



MAR BASELIOS
COLLEGE OF ENGINEERING AND TECHNOLOGY
— AUTONOMOUS —

FEBRUARY 2026 - MARCH 2026 | ISSUE NO. 35

DEPARTMENT OF
**COMPUTER SCIENCE
AND ENGINEERING**

Department Bulletin

VISION

To be a Centre of Excellence in Computer Science and Engineering providing quality education and research for the betterment of the society.

MISSION

To impart sound knowledge in theoretical and applied foundations of Computer Science and Engineering, and to train the students to solve real life issues to effectively define and shape life.

HASH 2026



HASH 2026, organized by the **Department of Computer Science and Engineering**, was successfully held with strong student participation from multiple institutions. The event included both technical and non-technical competitions, such as coding challenges, debugging contests, and problem-solving events, which promoted innovation, teamwork, and technical excellence.

Mr. Adarsh Nair, Director and Global Head of Information Security Compliance at UST, inaugurated the event and emphasized the importance of information security, compliance, and innovation in the digital era.

Dr. Jisha John, Head of the Department and Professor of CSE, also addressed the gathering, along with faculty coordinators **Mr. Ramjith R P** and **Ms. Lino Zachariah**, and student coordinator **Mr. Kiran Biju** (S8 CSI). They motivated participants and outlined the event's objectives. Thanks to the effective coordination of organizers, faculty, and volunteers, HASH 2026 concluded successfully, inspiring participants and setting a high standard for future editions.

WOMEN'S DAY CELEBRATION AT APPEXUS TECHNOLOGIES



Selected final-year female B.Tech students from the Departments of CSE, ECE, and EEE attended a session at Appexus Technologies on March 5, 2026, to mark International Women's Day. The programme supported students' transition from graduation to early professional life, emphasizing confidence, prioritization, and workplace adaptation.

The session also addressed financial independence, mental well-being, and the importance of continuous learning. Key topics included networking, identifying opportunities, taking initiative, and effective communication, all while balancing personal and professional goals. The participants' curiosity, engagement, and honest reflections fostered optimism about the future.

Faculty Coordinators: **Ms. Prathibha S. Nair, Ms. Vijitha Robinson, and Ms. Neethi Narayanan** (Asst. Professors, Dept. of CSE)

CERTIFICATE OF APPRECIATION FROM AICTE FOR TRANSLATION CONTRIBUTION



Ms. Dhanya L. K., Asst. Professor, Dept. of CSE, was awarded a Certificate of Appreciation by the All India Council for Technical Education (AICTE) in recognition of her valuable contribution as a translator under the Technical Book Writing Scheme. As part of this initiative, she translated the *AICTE First-Year Diploma textbook, **Introduction to IT Systems*** (with Lab Manual), into Malayalam, making a significant contribution to the promotion of accessible and inclusive technical education.

PAPER PRESENTATIONS

- **Ms. Neethi Narayanan**, Assistant Professor, Department of CSE, participated in the International Conference on Multidisciplinary Perspectives in Advanced Computing and Technology (IMPACT 2026) on 10 and 11 January 2026, and presented. The paper “**Entropy-Validated Post-Quantum Cryptography for Secure Key Management in Cloud Systems**”, organized by the Department of IT, College of Technology, G. B. Pant University of Agriculture and Technology, Uttarakhand, India.
- **Ms. Asha S.**, Associate Professor in the Department of CSE, presented a paper titled “**AI-Driven Environment Sustainability: Models, Tools, and SDG Acceleration Framework for Academic Institutions**”. She delivered her presentation at the National Seminar on AI as an Accelerator to SDGs: Pathways and Possibilities, held on 17th January 2026 at Vidya Academy of Science and Technology, Thrissur.

