



TECH PULSE

VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2025-2026

ISSUE:10 VOLUME:5



our vidya our pride

Vision

Progress through quality education and become a centre of excellence in computing knowledge

Mission

M1: Seek to foster in every student a profound and practical understanding of knowledge, encouraging critical inquiry and intellectual curiosity.

M2: Strive to ensure every student develops holistically, cultivating the skills, ethical character, and resilience necessary to thrive in diverse and challenging future environments.

M3: Scale the commitment to service by inspiring students to apply their knowledge and skills to actively address community needs, promoting ethical leadership and social responsibility.

Program Outcomes (POs)

PO-1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science & Engineering specialization to the solution of complex engineering problems.

PO-2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development.(WK1 to Wk4)

PO-3: Design/development of solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety whole-life cost, net zero carbon, culture, society and environment as required.(WK5)

PO-4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO-5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO-6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO-7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO-8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO-9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO-10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO-11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

Program Specific Outcomes (PSOs)

PSO-1: The ability to apply the knowledge of computational structures and algorithms for solving complex engineering problems in multidisciplinary areas.

PSO-2: The ability to design, develop and evaluate computer based systems using advanced tools and technologies to meet the real world challenges.

Program Educational Objectives (PEOs)

PEO-1: Graduates shall practice Computer Science and Engineering in IT industry, public sector undertaking, as an entrepreneur or as a researcher pursuing a successful professional career.

PEO-2: Graduates shall demonstrate creativity, develop innovative ideas and work in teams to accomplish a common goal.

PEO-3: Graduates shall demonstrate project management skills, lifelong learning and social awareness upholding ethical values.

FROM THE HEAD'S DESK: ISSUE HIGHLIGHTS

Message From HOD



It is a matter of pride to share the latest edition of our department newsletter, highlighting the vibrant academic and professional activities carried out during this period. Our department continuously endeavors to create

a learner-centric environment that promotes innovation, critical thinking, and lifelong learning. By integrating emerging technologies, industry exposure, and research driven practices into the curriculum, we prepare our students to meet global challenges with confidence.

I sincerely congratulate our students and faculty for their achievements and thank all stakeholders for their continued support. Let us move forward together with commitment and enthusiasm toward excellence.

About Department

The department was established in the year 2003 with the commencement of a B.Tech programme in CSE with an Intake of 240 students and the programme is affiliated to the APJ Abdul Kalam University, Trivandrum, Kerala. We strive to provide the holistic and inclusive ambience to enhance their knowledge and skills to achieve their long-term goals.

ACADEMIC ACTIVITIES

ALUMNI INTERACTION

The Department of Computer Science and Engineering organized an Alumni Web Talk, “Navigating the Future: From Campus to Career Success,” on 06 February 2026. The session was led by Ms. Jeeva C. S, Data Quality Analyst at HP (CSE Batch 2021–2025), who shared her career journey and valuable insights on technical skills, internships, communication, adaptability, and industry expectations. The interactive session was well received and inspired students in their career planning.

The Department of Computer Science and Engineering organized an Alumni Web Talk, “Building a Software Career,” on 09 February 2026. The session was delivered by Mr. Joel Joseph, Software Development Engineer at HashedIn by Deloitte (CSE Batch 2021–2025), who shared valuable insights on programming, problem-solving, internships, projects, interview preparation, resume building, and workplace expectations. The interactive session enhanced students' career awareness and industry readiness while highlighting the importance of continuous learning and alumni engagement.

WORKSHOP CONDUCTED

The Department of Computer Science and Engineering organized a One-Day Workshop on Cyber Security and Ethical Hacking on 20 February 2026. The session was conducted by Mr. Abhimel, Lead Security Engineer, Cozmek Private Ltd., Kochi, and provided students with practical exposure to cybersecurity, ethical hacking, web security, Linux fundamentals, and AI-driven security. The workshop enhanced participants' understanding of cyber threats, defense strategies, and emerging industry practices through interactive, hands-on learning.



