



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by the AICTE, New Delhi - Affiliated to Pondicherry University
Accredited by NAAC WITH 'A' Grade and NBA (National Board of Accreditation)
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Greeting from
Department of Computer Science and Engineering

CAPTCHA



CSE NEWSLETTER

EDUCATE

EMPOWER

EXCEL

INTRODUCTION

It is with immense pleasure and proud, we are releasing the Third Issue of our department newsletter. This newsletter serves as a better forum and platform for showcasing the talents and achievements of both faculty and students. It carries the daily activities, news and important updates of the department. We assure you that this newsletter will be a new of its kind which portrays the growth of the CSE department in various fields.

ABOUT THE DEPARTMENT

The Department was started with an intake of 60 students in 2008; the sanctioned intake was increased to 120 seats in 2010; and it was increased to 240 seats in 2025. The Department of Computer Science and Engineering has been continuously making progress in Teaching and R & D activities. The Department focuses on preparing the students for wide range of IT careers equipping them with unique enriching experience of molding tomorrow's technocrats with high caliber and commitment.

The Department is well equipped with 180 Computer Systems with latest configuration and also has a separate Department Library with the Latest Titles, Editions, Journals, and Magazines and also connected with Internet Facility. The Department organizes Seminars, Workshops and Guest lecturers to enhance the Technical Skills of the students, so that they can face global competition.

The Department has entered into MoU with IBM NIIT, CMC, Blue Lotus, RIPE, Innovative Services for software training and Faculty Development Programs, besides R&D activities. The Students of the Department have brought out quite number of innovative projects such as Biometrics, MANET etc. The software team of the Department has made laudable contribution by developing software for campus management, attendance help line and on-line test. Many of the students are well placed in leading software companies such as TCS, Infosys, WIPRO, etc.

In CSE Department, Post Graduate M.Tech Programme has been started from the year 2012 with an intake of 18 Students. In our first batch M.Tech Programme, all 18 Students have been passed in all the Subjects and they have produced 100 % results. In the CSE Department, a Department Internal Library is also functioning with 150 titles

INSTITUTE VISION MISSION

VISION

To be a globally reputed Technical Institution creating Competent leaders and Skillful innovators in Science, Technology and Management.

MISSION

Providing a dynamic and creative learning environment for its students to acquire exemplary technical, analytical, professional skills.

Imbibing a spirit of innovation and research among its students and faculty for solving critical problems.

Promoting Innovation, Employability and entrepreneurship skills through industry academia collaboration.

Serving the society through technical intervention and creating socially responsible Professionals.

To develop the overall personality of the students to mold them into good citizens with integrity and morality.

DEPARTMENT VISION AND MISSION

Vision of the Department:

To be a Centre of excellence in Computer Science and Engineering, nurturing innovative leaders equipped with global technological competencies

Mission of the Department:

M1: To provide excellence in computer science and engineering education through innovative teaching and industry-aligned curriculum.

M2: To nurture problem-solving capabilities and research competencies among students and faculty for addressing real-world computing challenges.

M3: To foster industry collaboration by establishing a centre of excellence in emerging computing technologies, driving innovation and entrepreneurship.

M4: To develop ethically computing professionals with leadership qualities, contribute to addressing societal challenges through technological innovations.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates of Computer Science and Engineering will

