, followed by Ardra K with 9.58. Jaquelin Jijo, Lakshmi Priya K S, and Nandhana Sabu secured 9.53, while several other students achieved SGPAs above 9.5, 9.0, and 8.5. The results showcased a remarkable concentration of high achievers across the department, demonstrating consistent academic performance among the students.

This achievement was the result of the students’ hard work, determination, and commitment to learning, supported by the dedicated efforts and guidance of the faculty members. The outstanding results brought pride to the department and reaffirmed its commitment to fostering academic excellence and nurturing future professionals.

The Department of Computer Science and Engineering congratulated all the achievers and wished them continued success in their academic journey and future endeavors.



# Outstanding Academic Achievement in KTU S1 University Examinations

**Adi Shankara**  
INSTITUTE OF ENGINEERING AND TECHNOLOGY

*Congratulations* 

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
KTU UNIVERSITY EXAM S1 RESULTS**

 AVANI SREEDHARAN 8.97	 KFERTHANA SANTHOSH 8.91	 A R GOURINANDHANA 8.95	 NIVIYA P I 8.95	 AMRUTHASREE N 8.92
 CHRISTENA BIJU 8.92	 DEVADHARA K U 8.92	 AISHWARYA S NAIR 8.89	 ANANTHA KRISHNAN U A 8.89	 DIVYA VARGHESE 8.89
 JUSTH VIJAYVIGNANI 8.84	 NIKHIL BIJU 8.82	 ASHWINAY KRISHNA B 8.79	 PRAVEEN C S 8.79	 ASHNA T H 8.76
 ARORA C SUNIL 8.74	 KEERAJA UNNI 8.71	 NEHLA FATIMA P A 8.71	 ABHITHI SHYLAJAN 8.68	 NMA JYOTHI 8.68
 SREENANDAN M S 8.63				

**Adi Shankara**  
INSTITUTE OF ENGINEERING AND TECHNOLOGY

*Congratulations* 

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
KTU UNIVERSITY EXAM S1 RESULTS**

 BHADRA P S 8.47	 DONI SHABY 8.47	 SHIFA SHERIN P 8.47	 GOURU D M 8.45	 MANU BASIL MOORAN 8.45
 KALYANI VATTAPPILLY 8.42	 SUMEHA KS 8.42	 ANAND C S 8.39	 KRISHNA PRASAD K B 8.31	 LIVYA VIJISH 8.37
 DEVIKRISHI UDAYAKUMAR 8.29	 JUDE VILSON 8.29	 FAIHA H FAISAL 8.26	 SANVIN SUJ 8.26	 ARORA S 8.24
 PYHA SHALAJAN PANNIKODAN 8.24	 VISMAYA P V 8.24	 ZIYA FATIMA K I 8.24	 ARYA PRIDEEP 8.21	 MAHESHWAR K P 8.18

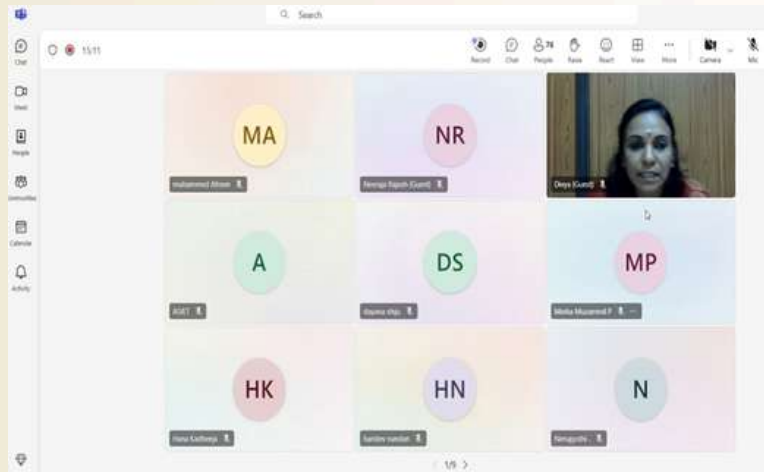
**Adi Shankara**  
INSTITUTE OF ENGINEERING AND TECHNOLOGY