The Department of Computer Science and Engineering organized a one-day workshop on “Hands-on Exploration of RISC-V Architecture Using Ripes Simulator” on 21 February 2026 for 100 S4 CSE students. The session was led by Mr. Lomin Joy, Senior Project Engineer, IIT Palakkad, and provided hands-on training in RISC-V architecture, instruction execution, datapath design, pipelining, and processor organization using the Ripes Simulator. The workshop enhanced students' practical understanding of computer architecture concepts.

FACULTY DEVELOPMENT AND ACHIEVEMENTS

FDP ATTENDED

The Department of Computer Science and Engineering actively participated in the six-day Faculty Development Programme, “Transformative AI: Deep Learning to Agentic Intelligence,” held from 29 December 2025 to 03 January 2026 at Vidya Academy of Science and Technology. The programme provided faculty with hands-on exposure to advanced AI technologies, including deep learning, NLP, transformer models, LLMs, RAG, and agentic AI. Conducted by experts from academia and industry, the FDP enhanced participants' knowledge and practical skills in emerging AI technologies.

The Department of Computer Science and Engineering actively participated in the seminar “AI Kyro – Deep Dive into Agentic AI” on 21 February 2026 at Sreepathy Institute of Management and Technology, Thrissur. Led by Dr. Balamurali A. R., Co-Founder of AI Kyro, the seminar provided insights into the architecture, decision-making, and real-world applications of agentic AI. The programme enhanced participants' understanding of emerging AI technologies and encouraged further exploration of advanced AI concepts.

NPTEL

Ms. Thulasi Rajan K (Asst Prof, CSE Dept) has secured an Elite certification in the NPTEL course “Programming in Java”, offered by the Indian Institute of Technology (IIT) Kharagpur under the Ministry of Education, Government of India.

The Department of Computer Science and Engineering proudly congratulates Ms. Delmy David V and Ms. Anjana B, Assistant Professors, for successfully completing the NPTEL Online Certification course “Fundamental Algorithms: Design and Analysis” with Elite Silver status. This achievement reflects their commitment to continuous learning, technical excellence, and quality teaching.

The Department of Computer Science and Engineering proudly congratulates Dr. Sajay K. R., HoD (I/c), for earning Elite Certification in the NPTEL course “Software Conceptual Design” offered by IIT Bombay. He also successfully completed the NPTEL course “Software Project Management” offered by IIT Kharagpur, reflecting his commitment to continuous professional development and academic excellence.

The Department of Computer Science and Engineering proudly congratulates Ms. Umasree A. K., Dr. Shameem S., Ms. Ramya Raj K. P., Mr. Muhammad Alishihab V. S., Ms. Jitha P. V., and Ms. Nikhitha C. Balan for successfully completing various NPTEL Online Certification Courses in areas such as Machine Learning, Database Systems, Large Language Models, Software Testing, Soft Computing, Programming in C, and Embedded Systems. Their achievements reflect the department's commitment to continuous professional development, emerging technologies, and excellence in teaching and research.

The Department of Computer Science and Engineering proudly congratulates Ms. Soumya C. J., Ms. Umasree A. K., Ms. Nikhitha C. Balan, and Ms. Remya Krishna J. S., Assistant Professors, for successfully completing NPTEL Online Certification Courses. Their certifications include Database Management System, Foundations of Deep Learning: Concepts and Applications, Sensors and Actuators, and Introduction to Internet of Things, respectively. These achievements reflect the department's commitment to continuous professional development, emerging technologies, and excellence in teaching and research.

The Department of Computer Science and Engineering proudly congratulates Ms. Anitha L., Assistant Professor (Selection Grade), for achieving Elite Gold status (Top 1%) in the NPTEL course "Education for Sustainable Development", securing a perfect 100% score. This outstanding achievement reflects her commitment to continuous learning, academic excellence, and professional development.