- **Ms. Deepthi K Moorthy**, Assistant Professor, Department of CSE, presented a paper titled, "***Alzheimer's disease classification using Revolution Optimized SqueezeNet***" at the 4th Congress on Control, Robotics, and Mechatronics (CRM2026), organized by SR University, Warangal, on 22nd February 2026.
- **Mr. Adhithya Smitha Raj, Mr. Ameen Khan S. R. , Mr. Anand Pillai, Ms. Namitha S. Menon (S8 CS2), and Ms. Lino Zachariah** (Assistant Professor, CSE) presented a paper titled "***Decentralized Social Media Platform using Blockchain, AI, and NFTs***" at the 2nd International Conference on Artificial Intelligence and Machine Learning (ICAIML 2026), held at Bharata Mata College, Thrikkakara, on January 30, 2026.
- **Mr. S. Abhilash, Mr. S. Abhijith, Mr. Varun S., and Ms. Sraddha S.** (S8 CS2), along with **Mr. G. L. Praveen** (Assistant Professor, Department of CSE) presented the paper, "***Advanced Career Guidance With Mock Interview System***" at the 2nd International Conference on Artificial Intelligence and Machine Learning (ICAIML 2026), held at Bharata Mata College, Thrikkakara, on January 30, 2026.
- A team of four students from S8 CS2, including **Ms. Ananya Pramod** and **Ms. Bhavana S. Moorthy, Mr. Aromal M, and Ms. Fathima Gesny**, along with **Mr. Ramjith R. P.**, Assistant Professor, Department of CSE presented a research paper titled "***AI-Based Web Application for Early Detection and Stage Classification of Cervical Cancer***" at the International Conference on Sustainable Development in Renewable Energy and Computing Techniques (ICSRC 2026) organized by Mar Baselios College of Technology and Science, Kothamangalam, Ernakulam. At the conference, the team introduced their AI-driven web application, which is designed to facilitate early detection and stage classification of cervical cancer. The system aims to provide an accessible web-based platform to support healthcare professionals, contributing to advancements in healthcare technology and intelligent computing research.

STAKEHOLDERS MEET



The PTA meeting for **S4 CSI, CS2**, and **CT** took place on 14 March 2026 from 9:30 am to 12:30 pm in Pascal Hall. Parents met with the Head of Department, Class Advisors, and subject faculty. The agenda covered CAT 1 performance in individual subjects, attendance, activity points, credit requirements, and classroom discipline. Parents' questions regarding academics and other activities were addressed. The meeting also included a detailed review of students' academic progress and strategies to enhance performance.

CONDUCTED BOS

The Department of Computer Science and Engineering conducted its **Ninth** and **Tenth Board of Studies meetings** on 19 February 2026 and 23 February 2026, respectively, at 3:00 PM in hybrid mode at Pascal Hall.

The Ninth meeting focused on finalizing the fourth-year B.Tech CSE syllabus under the 2023 curriculum and the M.Tech CSE syllabus proposed for implementation in 2026. The Tenth meeting finalized the fourth-year B.Tech CSE (AI) syllabus under the 2023 curriculum and the syllabus proposed for implementation in 2026 for M.Tech in AI & Data Science

FDP ATTENDED

- **Ms. Poorna B. R.**, Assistant Professor, Department of CSE, successfully completed the five-day Online Faculty Development Programme on **Agentic AI**, organized by the Department of Artificial Intelligence and Data Science at Muthoot Institute of Technology and Science, Kochi, from 5 February 2026 to 10 February 2026.
- **Ms. Diana Mathew**, Assistant Professor in the Department of CSE, attended a five-day faculty development program on "**Redefining Academia: Teaching Innovation & Research Excellence**," organized by the Department of Computer Science, University of Kerala, held from 23 to 27 February 2026.
- **Ms. Gauri Shree V. K.**, Assistant Professor in the Department of CSE, has successfully completed the AICTE Training and Learning (ATAL) Academy Faculty Development Program on **Emotional Intelligence and Stress Management** at Mar Baselios College of Engineering and Technology, held from 23 February 2026 to 28 February 2026.
- **Ms. Diana Mathew**, Assistant Professor in the Department of CSE, attended a five-day faculty development program titled "**AI-Based Predictive Analytics for Disease Diagnosis and Healthcare Monitoring**." The event was organized by the Department of Artificial Intelligence & Data Science in collaboration with the Biomedical AI and Health Analytics Research Group at Rajagiri School of Engineering & Technology (Autonomous), Kochi, from 23 to 27 March 2026.