*Congratulations* 

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
KTU UNIVERSITY EXAM S1 RESULTS**

 SREYA K NAIR 8.18	 ANGEL JOSE 8.16	 HIBA FATHIMA K M 8.16	 MINHA MUZAMMIL P 8.16
 LAKSHMI PRIYA SANTHOSH 8.13	 ASHMI ANTOO 8.11	 ADHITH RAJEEV 8.08	 ALBERT M PAUL 8.05
 DHIKA JOBBY PYNADATH 8.05	 VEERA S NAIR 8.05	 ALWIN SONY 8.03	 SREYA ARUN 8.03
 NEEL K SREEJITH 8	 SUFIYAN SHIRAJ MOHAMMED 8		

# Technical Webinar: Under the Hood – Mastering the Intricacies of Low-Level C Programming



The IEEE Computer Society Student Branch Chapter (CS SBC), ASIET, organized an online technical webinar titled “Under the Hood: Mastering the Intricacies of Low-Level C Programming” on 24 April 2026 via Microsoft Teams. The session, which lasted for one and a half hours, was handled by Ms. Divya K. S., Assistant Professor, Department of Computer Science and Engineering, ASIET, and witnessed the enthusiastic participation of around 90 students interested in low-level programming and system-level software development.

The webinar focused on one of the most fundamental concepts in C programming – pointers – and provided participants with a deeper understanding of memory management and the internal workings of C programs. The resource person explained key topics such as pointer declaration and initialization, pointer arithmetic, pointers and arrays, pointers to functions, and dynamic memory allocation. Through detailed explanations and practical code examples, she demonstrated how pointers enable direct memory manipulation and play a crucial role in efficient software development.

The session was highly interactive, with participants actively engaging in discussions and clarifying their doubts. The programme concluded with an engaging question-and-answer session, during which students expressed their appreciation for the clarity and depth of the concepts presented. The webinar served as a valuable learning experience, enhancing participants’ understanding of low-level C programming and its real-world applications.

## Web Design Challenge – Debug the Diet.

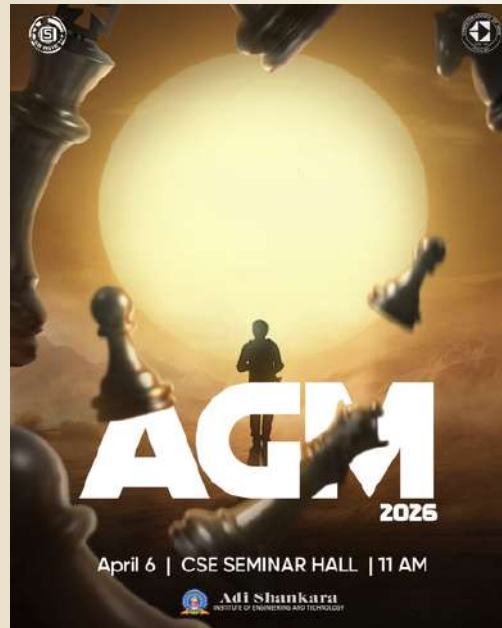


The ASIET ACM Student Chapter organized a Web Design Challenge titled “Debug the Diet: Design for Wellness, Develop for Life” on 7th April 2026 at the ADP Lab, in observance of World Health Day. The event encouraged students to integrate technology, creativity, and health awareness by designing innovative web solutions focused on wellness.

Open to all departments, the competition saw enthusiastic participation, with teams collaboratively developing user-centric web interfaces within the given time frame. The event was evaluated by Ms. Asha Alias and Ms. Ambily Mohan, and was smoothly coordinated by the ASIET ACM Student Chapter team.

The winners were awarded cash prizes along with a fitness consultation session in recognition of their outstanding performance. Overall, the challenge served as an engaging platform for innovation, collaboration, and practical learning beyond conventional coding.

