



VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2025-2026

ISSUE:9

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)

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

PO3: 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)

PO4: 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).

PO5: 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)

PO6: 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).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader diverse /multi-disciplinary teams.

PO9: 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

PO10: Project Management and Finance: Apply knowledge and under-

standing of engineering in management principles and economic decision-making and apply and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: 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. (WKs)

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.

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.

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 established in the year 2003 with the commencement of a B.Tech. programme in CSE. Department currently offers 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 embellish their knowledge and skills to achieve goals. their long term

ACADEMIC ACTIVITIES

ALUMNI INTERACTION

CSE Dept organizes Alumni Webtalk on “**Designing the Future**”
The Department of CSE, Vidya Academy of Science and Technology, conducted an Alumni Webtalk titled “Designing the Future” on August 8, 2025. Alumnus Mr. Nikhil Mukundan shared insights on emerging web technologies and career opportunities, inspiring students to innovate.

Experience Sharing Session by Placed Student at Poornam Infovision
An Experience Sharing Session was conducted online on 14th October 2025 for CSE students, led by Ms. Sreelakshmi VB, a placed student at Poornam Infovision.

She shared insights on interview preparation, core CS fundamentals, Linux skills, and project experience. The interactive session motivated students with practical guidance for placements and professional development.

MOU

Vidya Academy of Science & Technology signed an MoU with AI Kyro Startup Studio on 4 August 2025 to strengthen industry-academia collaboration.

-The partnership offers internships and real-time projects for students and faculty, promoting innovation and skill development in AI-driven software engineering.

External interaction

The AI Summit 2025, held at GEC Thrissur on 27 September 2025, focused on “Transforming Cultural Capital to AI Capital” and highlighted India’s vision for sovereign AI. Key sessions led by Prof. Mitesh Khapra (IIT Madras, AI4Bharat) and expert panels discussed Indian LLMs, RAG, ethical AI, and industry adoption. The summit emphasized strong academia-industry collaboration, with participation from leading organizations, marking a step toward India’s leadership in responsible AI.



WORKSHOPS CONDUCTED

1) The Department of CSE, Vidya Academy of Science & Technology, conducted a one-day workshop "NEXTGEN CREATORS – Power of AI in Your Hands" on 26 July 2025 for Plus Two students. The session introduced AI fundamentals, tools, and block-based coding through hands-on activities, and was led by Ms. Jucy Vareed, Assistant Professor, CSE.



2) As part of VIBE-2026, the Department of CSE conducted an outreach session titled "AI Knows You Better Than You Know Yourself – Think Before You Scroll" on 30 October 2025 at St. Thomas HSS, Vallachira. Handled by Ms. Jucy Vareed, the session created awareness on AI's influence on digital behavior, social media usage, and responsible technology practices, and was well received by students and teachers alike.

3) The Department of CSE organized an interactive hardware workshop "INSIDE THE MACHINE" on 10 November 2025 at VAST for 51 Plus Two students from St. Thomas HSS, Vallachira. The session provided hands-on experience in identifying and assembling computer hardware components, guided by CSE faculty and technical staff.



4) The Department of CSE, Vidya Academy of Science & Technology, conducted an online workshop "Building Java Apps – Swing & JDBC" on 04 October 2025 via Zoom. The session, led by Mr. Shanavas R. S, Associate Engineer at Litmus7, focused on Java Swing, JDBC integration, and MVC architecture, providing students with hands-on experience in desktop application development.



5) The Department of CSE, in association with the Department of ECE, conducted a one-day workshop "ROBOINTELLIX – Robotics Meets Intelligent Systems" on 15 October 2025 at VAST for 35 Plus Two students from ICAEHS, Vadakkekad. The session provided hands-on exposure to Arduino-based robotics, sensor interfacing, and basic automation, fostering interest in intelligent systems and STEM education.

FACULTY DEVELOPMENT AND ACHIEVEMENTS

FDP ATTENDED

ATAL FDP

Faculty members of the CSE Department, Vidya Academy of Science and Technology—Mithu Varghese, Remya Krishna J S, Jitha P V, Mrithu A S, Neethu C S, Remya K R, Dr. Sivadasan E T, Gopika Binil, Muhammad Alishihab VS, Soumya C J, Nikhitha C Balan, Umasree A K, Anitha L., Thulasi Rajan K, Prajitha M V, Rejusha T R, Neethu George, Dr. Shameem S, and Anitha A S—successfully completed the AICTE–ATAL Academy FDP on “NextGen AI Training: Models, Methods and Machines”.