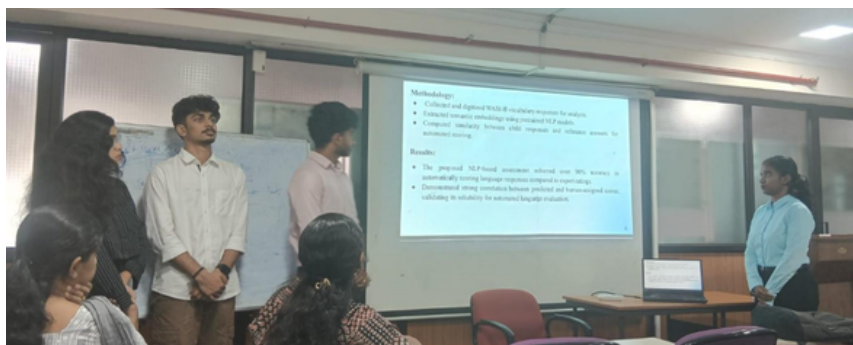
DESIGN REGISTERED



Dr. Bindhya P. S., Assistant Professor in the Department of CSE, has registered an innovative design. The “**Two Terminal Variable Resistance Rheostat**” (Design No. 484123-001) was registered on 17 December 2025. This achievement highlights excellence in research and intellectual property.

The design improves efficiency, durability, and usability for effective current control. It also enables precise analog adjustments in microcontroller systems and supports dynamic electrical tuning during prototyping.

PROJECT PRESENTATION AT CDC



Mr. Aadi Shankar Pillai, Mr. Rohit B. Nair, Ms. Nandana Anand, and Ms. Salin Shain from S8 CSE presented their project, “**Digital Speech–Language Assessment App,**” at CDC. The project is being developed in collaboration with the CDC, Thiruvananthapuram.

The team is guided by **Ms. Deepthi K. Moorthy** (Assistant Professor, Department of CSE) and **Dr. Sreedevi P.** (Associate Professor, Department of ECE). They received positive feedback on both their presentation and the quality of their project.

APPRECIATION BY DR. SASI THAROOR



Shashi Tharoor @ShashiTharoor · 14h
An impressive pair of engineering students from Mar Baselios College came with a project report (prepared over two years of research and field study) to clean up the Amayizhanjan Canal in Thiruvananthapuram. The Amayizhanjan Thodu is a long, major, heavily polluted canal flowing through the heart of Thiruvananthapuram city, emptying into the Akkulam Kayal. It flows near the Thiruvananthapuram Central railway station, frequently faces severe waste management issues, and has been the site of extensive unsuccessful cleaning operations.

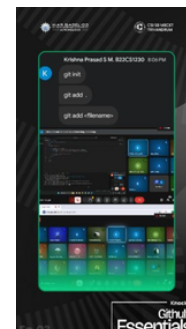
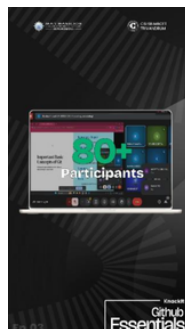
If the project proves implementable it will be a remarkable contribution towards the much-needed ecological revival of the city, I am delighted to see these young people devoting their time and abilities to tackling a problem that is older than they are!



On 24 March 2026, **Mr. Karthik Raj** and **Mr. Amit A. R.** represented their project group, which included **Ms. Dia Elizabeth** and **Mr. Abhinav Dev V. M.**, under the guidance of **Dr. Anne Dickson** (Associate Professor, Dept. of CSE). They presented their project, **“Aqua Cleanse: Smart Waterway Waste Management System,”** to **Dr. Sasi Tharoor**, Hon’ble Member of Parliament from Thiruvananthapuram.

Dr. Tharoor praised the project for its potential to clean the Amayizhanjan Thodu and shared his appreciation in a tweet on his official social media account.

KNACKIT – EPISODE 3: GITHUB ESSENTIALS



“KnackIt – Episode 3: GitHub Essentials” was held on 22 February 2026 via Google Meet as part of the KnackIt Professional Edge series. The session introduced students to the fundamentals of Git and GitHub, with a focus on version control and collaboration.