## Annual General Meeting 2026

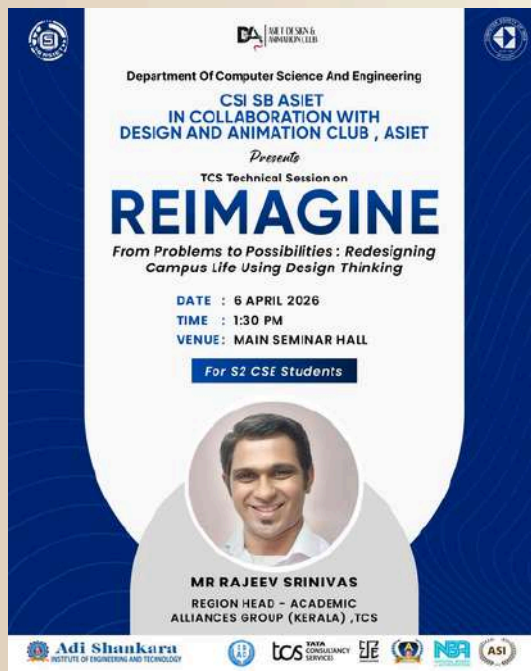


The Annual General Meeting (AGM) 2026 was conducted on 6th April 2026 at the CSE Seminar Hall. The event served as a platform to review the activities and achievements of the past academic year and to formally transition leadership to the newly elected Executive Committee.

The session featured addresses by faculty members and department heads, highlighting the importance of student participation in professional and technical activities. The annual report showcased key initiatives of the previous term, while outgoing members shared their experiences and contributions. The newly elected team also presented their vision for the upcoming year.

The event successfully recognized the efforts of the outgoing committee and set a clear direction for the continued growth of the CSI student chapter.

## Reimagine: From Problems to Possibilities – Design Thinking Session



The TCS technical session titled “Reimagine: From Problems to Possibilities – Redesigning Campus Life Using Design Thinking” was conducted on 6th April 2026 at the Main Seminar Hall, organized by CSI in collaboration with the Design and Animation Club for first-year CSE students. The session was led by Mr. Rajeev Srinivas, Region Head – Academic Alliances Group (Kerala), TCS Kochi. The session introduced the principles of design thinking through interactive discussions, creative problem analysis, and practical exercises, encouraging students to develop innovative and solution-oriented approaches. It was highly engaging and provided valuable industry insights at an early stage of their academic journey.

Dr. Ramani Bai V appreciated the initiative and highlighted the importance of academia–industry collaboration. The event concluded with a vote of thanks by Sreenandan MS, Secretary of the Design and Animation Club. Overall, the session promoted creativity, critical thinking, and practical application of ideas among students.

## Selection as Partner Engagement Intern



Hearty congratulations to Malavika Rajan of S4 CS B on being selected as Partner Engagement Intern at μLearn Foundation. Her strong communication skills and passion for building meaningful connections played an important role in achieving this opportunity. This accomplishment reflected her dedication, confidence, and professional potential. The department proudly congratulated her on this achievement and wished her great success and an inspiring journey ahead.

## Launch of $\mu$ V: A New Interest Group for Visual Storytelling and Cinema



MuLearn ASIET introduced  $\mu$ V, a new interest group dedicated to exploring the world of cinema, visual storytelling, and creative expression. Inspired by the idea that films are more than a source of entertainment, the initiative was launched to provide students with a platform to watch, analyze, and create meaningful visual narratives.

The interest group aims to encourage participants to delve deeper into the art of filmmaking by understanding elements such as storytelling, direction, cinematography, and visual composition. Through discussions, screenings, and creative activities, members will have the opportunity to develop a critical appreciation of cinema and gain insights into the techniques that shape compelling visual stories.

The launch of  $\mu$ V marked the beginning of a vibrant community for film enthusiasts and aspiring creators at ASIET. By fostering creativity, collaboration, and thoughtful analysis, the initiative seeks to help students broaden their perspectives and engage with cinema as a powerful medium of expression and communication.

## Leadership Announcement: Rohith Das Takes Charge as $\mu$ V Lead



MuLearn ASIET announced Rohith Das of S4 AI as the Lead of  $\mu$ V, the interest group dedicated to cinema, visual storytelling, and creative media. The announcement marked an important milestone in the growth of the community as it continued its journey of exploring films beyond entertainment and fostering creative expression among students.