The programme was conducted by Rajiv Gandhi Institute of Technology, Kottayam, from August 18 to 23, 2025, enhancing faculty expertise in advanced AI technologies.

PALS FDP

Ms. Thulasi Rajan K, faculty of the CSE Department at VAST, successfully completed a three-day FDP titled “How Teachers Can Make a Difference”, organized by TLC, IIT Madras, from November 06–08, 2025. The program focused on modern pedagogical strategies and innovative teaching methodologies.

NPTEL

Ms. Remya K R, Assistant Professor, has successfully cleared and earned the certification for the NPTEL course on “Theory of Computation”. The course was offered by the prestigious Indian Institute of Technology Kanpur (IIT Kanpur).

Dr . Shameem S Associate Professor, has successfully cleared and earned the Elite certification for the NPTEL course on Technical Communication for Engineers. The course was offered by the prestigious Indian Institute of Technology Roorkee (IIT Roorkee).

Ms. Sreekala R, Assistant Professor, Department of Computer Science and Engineering, has successfully completed and earned the Elite certification for the NPTEL course on “Introduction to Operating Systems.” The course was offered by the prestigious Indian Institute of Technology Madras (IIT Madras) under the NPTEL Online Certification Program funded by the Ministry Of Education, Government of India

Rebitha K. R., Assistant Professor in the Department of Computer Science and Engineering, have successfully completed two NPTEL online certification courses titled “SoftwareEngineering.

Rebitha K. R., Assistant Professor in the Department of Computer Science and Engineering, have successfully completed two NPTEL online certification courses Titled “Fundamentals of ArtificialIntelligence.”

Dr. Sivadasan E T, Professor of Computer Science and Engineering, has completed the 12-week Deep Learning course by IIT Ropar through NPTEL, achieving Top 2% performance with Elite+Gold certification

Prajitha M V, Assistant Professor in the Department of Computer Science and Engineering, have successfully completed Coursera Course on Google Data Analytics.

STAFF ACHIEVEMENTS

Dr. Sanaj M S, Professor (CSE), has co-authored the book “Cloud Computing Techniques” (ISBN: 978-93-6940-575-6), a useful academic resource for UG and PG Cloud Computing courses. The author gratefully acknowledges the support of the Institution’s Management , Director , Principal , faculty , staff and students.

Dr. Sanaj M S, Professor (CSE), VAST Thrissur, served as a peer reviewer for two manuscripts submitted to the Springer Nature Journal on Cluster Computing in 2025, contributing expert insights in Nature Inspired Computing.

Dr. Shameem S, Associate Professor (CSE), VAST Thrissur, served as a peer reviewer for ICRM 2025 (Nov 7–8, 2025, Amrita Vishwa Vidyapeetham) and AIKP 2025 (Oct 23–25, 2025), hosted by Woxen University, Hyderabad, with international partners.

Dr. Jency Babu, Research Scholar at Noorul Islam Centre for Higher Education, Kumaracoil, submitted her Ph.D. thesis titled “Lightweight Signature Based Capability Using Named Data Networking” on 6 June 2025 under the guidance of Dr. M. Victor Jose and has fulfilled all the requirements for the award of the Ph.d degree.

Dr. Sivadasan E T, Research Scholar at Karpagam Academy of Higher Education, Coimbatore, submitted his Ph.D. thesis titled “Deep Learning Recurring Neural Networks- Long Short Term Memory and Gated Recurring Units for data prediction of Complex, Volatile and Large Time Sequence Data Models” on 20 December 2024 under the guidance of Dr. M. N Mohana Sundaram. He has fulfilled all requirements for the award of the Ph.D. degree.

STUDENT ACHIEVEMENT

TOPPERS

S6 9.0+ SGPA

S4 9.0+ SGPA



S2 9.0+ SGPA



INTERNSHIPS

CODETANTRA



One of our student teams from the Department of Computer Science & Engineering has been shortlisted for the Grand Finale of the Smart India Hackathon (SIH) 2025 under the Problem Statement PS ID: SIH25139 – AICTE, MIC – Student Innovation. The selected team, Team ArcNet, will be competing with their project titled “Disaster-Resilient Offline Communication System using Mesh Networks.”

