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 NEWS LETTER

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. 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 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 the 18 Students have been passed in all the Subjects and they have produced 100 % results. In CSE Department, a Department Internal Library is also functioning with 150 titles.

INSTITUTE VISION MISSION VISION

To accomplish excellence in the field of technical education and scientific research on regional, National and International levels through committing to total quality for its faculty, providing excellent infrastructure, research facilities and conducive atmosphere that would motivate the students in the pursuit of knowledge in Engineering and Technology.

MISSION

IM1: To provide in depth knowledge in fundamentals to students to improve their learning and analytical skills.

IM2: To provide our students with the most progressive, relevant and well-rounded academic programs, supporting their learning through advanced and extensive resource

IM3: To promote interaction with industries and other institutes of higher learning to equip our

students to face the challenges on real time problems.

IM4: To develop the overall personality of the students to mould them into a good citizen with integrity and morality.

DEPARTMENT VISION AND MISSION

VISION

To impart knowledge with latest technological advancement in the field of Computer Science and Engineering and transform the learners into global contributors as Innovators, Entrepreneurs and Researchers.

MISSION

Department of Computer Science and Engineering is committed

Higher Order Thinking: To impart strong fundamental concepts, analytical and problem solving ability to hone their professional skills.

Continuous Learning: To create an excellent conducive atmosphere for student learning and continuous updation of their knowledge on technology.

Entrepreneurship: To imbibe the spirit of leadership skills to be an active entrepreneur in society with moral values.

Competency: To enhance the creativity in research and to develop the competency of the students in Technological field

PROGRAMME EDUCATIONAL OBJECTIVES

Graduates of Computer Science and Engineering will

PEO1: Employability: Our Graduates shall be suitably employed in allied industries/services with professional competency and knowledge of modern tools.
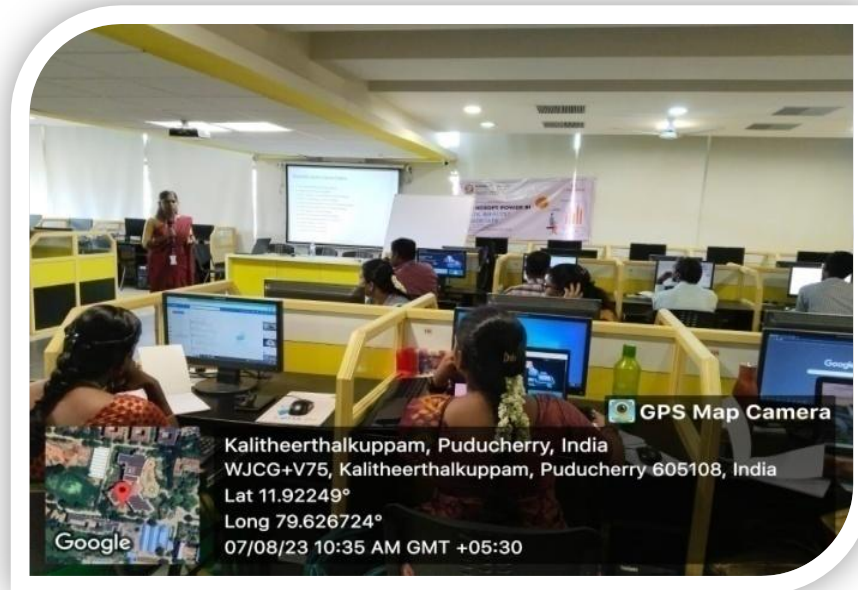
PEO2: Higher Education: Our Graduates shall be capable to pursue higher studies/research in the field of engineering and management.