Recognized for his passion for cinematic storytelling and technical expertise, Rohith was entrusted with guiding the activities and vision of the interest group. As the  $\mu$ V Lead, he will play a key role in organizing discussions, screenings, creative projects, and collaborative initiatives that encourage students to watch, analyze, and create meaningful visual stories.

The appointment was welcomed with enthusiasm by members of the community, who looked forward to a new phase of learning and creativity under his leadership. The initiative reaffirmed MuLearn ASIET's commitment to nurturing diverse interests and providing students with opportunities to develop their artistic, analytical, and collaborative skills through the medium of cinema.

## Discussion on the CATCH THE FUTURE Program



On 30 April 2026,  $\mu$ Learn ASIET participated in a discussion with officials from GKS Infotech and representatives of ASIET regarding the CATCH THE FUTURE program. The meeting was organized to explore opportunities for enhancing innovation, entrepreneurship, skill development, and placement initiatives within the institution.

The discussion focused on identifying potential areas of collaboration that could benefit students by providing greater exposure to industry-oriented learning and career development opportunities. Representatives exchanged ideas on how the program could contribute to strengthening the institution's efforts in fostering an entrepreneurial and innovation-driven culture.

The meeting concluded on a positive note, with plans being formulated to introduce the CATCH THE FUTURE program to students through a general session in the coming months. The initiative marked a promising step towards building stronger industry-academia partnerships and creating new avenues for student growth and professional development.

# TinyML: The Future of AI in Small Devices

Artificial Intelligence is usually associated with powerful computers, cloud servers, and expensive GPUs. But what if AI could run on tiny devices like smartwatches, fitness bands, hearing aids, or even small sensors used in agriculture? This is where TinyML comes into the picture – a technology that is slowly transforming the future of smart devices.

## ***What is TinyML?***

TinyML stands for Tiny Machine Learning. It is a field of technology that focuses on running machine learning models on very small and low-power devices called microcontrollers. These devices usually have very limited memory, processing power, and battery life.

Unlike traditional AI systems that depend heavily on the internet or cloud computing, TinyML allows devices to make decisions locally without sending data to servers. This makes the process faster, safer, and more energy efficient.

## **Why is TinyML Important?**

Most AI applications today require continuous internet access and high computing resources. However, TinyML reduces these requirements and opens opportunities for smart systems in areas where internet connectivity is poor or power supply is limited.

Some major advantages include:

**Low Power Consumption** – Devices can run for months or even years on small batteries.

**Faster Response Time** – Since data is processed locally, decisions are made instantly.

**Better Privacy** – User data stays inside the device instead of being uploaded to cloud servers.

**Low Cost** – TinyML devices are cheaper compared to full-scale AI systems.

## Real-Life Applications of TinyML

TinyML is already being used in several innovative areas:

### Smart Healthcare

Wearable devices can monitor heart rate, detect abnormal patterns, and alert users instantly.

### Agriculture

Sensors placed in farms can identify soil conditions, crop diseases, or irrigation needs without requiring internet access.

### Environmental Monitoring

Tiny sensors can detect air pollution, forest fires, or water contamination in remote areas.

### Smart Homes

Voice assistants and security systems can process commands locally for faster and more secure performance.

### Industrial Safety

Factories use TinyML-powered sensors to predict machine failures and prevent accidents.

## Challenges in TinyML

Even though TinyML has huge potential, there are still challenges:

Limited memory and processing power

Difficulty in training highly accurate models

Hardware compatibility issues

Need for specialized optimization techniques

Researchers are actively working on overcoming these limitations to make TinyML more powerful and accessible.

## ***The Future Ahead***

TinyML is expected to become one of the most impactful technologies in the coming years. As devices become smarter and smaller, TinyML can help build a world where AI is available everywhere – from classrooms and hospitals to villages and space missions.

For Computer Science students, TinyML offers exciting opportunities in embedded systems, AI, IoT, and robotics. It is a field that combines innovation with real-world problem solving.

## **Conclusion**

TinyML proves that Artificial Intelligence does not always need massive computers and expensive infrastructure. Sometimes, even the smallest devices can perform intelligent tasks efficiently. As technology continues to evolve, TinyML may soon become the backbone of next-generation smart systems.