Mr. Krishna Prasad (S8 CS2) led the session, covering development practices. He provided an interactive, beginner-friendly walkthrough of key Git concepts, along with a hands-on demonstration. The event saw enthusiastic participation from over **80 students**. Participants gave very positive feedback, highlighting the session’s clarity, practical approach, and engaging delivery.

VISIT TO “THRPPAADAM”



As part of '**Sparsham**', the social outreach programme of the Department of Computer Science and Engineering: a team of students and faculty visited **Thrppaadam Old Age Home** in **Nedumangadu**, which provides care and shelter for elderly, destitute, and mentally challenged individuals.

The team donated essential supplies, hygiene items, and clothing contributed by faculty members and students for the residents. The visit also included meaningful interactions with the residents, during which the team spent quality time offering companionship and emotional support. The initiative provided a valuable experience, fostering compassion, social responsibility, and community engagement among the participants.

Coordinators: **Ms. Poorna B.R.** and **Ms. Vijitha Robinson**, Asst. Professors, Dept. of CSE.

WINNERS OF THE BATTLE OF BANDS COMPETITIONS

FIRST PRIZE WINNERS



Mr. Seby Toms (S8 ME), **Mr. Aromal M Ashok** (S6 CS1), and **Mr. S Sabarinath** (S6 CS2) **Mr. Joseph George** (S6 ME1), **Mr. Joseph Benedict** (S6 CT), and **Mr. Noel Noble** (S2 EC2) won first prize in the Battle of Bands at ACE College of Engineering, Thiruvallam, held on 6th February, 2026.

SECOND PRIZE WINNERS



Mr. Seby Toms (S8 ME), **Mr. Aromal M Ashok** (S6 CS1), and **Mr. S Sabarinath** (S6 CS2), **Mr. Joseph George** (S6 ME1), **Mr. Joseph Benedict** (S6 CT), and **Mr. Noel Noble** (S2 EC2) won second prize in the Battle of Bands at Muthoot Institute of Technology and Science (MITS), Kochi, on 14 February 2026.

WON THIRD PRIZE

Mr. Seby Toms (S8 ME), **Mr. Aromal M Ashok** (S6 CS1), and **Mr. S Sabarinath** (S6 CS2), **Mr. Joseph George** (S6 ME1), **Mr. Joseph Benedict** (S6 CT), and **Mr. Noel Noble** (S2 EC2) were awarded third prize in the Battle of Bands at the Indian Institute of Space Science and Technology, Thiruvananthapuram, held on 20 January 2026.

WON FIRST PRIZE

Mr. Seby Toms (S8 ME), **Mr. Anzil Asharaf** (S8 ME), **Mr. Aromal M Ashok** (S6 CS1), **Mr. S Sabarinath** (S6 CS2), **Mr. Joseph George** (S6 ME1), **Mr. Joseph Benedict** (S6 CT), and **Mr. Noel Noble** (S2 EC2) received first prize in the Battle of Bands at Saintgits College of Engineering and Technology, held on 28 February 2026.

SECOND POSITION IN THE KTU ATHLETICS MEET



Mr. Dev Narayan of S6 CS2 achieved **second place** in the **KTU Athletics Meet**, Chandrasekharan Nair Stadium.

SELECTED TO UNIVERSITY NETBALL TEAM



Mr. Dev Narayan P. (S6 CS2) has been selected for the Netball University team, which will compete in the All India Inter University Netball Championship at SAGE University, Indore, Madhya Pradesh, from 9 March to 14 March 2026.

SCHOLAR CONNECT SPOTLIGHT

An academic interaction was held with **Ms. Sarada** as part of the **Scholar Connect Spotlight. B. S.** from **RIKEN, Japan**, participated in the **National Research Conference** and **the Kerala Higher Education Expo 2026**. A strategic discussion was initiated with **Dr. Tessy Mathew**, Professor in the Department of Computer Science and Engineering, to explore potential collaborative research opportunities.

The discussion centered on extending ongoing research by developing a semantic editor for the cyber forensics domain, emphasizing structured knowledge representation and investigative data modeling. The proposed framework is designed to align with current national research priorities to improve funding prospects.