Team Members:

Gokul K – S7 CSE B

Vidhu Vishwak – S7 CSE B

Vipul Vijay – S7 CSE B

Yadhukrishnan K M – S7 CSE B

Aysha Shafeek M M – S3 CSE B

Devinandha V R – S3 CSE B

PLACEMENTS



RESEARCH CONTRIBUTIONS

1. **Mr. Pavan Pradosh K, Mr. Vidhu Vishwak, Mr. Mahadevan, and Mr. Yadukrishnan K M (S7 CSE B), along with Ms. Ramya Raj K P (Faculty, CSE),** presented the paper “Automated Nutritional Analysis Through Food Image Processing – EATFIT” at ICST’25, held on 7–8 August 2025 at Sreepathy Institute of Management & Technology, Palakkad.
2. **Dr. Shameem S, Nimisha Boban, Meenakshi M, Monal Surendran, and Sreenandhana C S** presented the paper “Real Time Activity Recognition Using IoT Sensors in Smart Home” at the International Conference on Emerging Trends on Applied Science, Management and Technology, held on 31 July – 1 August 2025 at Adi Shankara Institute of Engineering and Technology, Kalady.
3. **Ms. Rebitha K R (Assistant Professor, CSE), along with S7 CSE B students Nice Rose C J, Sreelakshmi N S, Mohammed Ishfaq Abdul Rahim, and Sooraj K P,** published the paper “Privacy Policy Defender: AI Incorporated Privacy Policy Analyzer Tool” in IJIRT, Volume 12, Issue 4, September 2025.
4. **Teresa Benny, Nived Krishna A, Thwayyiba P A, and Saarang Naduvilatethil Sunil, along with Ms. Ramya Raj K P (Faculty, CSE),** published the paper –“Precipitation Analysis Using Machine Learning” in IJIRT, Volume 12, Issue 4, September 2025.

NPTEL

The listed students From S6 have successfully completed NPTEL courses Nandhana K (Power Protection and Switchgear), Sreyas Linith (Power System Protection and Switchgear), Sandra Pallikudath Bijukumar (Introduction to Machine Learning), Sreelakshmi V A (Data Structure and Algorithm Design), Sreya Sudheer (Introduction to Industry 4.0 and Industrial Internet of Things), and Sathsree Hari (Fabrication Techniques for MEMS-based Sensors–Clinical Perspective, Programming in Java, and Introduction to Machine Learning).

The listed students From S8 have successfully completed NPTEL courses with Meenakshi M, Swathi K Santhosh, Nimisha Boban, and Jyothika Sreevalsan completing Reinforcement Learning, and Hima Mariya T completing Operating System Fundamentals.

The listed students From S6 have successfully completed NPTEL courses Adithya K Sreedharan, Adithyaraj T, Afreen Akbar Ali, Ahammed Sinan, Archana AD, Anusha Antony, Ann Mariya Eldhose, Ankitha Ramachandran, Anagha VS, Anagha Ramesh K, Alokh MK, Akshaya K, Aiswarya Lakshmi CJ and Anjana Unni completing Introduction to Machine Learning.

The following students have successfully completed NPTEL courses: Amith Krishna K, Anna Rose, Aswathy ES, Athira Santosh and Dhrishya Anil.

CLUBS AND PROFESSIONAL SOCIETY ACTIVITIES

ASSOCIATION DAY

The CSE Department Association Day was celebrated on 17 September 2025 with great enthusiasm. The event was marked by vibrant dance performances and joyful celebrations, creating a lively and memorable atmosphere for students and faculty alike.



TECHNICAL AND CULTURAL ACTIVITIES

ONAM

The Vidya campus celebrated Onam 2025 on 27 August 2025 with vibrant cultural programs reflecting unity and tradition. The Department of Computer Science and Engineering (CSE) presented "OLAM," creatively showcasing Kerala's heritage through innovative and engaging cultural performances, highlighting the department's spirit of tradition, creativity, and togetherness.

TECH FEST

The Computer Science and Engineering Department of Vidya Academy of Science and Technology conducted a two-day tech fest named "Vyvidh 25" on September 26th and 27th, 2025. The event aimed to provide a platform for engineering students from various institutions to showcase their technical skills and knowledge.

The tech fest featured a wide range of technical and non-technical activities. The main attraction of the event was the Destroy The Decibel - Battle of Exhausts. The entire institution was being electrified by the event as a number of cars came



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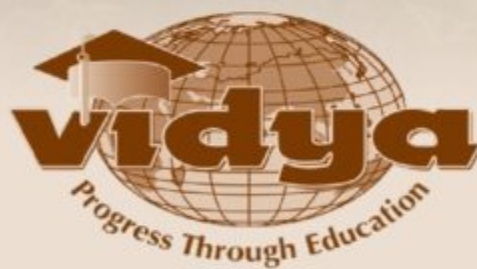


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