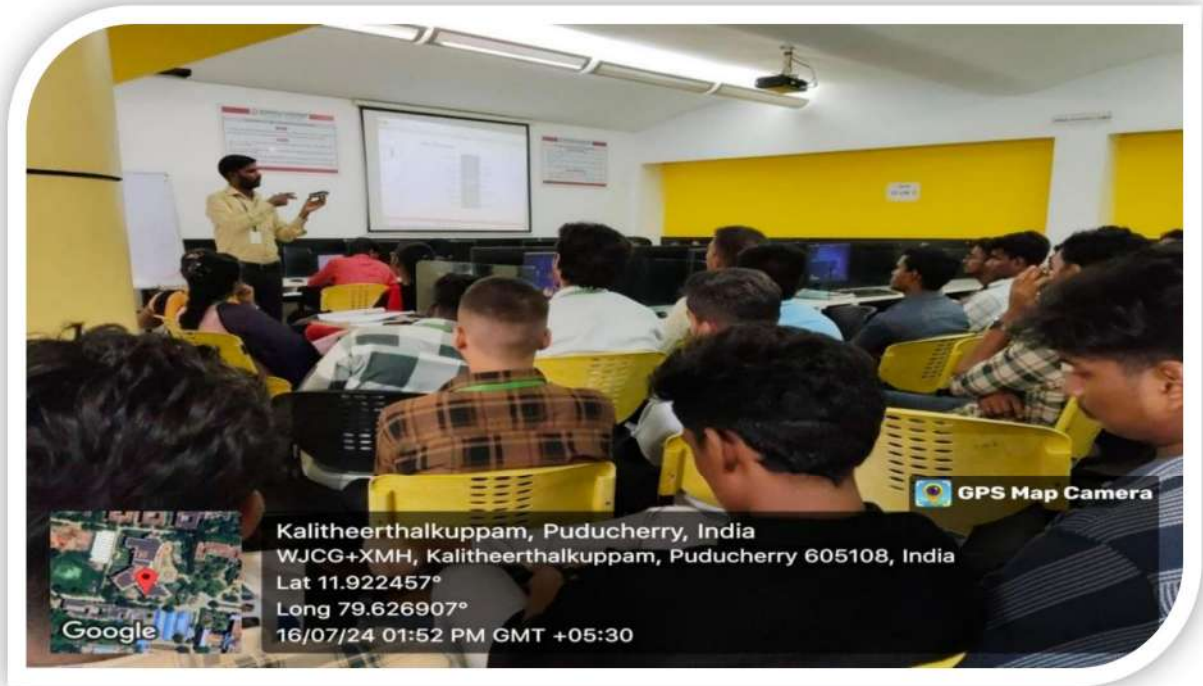
PEO1: Professional Excellence: Graduates will excel in the computing industry by exhibiting exemplary technical knowledge, analytical thinking, and imaginative problem-solving skills in emerging technologies

PEO2: Sustainable Technology: Graduates will develop and deploy innovative solutions that address environmental sustainability, community challenges, and industrial demands.

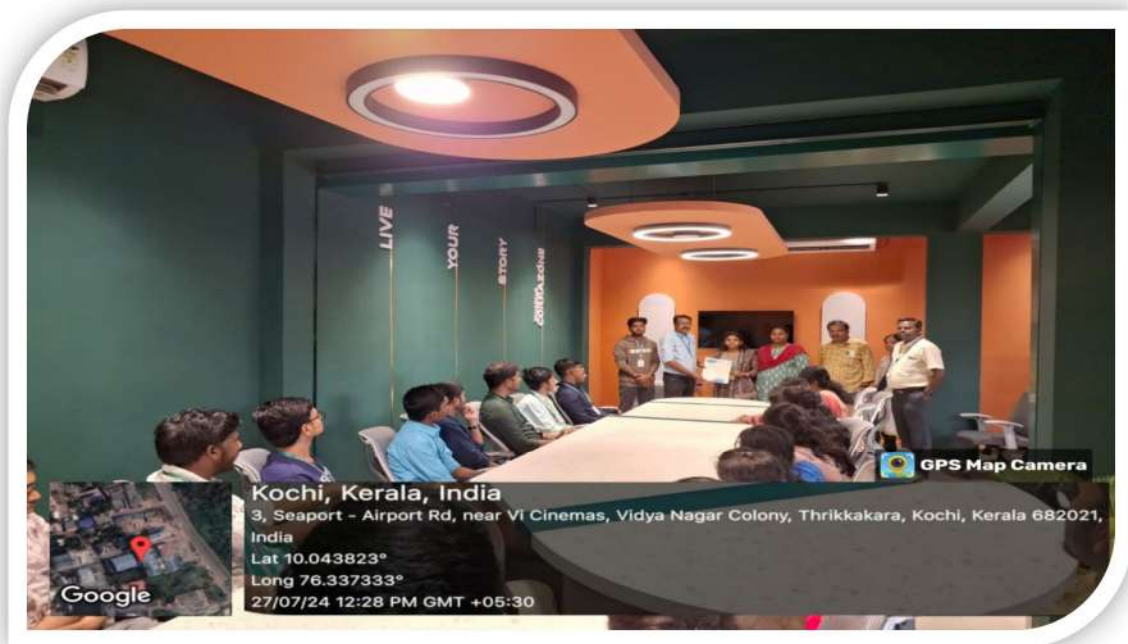
PEO3: Entrepreneurship: Graduates will develop and demonstrate entrepreneurial skills to create successful technology ventures and lead organizational transformation.