The collaborators plan to identify relevant state, national, and international funding opportunities, prepare a concept note, and define specific research objectives to facilitate formal institutional collaboration and the submission of a joint research proposal.

FIRST PRIZE IN REVERSE MARKETING



A team of students comprising **Mr. Elvis Mathews Olickal** (S6 EL), **Mr. Adithya Lalit** (S6 EL), and **Mr. Joshua Sunny Ninan** (S6 CS1) secured **First Prize** in the event “**Reverse Marketing (Pitching)**” conducted at **Mohandas College of Engineering and Technology**.

Reverse Marketing is a unique pitching competition where participants creatively promote a product that is intentionally useless or undesirable in everyday life. The team delivered an engaging and innovative pitch that showcased creativity, humour, and persuasive presentation skills, impressing the judges and earning them first place. They were awarded a **cash prize** of ₹2000 for their outstanding presentation and inventive approach.

CLEARED THE FIRST ROUND OF YIP DISTRICT-LEVEL COMPETITION

A team of four students from S8 CS2, including **Ms. Ananya Pramod** and **Ms. Bhavana S Moorthy**, **Mr. Aromal M** and **Ms. Fathima Gesny** successfully advanced past the first round and presented their project, titled “**AI-Driven Multimodal Early Detection and Stage Classification of Cervical Cancer for Resource-Constrained Healthcare Settings**,” at the district-level competition of the Young Innovators Programme (YIP 8.0). The project was carried out under the mentorship of **Mr. Ramjith R P** (Asst. Professor, Dept. of CSE).

MAR BASELIOS COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)

Nalanchira Thiruvananthapuram - 15

2022 - 2026 Batch CS & CT

Your journey here may be ending, but your story is just beginning.

Go write it with courage and passion. Wishing you Good Luck!!



PAPER PUBLICATIONS

- The paper, “**LLM-Based Hate Speech Detection in Malayalam-English Code-Mixed Memes**,” authored by **Ms. Dhanya L. K.**, Assistant Professor, Department of CSE, was published in IEEE Xplore in March 2026.
- The paper, “**An Attention-Enhanced CNN-BiLSTM Model for Speech Assessment of Hard-of-Hearing Speakers**,” by Dr. Jesna Mohan, Associate Professor, Department of CSE, has been published in IEEE Access (2026). doi:10.1109/ACCESS.2026.3673713
- The paper, “**Enhancing Stroke Recovery: Rehabilitation Using MRI and Predictive Modeling**,” was authored by **Ms. Anna G. Samuel, Ms. Angel T. John, Ms. Anna Biju Abraham, Ms. Vismaya C. P.**, (2021 - 2025 CS2) and **Dr. Jisha John** (Professor and HoD). The paper was published in the IEEE Xplore Digital Library in March 2026.
- The paper “**Digital Speech–Language Assessment App**.” by **Mr. Aadi Shankar Pillai, Mr. Rohit B. Nair, Ms. Nandana D,** and **Ms. Salin Shain** (S8 CSE), guided by **Ms. Deepthi K. Moorthy** (Assistant Professor, CSE) and **Dr. Sreedevi P.** (Assistant Professor, ECE), was published in the Proceedings of the 7th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI-2026). DOI 10.1109/ICMCSI67283.2026.11412921
- The paper titled “**CookIS: Your AI-Powered Cooking Companion**” was authored by The authors are **Mr. Aadithya S. L., Mr. Anandadev A., Mr. Ashvin P. Kumar, Ms. Aynamfathima** (S8 CT), and **Ms. Neethi Narayanan** (Assistant Professor, Department of CSE). The paper was published in the official proceedings of the International Conference on Multidisciplinary Perspectives in Advanced Computing and Technology (IMPACT-2026), held on January 10 and 11, 2026.

CHIEF EDITOR: DR. JISHA JOHN

FACULTY EDITORS: MS. VIJITHA ROBINSON | MS. VINITHA V.K. | MS. SHERLY WILSON R

STUDENT EDITORS: MR. G A ASHWIN KUMAR | MS. AGILA BENEDICT