PEO3: Entrepreneurship: Our Graduates shall be prepared for a successful career by meeting ever increasing demands required by Computer Science and Engineering profession and enable them to become an entrepreneur.
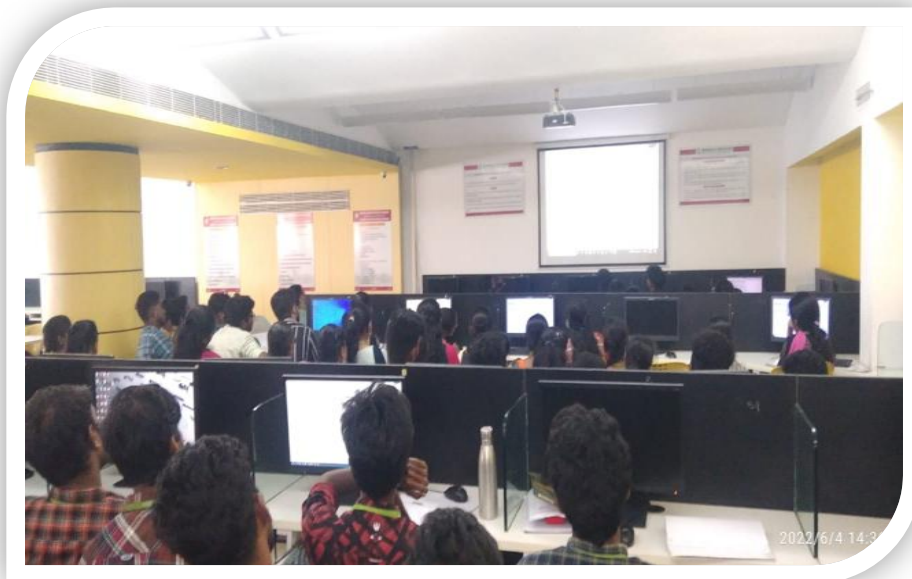
PEO4: Ethical: Our Graduates cultivate professional and ethical attitudes with effective communication skills, team work and multidisciplinary approach related to engineering issues.

DEPARTMENT ACTIVITIES

➢ Five days Professional Development Program organized on PowerBI Data Analyst Associate in association with ICTACT academy for the faculty members by Ms.Punitha, ICT Academy from 7th August to 11th August 2023.

➢ Workshop conducted on Writing research paper and to select Innovative project for Final year Students by Dr.N.Palanivel, Assoc.Prof, Department of CSE, MIT on 23rd August 2023.
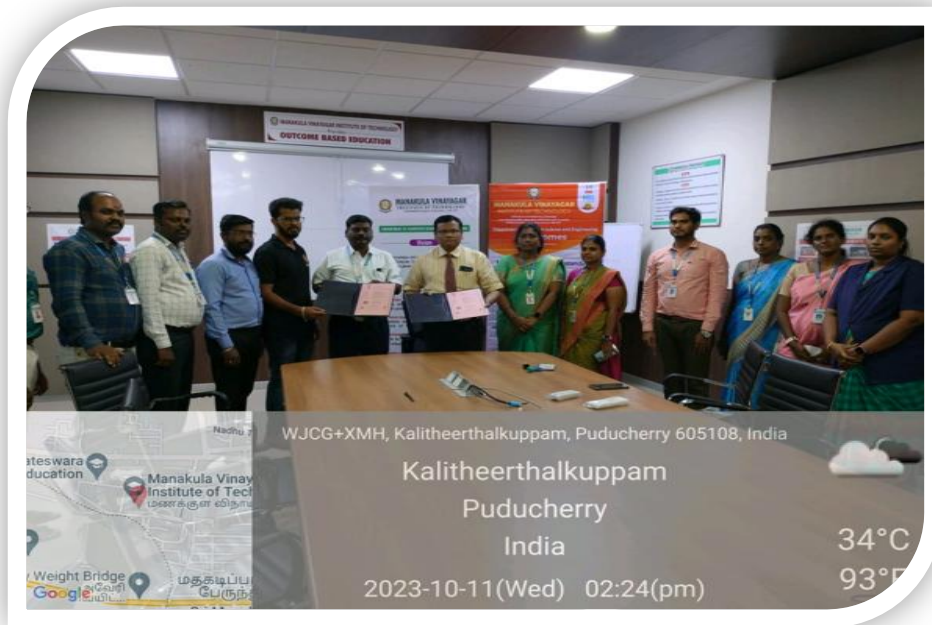
➢ IEEE sponsored Guest lecture conducted on 3D Modelling for the Third year students by Dr.B.Ezhilavan, CEO, VEI Technologies, Chennai on 30th September 2023.