PEO4: Ethical Leadership: Graduates will demonstrate ethical leadership in computing environments, promoting mentorship, collaboration, and knowledge sharing.

DEPARTMENT ACTIVITIES



CSI Sponsored workshop on “IoT for Robotics” has conducted for II year students from 15th July 2024 to 22nd July 2024 by Dr.B.Ezhilavan, Founder & CEO, VEI Technologies, Chennai.



An Industrial Visit to Spectrum Soft Tech Solution and Nestsoft Technologies was organized for B.Tech CSE III year A & B section students on 26th and 27th July 2024.



A Quality Orientation Program on "Orientation Session on OBE and NEP 2020" was conducted for third-year CSE students on 29th July 2024 by Ms. I. Varalakshmi, AP/CSE.



A CSI-sponsored guest lecture on “Data Analysis using Oracle Database” by Mr. V. Thamizhselvan, Managing Director, Bot 2 do Technologies Pvt. Ltd., was conducted for III-year students on 31th July 2024.



QA Quality Improvement Program on "Ancient Culture, Heritage with Secret Decoding Techniques" by Ms. I. Varalakshmi, AP/CSE, and Mr. R. Sathish Kumar, AP/CSE, was conducted for third-year CSE students on 5th August 2024.



A Guest Lecture on "Cyber Security for IoT Devices" by Mr. S. Purushothaman, Cloud Administrator, 8-Queen Software Solutions Pvt. Ltd., Chennai, was conducted for III-year students on 14th August 2024.



A one-day research seminar on "Cybersafe in the Banking Sector" by Mr. Dhinesh, Chief Information Security Officer, Indian Bank, Global Support Service Ltd., Chennai, was organized for final-year students on 26th August 2024.



Research Workshop on "Modern Management Techniques and Tools" conducted by Mr.Vengadesh, Chief IT Manager, ICICI Bank, Chennai for the Second year students on 30th August 2024.

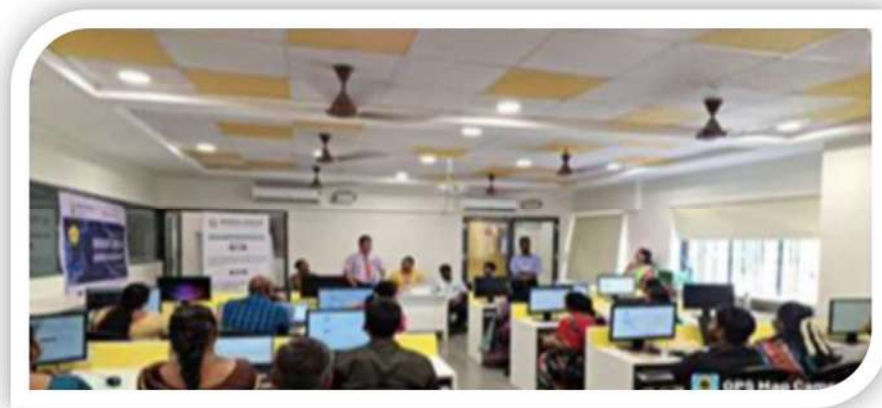


The Department organized a one-day workshop on "IPR and Patent Filing Procedures" by Dr. Jayakumar, JS-IP Design Solution, Madurai, for faculty members on 16th October 2024.