Gloriya Titto  
2022-26 Batch  
CSE B



# Smart Systems and Edge AI: The Next Wave of Innovation

Technology is evolving rapidly, and Artificial Intelligence has become a major driving force behind innovation. From virtual assistants to automated coding tools, AI is transforming the way industries work. However, along with these advancements comes a growing concern – cybersecurity.

As an alumnus working in the tech industry, I have observed that cybersecurity is no longer limited to protecting passwords or securing websites. Today, organizations must defend themselves against highly sophisticated cyberattacks powered by AI and automation.

## The Growing Importance of Cybersecurity

Every day, millions of people share personal information online through banking apps, social media platforms, cloud services, and smart devices. This massive amount of digital data has become a valuable target for cybercriminals.

Cybersecurity focuses on protecting systems, networks, and data from unauthorized access, attacks, and damage. In recent years, the rise of AI has made both cyber defense and cyber threats more advanced than ever before.

## How AI is Changing Cybersecurity

Artificial Intelligence is helping security experts detect threats faster and more accurately. AI-based systems can analyze huge amounts of data, identify unusual activities, and respond to attacks in real time.

Some important applications include:

### Threat Detection

AI systems can recognize suspicious behavior patterns and identify malware or phishing attempts before they cause damage.

### Fraud Prevention

Banks and online payment systems use AI to detect fraudulent transactions instantly.

### Automated Security Monitoring

AI-powered tools continuously monitor networks and alert security teams about vulnerabilities.

## Biometric Authentication

Face recognition and fingerprint systems improve security and reduce dependence on passwords.

## The Dark Side: AI-Powered Cyberattacks

While AI helps improve security, cybercriminals are also using AI for harmful purposes. Attackers can create realistic phishing emails, automate hacking attempts, and develop malware that adapts to security systems.

This creates a continuous competition between cybersecurity professionals and attackers.

## Skills Students Should Focus On

For current Computer Science students, cybersecurity offers excellent career opportunities. Some valuable skills include:

Network Security

Ethical Hacking

Cryptography

Cloud Security

Python Programming

AI and Data Analysis

Digital Forensics

Certifications and hands-on projects can also help students gain practical knowledge.

## Conclusion

The future of technology depends heavily on digital security. As AI continues to grow, cybersecurity will become one of the most critical fields in the tech industry. Students entering this field today have the opportunity to contribute to a safer digital world while building rewarding careers.

Sanjay Gireesan  
2020-24 Batch  
CSE B



# Congratulations on Your Campus Placement



Hearty congratulations to Farhah E S and Christo Martin of the 2022–2026 B.Tech CSE batch for securing campus placements at Litmus7. This achievement reflects their dedication, hard work, and technical excellence. Wishing them continued success in their professional journey ahead.

# Congratulations on Your Campus Placement



Hearty congratulations to Anirudh M V of the 2022–2026 B.Tech CSE batch for securing a campus placement at Tata Consultancy Services (TCS). This achievement reflects his dedication, hard work, and technical excellence. Wishing him continued success in his professional journey ahead.