➢ Workshop conducted on IT Basics for start ups and small Business for Final year students by Mr.Abdulla, Karki Mobility Services Pvt Ltd, Chennai on 11th October 2023.
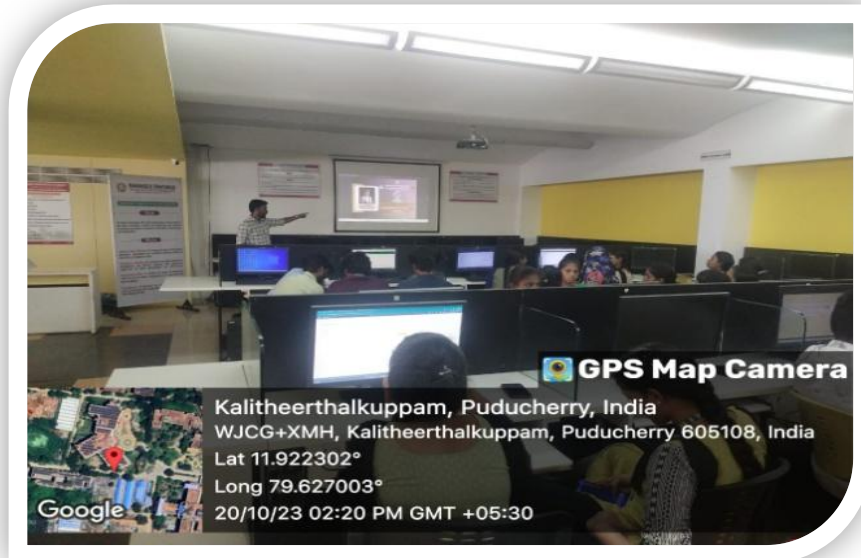
➢ Signed MoU with Karki Mobility Services Pvt., Ltd, Chennai on 11th October 2023.
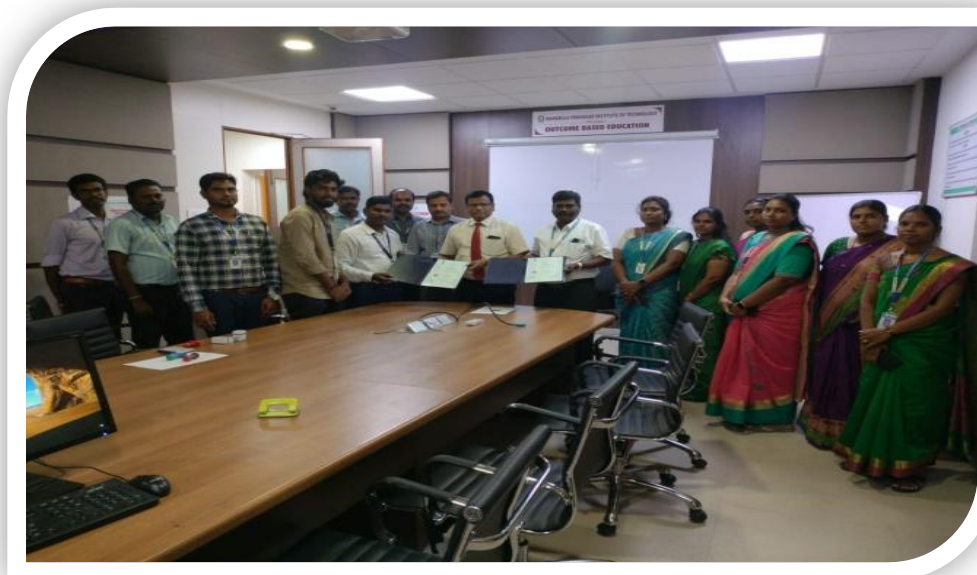

➢ Workshop conducted on IPR Awareness for Final year students by Dr.Jayakumar, JS-IP Design Solutions, Madurai on 17th October 2023.

- Two days CSI sponsored workshop on Research methodologies for Data Engineering in Server less environment for Third year Students by Mr.Prem Kumar, Technology consultant, Virtusa. from 20th October to 21st October 2023.