STAFF ACHIEVEMENTS

The Department of Computer Science and Engineering proudly congratulates **Dr. Sivadasan E. T., Professor**, for serving as a reviewer for the International Conference on AI-Driven Solutions for Sustainable Smart Cities (ADSSSC 2026). His contribution to the peer-review process reflects the department's active involvement in the international research community and commitment to academic excellence.

The Department of Computer Science and Engineering organized a two-day workshop on "Software Testing: Katalon Studio and Selenium" at LEAD College (Autonomous) on 25–26 April 2026. The programme was conducted by **Dr. Arjun K. P., Associate Professor**, CSE Department, and provided hands-on training to 64 MCA students on software testing, Selenium WebDriver, Katalon Studio, test automation, and quality assurance practices. The workshop enhanced participants' technical skills, practical knowledge, and industry readiness.

The Department of Computer Science and Engineering proudly congratulates **Dr. Joycy K. Antony, Associate Professor**, on the publication of the edited book chapter

“Artificial Intelligence and Machine Learning: Emerging Trends, Innovations and Future Challenges.” This scholarly contribution highlights recent advancements, innovations, and future challenges in AI and Machine Learning, reflecting the department’s commitment to research excellence and knowledge creation.

The Department of Computer Science and Engineering proudly congratulates Dr. Sivadasan E. T., Professor, for serving as a Session Chair at the International Conference on Smart Electronic Devices & Intelligent Systems (ICSREDIS 2026) held on 13 April 2026 at Royal College of Engineering and Technology, Thrissur. His appointment reflects his academic expertise and enhances the department’s reputation in the national and international research community.

The Department of Computer Science and Engineering proudly congratulates Dr. Sanaj M. S., Professor, and Ms. Remya K. R., Assistant Professor, for their contribution to the Indian Design Patent “Solar-Based Animal Intrusion Detection Device for Homes” (Application No. 484885-001). The patented design offers an eco-friendly, solar-powered solution for detecting and deterring animal intrusion, reflecting the department’s commitment to innovation, research, and practical technological solutions.

The Department of Computer Science and Engineering proudly congratulates Dr. Sanaj M. S., Professor, on the publication of his research paper, “Energy-Efficient Task Scheduling in Cloud Computing with EcoTaskOpt: A Hybrid Ant Colony and Particle Swarm Optimization Approach,” in the International Journal of Computational Intelligence Systems (Springer SCIE Q2). The research proposes an innovative hybrid optimization framework for improving energy efficiency in cloud computing, reflecting the department’s commitment to high-quality research and sustainable technological innovation.