FACULTY ACTIVITIES

- **Ms. 1. Varalakshmi, Assistant Professor, CSE, published a journal article titled "Detection of Malware in PDFs Using Hybrid Algorithm" in the African Journal of Biological Sciences, June 2024.**
- **Mr. S. Balaji, Assistant Professor, CSE, published a journal article titled "Borehole Man-agement System Using IoT and Google API in the African Journal of Biological Sciences, June 2024.**
- **Ms. 1. Varalakshmi, Assistant Professor, CSE, published a journal article titled "A Novel Approach for Detection and Mitigation of Distributed Denial of Service Attacks in SDN-IoT Environment" in the African Journal of Biological Sciences, June 2024.**
- **Ms. R. Indumathi, Assistant Professor, CSE, published a journal article titled "Adaptive Dark Channel Prior Based Dehazing Algorithm with Semantic Optimization" in the African Journal of Biological Sciences, June 2024.**
- **Ms. 1. Varalakshmi, Assistant Professor, CSE, presented a research paper titled "EDDA: Entropy-Based Earlier Detection of Distributed Denial of Service Attack in SDN-IoT" at the International Conference IC3SEA, in July 2024 at Study World College of Engineering.**
- **Dr. S. Pariselvam, Professor & Head, CSE, presented a paper titled "Enhanced Early Par-kinson's Disease Detection Using ResNet-101 Based on MRI Images" at the IEEE Interna tional Conference on System Computation Automation and Networking (ICSCAN 24) on 28th and 29th December 2024.**
- **Dr. S. Pariselvam, Professor & Head, CSE, presented a paper titled "OptiFarm: An ANT Colony-Optimized Deep Learning System for Precision Crop Recommendations" at ICS-CAN 24 on 28th and 29th December 2024.**
- **Ms. I. Varalakshmi, Assistant Professor, CSE, presented a paper titled "Ransomware De-tection Using Quantum Neural Networks" at ICSCAN 24.**
- **Ms. G. Sharmila, Assistant Professor, CSE, and Ms . I. Varalakshmi, Assistant Professor, CSE, presented a paper titled "Attendance Management System Using Haar Cascades and MTCNN Algorithm" at ICSCAN 24.**
- **Mr. R. Sathishkumar, Assistant Professor, CSE, presented a paper titled "Multimodal Deep Learning for Precise Lung Pathology Discrimination" at ICSCAN 24.**
- **Mr. R. Sathishkumar, Assistant Professor, CSE, presented a paper titled "Enhancing Eye Health Diagnosis through Deep Transfer Learning: Unveiling Insights from Low-Quality Fundus Images at ICSCAN 24.**
- **Ms. D. Mohanapriya, Assistant Professor, CSE, and Ms. R. Indumathi, Assistant Profes-sor, CSE, presented a paper titled "Smart Travel Solutions Harnessing Artificial Intelligence for Optimal Route Efficiency at ICSCAN 24.**

- **Ms. R. Indumathi, Assistant Professor, CSE, presented a paper titled "Advanced Braille-Based Communication Using Assistive Technology" at ICSCAN 24. Mr. S. Balaji, Assistant Professor, CSE, presented a paper titled "Knee Osteoarthritis Based X-Ray Images Detection and Classification Using RCNN" at ICSCAN 24.**
- **Mr. S. Balaji, Assistant Professor, CSE, presented a paper titled "Blockchain and AI-Based Medical Record Analysis for Bone Fracture on Cloud Environment at ICS CAN 24.**
- **Ms. P. Suganya, Assistant Professor, CSE, and Ms. I. Varalakshmi, Assistant Professor, CSE, presented a paper titled "AMBU-BT: Effective Accident Preventive System Using IoT at ICSCAN 24.**
- **Mr. N. Arikaran, Assistant Professor, CSE, presented a paper titled Deep Learn Ing-Based Cervical Cancer Detection Using Hunter Prey Optimizer Algorithm" at ICS CAN 24.**
- **Mr. N. Artkaran, Assistant Professor, CSE, presented a paper titled "An Improved Multi-scale Faster R-CNN Based Lung Cancer Detection System" at ICSCAN 24.**
- **Mr. N. Arikaran, Assistant Professor, CSE, presented a paper taled "Tomato Leaves Dia ease Detection Using Gray Level Co-occurrence Matrix (GLCM) and Image Processing Techniques at ICSCAN 24.**
- **Mr. M. Invankhan, Assistant Professor, CSE, presented a paper titled "Blockchain Based Digital Forensic Data for Unbreakable Trust and Security at ICSCAN 24.**