- CSI Sponsored two days workshop conducted on The AI revolution in Mobile Apps and Services for Third year students by Mr. E.Vimalraj, MD, 8 Queen Software Technological Pvt, Ltd, Chennai from 27th October to 28th October 2023.
- Signed MoU with 8Queens Software Solutions Pvt., Ltd, Chennai on 27th October 2023.

- Quality Improvement Program conducted on Modern Technical Quality Tools by Mr.Lokesh, Software Engineer –II, Atlassian for Dreams students on 4th November 2023.
- Quality Improvement Program conducted on Quality Structural Transformation in NEP by Dr.S.Govardhan, Prof & Dean, Dhanalakshmi Srinivasan college of Engineering and Technology for faculty members on 9th November 2023.

- Organized Sustainable Development goal activity on clean water and Sanitization by Ms. Subbulakshmi, Senior Resident, SMVMCH, Pondicherry on 18th December 2023.

FACULTY ACTIVITIES

➢ Dr.S.Pariselvam, Prof/CSE has received award for Academic and professional excellence in Fellowship-2023 by GRF International Awards and Honors, Indonesia.

➢ Mrs.I.Varalakshmi,AP/CSE has received honorarium for coordinating the Women Empowerment training cum placement program by DXC technology and ICTACT academy from May 2022 to August 2023

- Mr. R.Sathish kumar AP/CSE, has received honorarium for Cyber Security training organized by ICTACT from 7th November to 16th November 2023.

- Mr. Balaji S AP/CSE Presented a Paper Titled" Detection and Classification of Neuro-degenerative Disease via EfficientNetB7" International conference MRCN 23 (SPRINGER-SCOPUS INDEXED) AUG 2023.

- Mr. R. Sathish kumar AP/CSE Presented a Paper Titled" Hate Speech Detection in Social Media using Ensemble method in Classifiers" International conference MRCN 23 (SPRINGER- SCOPUS INDEXED) AUG 2023.

- Dr.S.Pariselvam, Prof, Ms.I.Varalakshmi, AP/CSE and Mr.R.Rajbharath,AP/CSE have appreciated by the chairman of Board of Studies, CSE Department for the involvement of Syllabus and curriculum revision (B.Tech CSE) based on AICTE-NEP'20.

- Dr.S.Pariselvam, Mr. Saravanan C; Mr. Sathishkumar R, "HACE Theorem Based Data Extraction to Enhance Smart Agriculture," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-4, doi: 10.1109/ICSCAN58655.2023.10394996

- Mr.Imran khan and Mrs. I.Varalakshmi, "Deep Learning Model to Detect and Classify Bone Fracture in X-Ray Images," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-6, doi: 10.1109/ICSCAN58655.2023.10394986.

- Mrs. I. Varalakshmi, , "Automatic Number Plate Recognition System Using Deep Learning YOLOv5 Algorithm," *2023 International Conference on System, Computation, Automation and*

Networking (ICSCAN), PUDUCHERRY, India, 2023, pp. 1-6, doi: 10.1109/ICSCAN58655.2023.10395604.

➢ Mrs.R.Indumathi, has presented a paper entitled as "Digitization and secure process of forensic data management using Blockchain" IEEE-International Conference on Systems Computation, Automation and Networking on 17th & 18th November 2023.

➢ Mrs. R. Indumathi, Mrs. V. Selvi, Dr. N. Palanivel, "Forest Fire and Smoke Detection using Convolution Neural Networks," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-5, doi: 10.1109/ICSCAN58655.2023.10394879.

➢ Mrs. V. Selvi, Mrs. R. Indumathi, Dr.N. Palanivel, "Deep Learning Based Diabetes Classification and Prediction for Healthcare Applications Using Advanced Genetic Optimization," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-6, doi: 10.1109/ICSCAN58655.2023.10394940.

➢ Dr.N. Palanivel, "Application Reliable Traffic Control Method for Efficient Data Management in Wireless-Aided Computer Applications," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-5, doi: 10.1109/ICSCAN58655.2023.10394734.

➢ Dr.N. Palanivel, "Smart Parking and Parking Guidance Using ECNN Algorithm in Convolution Neural Network," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-7, doi: 10.1109/ICSCAN58655.2023.10395776.