STUDENT ACHIEVEMENTS

TOPPERS

S7 9.0+SGPA



Dhrishya Anil



Aljin Joby



Afsal Ahamed



Nimisha Boban



Lakshmi M S



Meenakshi M



Thushar
Reginold



Nandhana
Sajeesh



Sreenandhana
C S



Teresa Benny



Monal
Surendran



Nice Rose C J



Jyothika
Sreevalsan



Manasa



Sidhin
chandran



Vasisht
Nirmal



Fathima Nasrin Akshaya Sanoj

Adithyan M S

Nived
Krishna A

Kiran
Krishnan V

Milan Raj C

Navaneeth
Krishna

Parthiv
Dinesh



Amitha M S

Arya T S

Rithu Mary
Varghese

S5 9.0+SGPA



Alokh M K

Anuja Raj

Anagha Ramesh

S3 9.0+SGPA



Saneesh
Kumar S

Bhoomika K B

Roshni K
Kamath

Aysha Shafeek
M M

Gokul N R

Aneeta Babu

Ashly P G

Amal M K



Gyanish
Murali

Ardhra K Manoj

Adhithya K S

Amrutha
Krishnan

Sreegovind P

Kamal
Nayan M S

Pavithra M G

S1 9.0+SGPA



Asmi
Kamarudheen

Sana Rasheed
Valiyakath

Ragendhu A R

Shahana A

Shreya
Vijeeth

Gouri I S

Swetha P B

Pranav M S



Nirupama V

Viswajith V K

Ambili K A

Aryanandha E P

Megha C N Mohammed Irfan

Anet Sunny

S8 9.0+SGPA



Aljin Joby

Swathi K
Santhosh

Teresa Benny

Arya T S

Aswathy E S

Nimisha Boban

Nandhana
Sajeesh

Fathima
Nasrin T N



**Afsal
Ahamed Y A**



Lakshmi M S



Meenakshi M



**Nice Rose C J
Sidhinchandran
C S**



Amitha M S

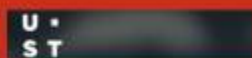


Ananya N



Aswin P. Prakash

PLACEMENTS



**Amith
Krishna K**



Adithyan MS



**Afsal
Ahamed Y A**



Gokul K



Binil Babu P



Sarathkumar K



Karthik H



Aljin Joby



Meenakshi M



Frijo Antony C F



Nice Rose C J



Gokul K



**Abhinav
Ramesh**



Parthiv Dinesh

INTERNSHIPS



Meenakshi M Nripendra T R

The Department of Computer Science and Engineering congratulates Chanjal Chandran and Liya S. Chittilappily (S6 CSE) for securing Second Prize at the “Build with AI” 8-Hour Hackathon. Their AI-powered Paddy Field Insect Detection System showcased innovation and technical excellence, bringing laurels to the department.

The Department of Computer Science and Engineering congratulates Binil Babu P., Darwin T. D., Vidhu Vishwak, Gokul K., and Navaneeth Krishna (S8 CSE) for successfully earning the Red Hat Certified System Administrator (RHCSA) certification, demonstrating their technical expertise in Linux system administration and commitment to professional excellence.

RESEARCH CONTRIBUTIONS

The Department of Computer Science and Engineering congratulates Sneshma, Aswathy K. S., Anusha Benny, and Ashlin Shajan (S7 CSE) for presenting their paper at ICMARD–2025 under the guidance of Ms. Gopika Binil, Assistant Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Nandhana M. J., Nakshathra P. S., Nandana M. B., and Sreekutty P. S. (S6 CSE) for presenting their research paper at ICACA 2026 under the guidance of Ms. Reshma V. M., Assistant Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Anusha Antony, Arya C., and Afroz K. S. (S6 CSE) for presenting their research paper at ICACA 2026 under the guidance of Ms. Nikhitha C. Balan, Assistant Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Sreya Sudheer, Suha I. A., Vismaya Harilal, and Sania Santhosh (S6 CSE) for presenting their research paper at ICACA 2026 under the guidance of Ms. Reshma V. M., Assistant Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Daya Rose Raphel, Harikrishnan K. J., Mohammed Azeem, and Darsana M. S. (S6 CSE) for presenting their research paper at the National Conference on Sustainable Futures under the guidance of Dr. Shameem S., Associate Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Alok M. K., Amrutha Lakshmy V. D., Aleena K. Davis, and Abdul Aziz M. M. (S6 CSE) for presenting their research paper at ICACA 2026 under the guidance of Ms. Anjana B., Assistant Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Ms. Anitha A. S., Assistant Professor, and Mithra Jayapal, Theresa V. Cherian, Manasa, and Rithu Mary Varghese (S8 CSE) for publishing their research paper in the International Journal of Innovative Research in Technology (IJIRT). Their achievement reflects the department's commitment to research, innovation, and healthcare technology.

The Department of Computer Science and Engineering congratulates Aivin J. Chiramal, Diya Mariya Shibu, Antonio Joseph, and Abhijith N. (S7 CSE) for presenting their project paper at ICMARD–2025 under the guidance of Dr. Shameem S., Associate Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Megha V. Nair, Ananya N., and Adith C. S. (S8 CSE) for presenting their research paper at ICACA 2026 under the guidance of Dr. Sanaj M. S., Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Sidhinchandran C. S., Nived Krishna A., Karthik H., and Mohammed Rishal K. (S8 CSE) for publishing their research paper in the International Journal of Innovative Research in Technology (IJIRT) under the guidance of Ms. Ramya Raj K. P., Assistant Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Abhinav Shibukumar, Akshaya Sanoj, Anagha K. Sudharsanan, and Aswanand P. S. (S8 CSE) for presenting their research paper at NCAICC 2026 under the guidance of Ms. Jucy Vareed, Assistant Professor (Senior Grade), CSE Department.