The department organized a five-day faculty development program on "microsoft azure analyst and associate" conducted by mrs. Punitha, ict academy, for faculty members of all departments from 1st july 2024 to 5th july 2024



A five-day professional development program on "adbe indesign", by dr. N. Palanivel, associate professor/cse, was organized by the department for non-teaching faculty from 14th september 2024 to 18th september 2024.



A quality improvement programme on "quality usage proposal drafting" was delivered by dr. S. Parriselvam, hod/cse, mvit, puducherry, for cse faculty members on 3rd august 2024.



A quality improvement programme (qip) on "participatory teaching methods" was delivered by Mrs. R. Indumathi, ap/cse, mvit, puducherry, for cse faculty members on 22nd September 2024.



A speech and drawing competition on the "importance of education and literacy" was conducted at vaadanur govt. Higher secondary school on 26th september 2024, in celebration of international literacy day, to promote sdg goal 4 (quality education).

STUDENT ACTIVITIES

- Mr. Benny christian of iii year cse b won first prize in international chess day 2024 at mvit grandmaster chess tournament-2024 held on 30th august 2024.
- Ms. N. Nevedha of ii year cse a won third prize in international chess day 2024 at mvit grandmaster chess tournament-2024 held on 30th august 2024.
- Ms. Subikshaa of iii year cse a participated in red run marathon 2024 at kallitheerthalkuppam, puducherry, held on 28th august 2024.
- Ms. K. Nevedha of ii year cse a won second prize in international chess day 2024 at mvit grandmaster chess tournament-2024 held on 30th august 2024.
- Ms. E. Jayasri of ii year cse a won second prize in international chess day 2024 at mvit grandmaster chess tournament-2024 held on 30th august 2024.
- Ms. R. Yogashree of ii year cse a won second prize in international chess day 2024 at mvit grandmaster chess tournament-2024 held on 30th august 2024.
- Mr. M. Mohit roscen, mr. R. Sugumar, and mr. A. Vishwa from cse secured 3rd place in the paper presentation event at the technical symposium held at loyola-icam co-lege of engineering & technology, chennai, on 28th september 2024



A Speech and Drawing Competition on the "Importance of Education and Literacy" was conducted at Vaadanur Govt. Higher Secondary School on 26th September 2024, in celebration of International Literacy Day, to promote SDG Goal 4 (Quality Education).



Mr. Abineshwar V of III Year CSE B won First Prize in Logo Designing at SRM Institute of Science and Technology, Chennai, on 21 September 2024.



Mr. Mithun V, Mr. Ragounathe C.C., and Mr. Somnath R of III Year CSE B won Second Prize in Paper Presentation at Adhi College of Engineering and Technology on 20th September 2024.



Mr. Sarathi and Mr. Kaviarasu of III Year CSE won First Prize in the "Crypt Ur Mind" event held at Mailam Engineering College on 28th September 2024.



Mr. Mithun V, Mr. Ragounathe CC, and Mr. Somnath R of III Year CSE won First Prize in Paper Presentation and Finnix conducted by the Department of Computer Science at Gojan Institute of Business and Technology, Chennai, on 28th September 2024.



Mr. Mithun V of III Year CSE won Third Prize in Debugging conducted by the Department of Computer Science at Gojan Institute of Business and Technology, Chennai, on 28th September 2024.



Mr. Yuvaraja M, Mr. Harish M, and Mr. Sitharth S of III Year CSE won Second Prize in Innovators Day conducted by Sri Manakula Vinayagar Engineering College on 13th Sep-tember 2024.

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Dhilip. R- IV CSE A

Editor:

Adhithiya S- - III CSE A

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