➢ Mr. Balaji S; Mr. Sathishkumar Mr. R; Sharmila Mr. G; Arikaran N, "Machine Learning Based Improved Phishing Detection using Adversarial Auto Encoder," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-4, doi: 10.1109/ICSCAN58655.2023.10395150.

➢ Dr.N. Palanivel, "Securing IoT-Based Home Automation Systems Through Blockchain Technology: Implementation," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-7, doi: 10.1109/ICSCAN58655.2023.10395653.

➢ Dr.N. Palanivel, "The Art of YOLOv8 Algorithm in Cancer Diagnosis using Medical Imaging," 2023 International Conference on System, Computation, Automation and Networking (ICSCAN), PUDUCHERRY, India, 2023, pp. 1-6, doi: 10.1109/ICSCAN58655.2023.10395046.

- Dr.N. Palanivel, , "Design and Implementation of Real Time Object Detection using CNN," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-5, doi: 10.1109/ICSCAN58655.2023.10394752.

- Mr. SathishKumar, "An Improved Fusion Model from GoogLeNet and AlexNet to Predict Breast Cancer using Deep Learning," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-4, doi: 10.1109/ICSCAN58655.2023.10395210.

- Dr.N. Palanivel, "Biometrics - Based Voting Machine Combined with Result Analysis Software," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-6, doi: 10.1109/ICSCAN58655.2023.10395245.

- Dr.N. Palanivel, "Performance Evaluation of the Infected Rice Leaves Using RCNN," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-6, doi: 10.1109/ICSCAN58655.2023.10395251.

- Mr. SathishKumar. R, "Dynamic Network Intrusion Detection System for Virtual Machine Environment," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-4, doi: 10.1109/ ICSCAN58655. 2023.10395829.

- Dr.N. Palanivel, "Heart Disease Prediction Using Linear Regression Techniques," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-5, doi: 10.1109/ICSCAN58655.2023.10394924

- Mr. SathishKumar. R, "Ensemble Text Classification with TF-IDF Vectorization for Hate Speech Detection in Social Media," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-7, doi: 10.1109/ICSCAN58655.2023.10395354

- Mr. Arikaran.N, Mr. SathishKumar. R "Quick Response Codes for Bone Fracture Diagnosis Based on Deep Learning," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-7, doi: 10.1109/ICSCAN58655.2023.10395738.

- Mr. SathishKumar. R, "Convolution Neural Network for Gastrointestinal Cancer Detection and Classification using Deep Learning," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-6, doi:

10.1109/ICSCAN58655.2023.10395530.

➢ Dr.N. Palanivel, Mrs. R. Indumathi, , "Novel Implementation of Heart Disease Classification Model using RNN Classification," *2023 International Conference on System, Computation, Automation and Networking (ICSCAN)*, PUDUCHERRY, India, 2023, pp. 1-7, doi: 10.1109/ ICSCAN58655.2023.10395314.

STUDENT ACTIVITIES

➢ R.Somnath, A.Anto Sam Christ,V. Adhityan,V, S,Guruprasad from CSE II year B sec has got First prize on "Version'23" at SRM Ramapuram at sep 21st 2023.

➢ M.Yuvaraja and M.HarishA. from CSE II year B sec has got First prize on "Technovasion 2K23" at Mailam Engineering Collage at 28th October 2023.

- M.Yuvaraja from CSE II year B sec has got First prize in Genisi '23:COSMOCOMM Edition at Pondicherry University on 4th to 6th Oct 2023

- M.Yuvaraja from CSE II year B sec has got Second prize in ICON 2k23 at pondicherry Technological University on 26th Oct 2023.

- Mr.Praveen Kumar and Mr.Kishore from III CSE students have participated in International gaming conference held in Hyderabad.
- Dhivyasri.M Final year CSE-A presented a paper titled "Detection and Classification of Neuro-degenerative Disease via EfficientNetB7" on MRCN-23 International conference conducted by Kurukshetra University, Haryana.
- VIJAYMALLAIYA,AMAL,AABID,DAMODHARAN,SHAMSUNDAR,DEIVANAI,LAKSHMIPRIYA,VINOTHI NI,SRI NIKIL,ASHWIN have got internship through VIRTUSA JATAYU competition.

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