The Department of Computer Science and Engineering congratulates Binil Babu P., Angel V. J., Anitta Antony, and Anamika V. P. (S7 CSE) for presenting their research paper at ICMARD–2025 under the guidance of Ms. Anitha L., Assistant Professor (Selection Grade), CSE Department.

The Department of Computer Science and Engineering congratulates Dhrishya, Anupama Vinod, Aswathy E. S., and Amal K. M. (S7 CSE) for presenting their research paper at ICMARD–2025 under the guidance of Ms. Prajitha M. V., Assistant Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Faadil Abdulla, Arun Shaju, Abhijith K. Gireesh, and Brahmadhathan P. J. (S7 CSE) for presenting their research paper, “A Review of Apex Cric: A Personal Cricket Coaching System,” at ICMARD–2025 under the guidance of Ms. Prajitha M. V., Assistant Professor (Selection Grade), CSE Department.

The Department of Computer Science and Engineering congratulates Abhinav Ramesh, Aljin Joby, Amitha M. S., and Britto Benny (S8 CSE) for publishing their paper, “EduFlow: Automated Lesson Plan Generator,” at NCAICC 2026 under the guidance of Ms. Mithu Varghese, Assistant Professor, CSE Department.

The Department of Computer Science and Engineering congratulates Aarcha Sidharthan, Adithya V., Arjun S., and Darwin T. D. (S8 CSE) for publishing their paper, “ScheduLit: Algorithmic Timetable Scheduler,” at NCAICC 2026 under the guidance of Ms. Remya K. R., Assistant Professor, CSE Department.

CLUBS AND PROFESSIONAL SOCIETY ACTIVITIES

MERIT DAY

The Department of Computer Science and Engineering organized Merit Day 2026 on 01 April 2026 to honor students for their achievements in academics, placements, research, certifications, innovation, sports, and extracurricular activities. The programme featured a Peer Expert Talk and an award ceremony recognizing academic toppers, placed students, competition winners, and recipients of special departmental honors, inspiring students to strive for excellence.



TECHNICAL AND CULTURAL ACTIVITIES

FAREWELL

The Department of Computer Science and Engineering organized a Farewell Programme to bid a warm and memorable farewell to the outgoing S8 students. The event celebrated their academic journey, achievements, and valuable contributions to the department through a variety of cultural performances, interactive activities, and heartfelt messages from faculty members and juniors. The programme provided an opportunity to cherish shared memories, express gratitude, and wish the graduating students success in their higher studies, careers, and future endeavors, making it a memorable occasion for all.



COLLEGE DAY

The students of the Department of Computer Science and Engineering actively participated in VIHAARA 2026, the Annual Day celebration of Vidya Academy of Science and Technology, held on 26 March 2026 under the theme “Our Vidya, Our Pride.” CSE students showcased their talents through vibrant cultural performances and were recognized for their outstanding achievements in academics, research, innovation, placements, sports, and national-level competitions. The celebrations featured an exciting fashion walk showcasing Kerala’s traditional attire, an energetic DJ performance by JAAZ BAAZ, and concluded with a spectacular live musical concert by renowned playback singer M. G. Sreekumar, making the event a memorable celebration of talent, creativity, and campus spirit.



EDITORIAL BOARD

ADVISOR



Dr SAJAY K R
HOD,CSE

STAFF EDITOR



MITHU VARGHEESE
ASST. PROF CSE

DESIGNER



GOKUL K
S8 CSE B

DESIGNER



YADHUKRISHNAN
S8 CSE B

DESIGNER



ROSHNI K KAMATH
S4 CSE C

EDITOR



JYOTHIKA SREEVALSAN
S8 CSE B

EDITOR



DRISHYA ANIL
S8 CSE B



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