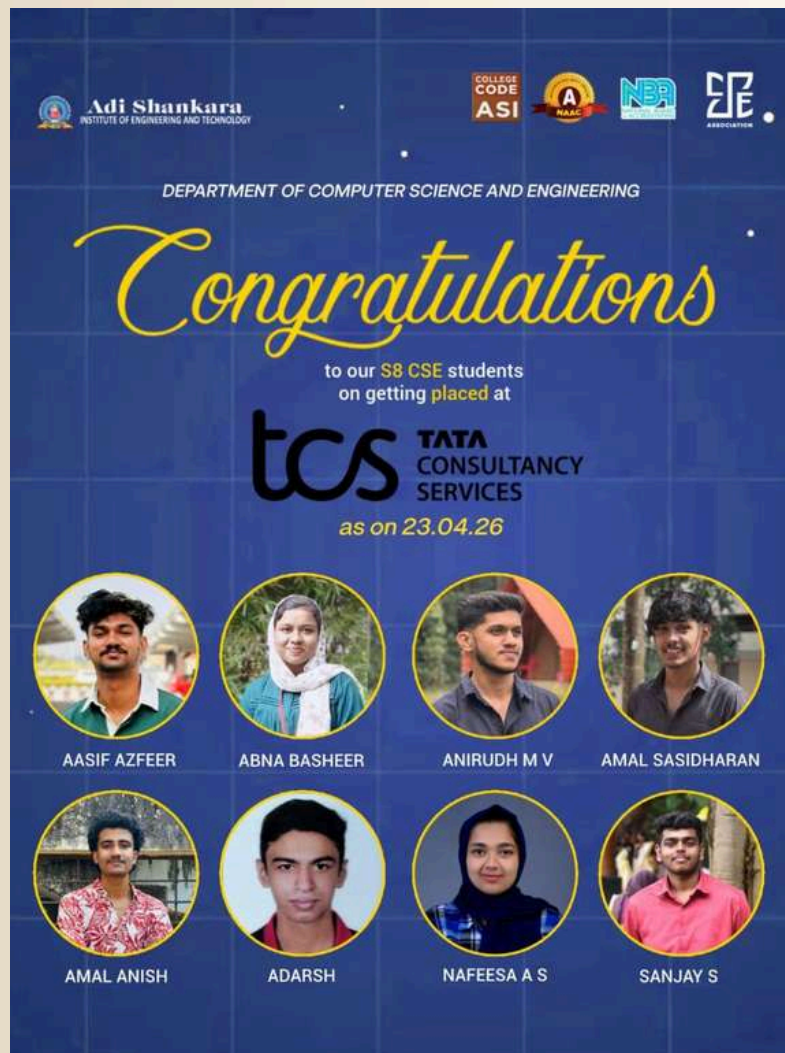
## Placement at CareStack



The Department of Computer Science and Engineering proudly congratulated Malavika E A of S8 CS B (2022–2026) on securing placement at CareStack. This achievement reflected her dedication, consistent hard work, and strong academic performance throughout her journey.

Her placement marked a significant milestone and served as an inspiration to fellow students aspiring to build successful careers in the technology industry. The department extended its best wishes to her for a bright and successful professional future.

## S8 CSE Students Secured Placements at Tata Consultancy Services.



The Department of Computer Science and Engineering proudly announced the placement of eight S8 CSE students at Tata Consultancy Services (TCS) as of 23 April 2026. The achievement reflected the students' hard work, technical competence, and consistent efforts throughout their academic journey. The students who secured placements were Aasif Azfeer, Abna Basheer, Anirudh M. V., Amal Sasidharan, Amal Anish, Adarsh, Nafeesa A. S., and Sanjay S. Their success highlighted the strong academic foundation and industry-oriented training provided by the department. The department extended its heartfelt congratulations to the placed students and wished them success in their professional careers. This accomplishment added another milestone to the department's placement record and served as a source of motivation for aspiring engineers.

## S8 CSE Students Selected for Apprenticeship at ISRO LPSC



The Department of Computer Science and Engineering proudly celebrated the achievement of Devika Shibu and Fathima Aboobakker of S8 CSE C (2022-2026 Batch), who were selected for apprenticeship opportunities at ISRO Liquid Propulsion Systems Centre (LPSC). Their selection reflected their academic excellence, technical proficiency, and dedication to continuous learning.

Securing an apprenticeship at one of India's premier space research organizations is a significant milestone that provides valuable exposure to advanced technologies and real-world engineering practices. Their accomplishment brought pride to the department and highlighted the talent and potential of its students.

The department extended its heartfelt congratulations to both students and wished them success in their apprenticeship journey. Their achievement serves as an inspiration to fellow students to strive for excellence and pursue opportunities in prestigious national institutions.

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**CREATIVE DESIGN**



NANDANA SUDHIR VARMA  
(S4 CSE-C)



CATHERINE NIXON  
(S6 CSE-B)

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**CONTENT TEAM**



GLORIYA TITTO  
(S8 CSE-B)



SANA FATHIMA  
(S6 CSE-C)



SANJANA ELIZABETH  
(S6 CSE-C)