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 analyticalskills.

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 professionalskills.

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 andmanagement.

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.
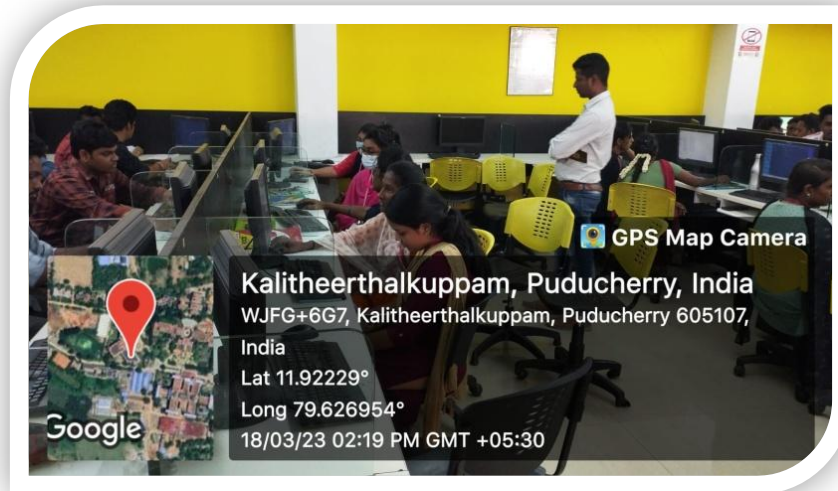
DEPARTMENT ACTIVITIES

Guest Lecture on Ergonomics using Augmented reality and Virtual reality has been delivered by Dr.Aroun Prasath Phd., (Medical Anatomy), Full time Adjunct Faculty, Fathima College of Health sciences, Al UAE, for III Year students on 2nd March, 2023

Workshop on Access Management has been conducted by Mr.VijayaKumar Bhaskar, Cyber Security Consultant, IBM, Chennai, for II Year students on 10th March, 2023
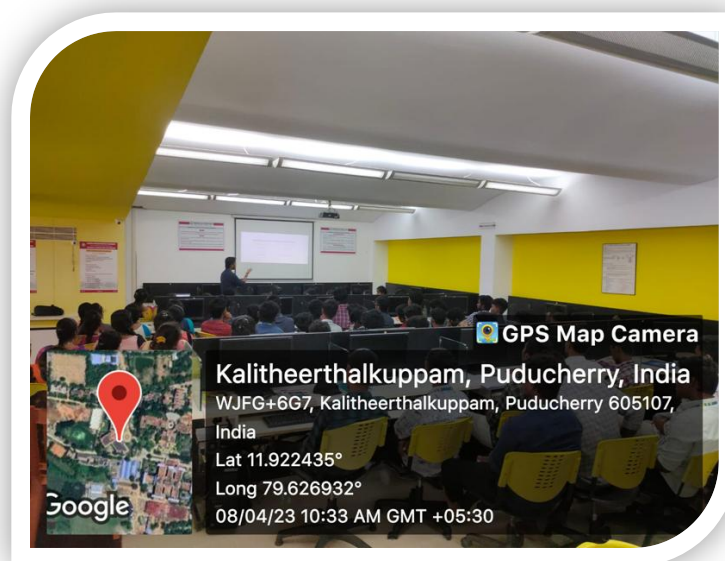
IEEE sponsored Workshop on Block Chain Technology in Python has been conducted by Dr.B.Ezhilavan, Managing Director, VEI Technologies Pvt. Ltd, Chennai for III Year Students on 18th March 2023
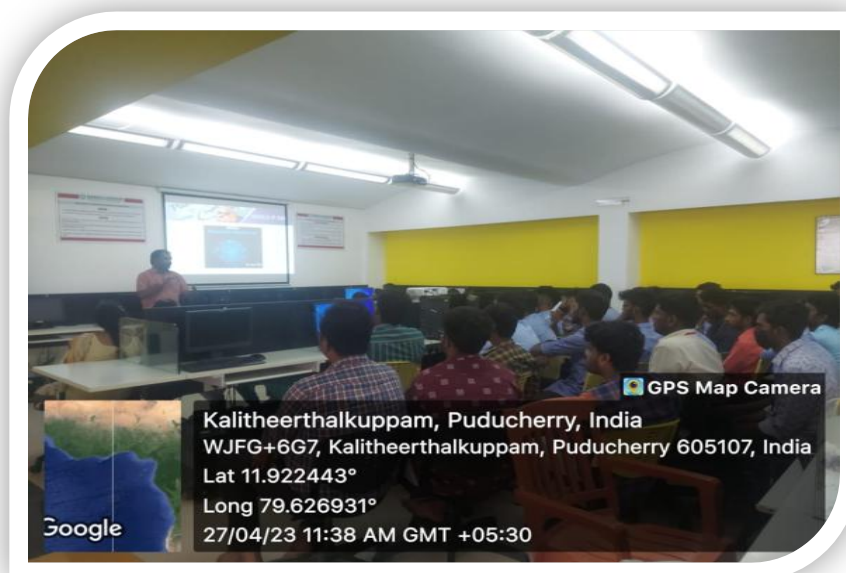

Guest lecture on Appian Low code Hyper Automation has been delivered by Ms.Thejuswini, Software Analyst for III year students, on 01st April, 2023

CSI sponsored Guest Lecture on AWS Cloud Computing has been delivered by Mr.Prem Kumar, Technology Consultant, Virtusa, Chennai for II year CSE students, on 08th April, 2023

Guest Lecture on World Intellectual Property Day has been delivered by Dr.P.Jayakumar, JP-IP Design Solutions, Madurai for III Year CSE students on 26th April, 2023

FACULTY ACTIVITIES

- Mrs.I.Varalakshmi, AP/CSE has published article titled on "SGDA: performance analysis of less energy consumption in smart IoT using stochastic gradient descent algorithm" in Journal of data acquisition and processing. ISSN: 1004-9037, DOI: 10.5281/ZENODO.7766292, March 2023.

- Mr.D.Lubin Balasubramanian, AP/CSE has published article titled on "Energy Aware Farmland Fertility Optimization Based Clustering Scheme for Wireless Sensor Networks" in Microprocessors and Microsystems, ISSN-0141-9331, https://doi.org/10.1016/j.micpro.2023.104759, March 2023.

- Mrs.D.Mohanapriya, AP/CSE has published article titled on "Decentralized blockchain system using consensus algorithm for real estate property management system" in Journal of emerging technologies and innovative research, ISSN-2349-5162, March 2023.

- Mrs.I.Varalakshmi, AP/CSE has received Award of Recognition for building 200 bots by the students in "RPA Skill-a-thon" during December 2022 to February 2023 by ICT Academy and UiPath academic Alliance on 10th March 2023.

- Dr.S.Pariselvam, Professor and Head has published article titled on "Social spider optimization-based routing protocol for an energy sufficient WSN communication" in Journal of data acquisition and processing. ISSN: 1004-9037 ,DOI: 10.5281/ZENODO.7766292, April 2023

- Dr.N.Palanivel, Assoc.Professor / CSE has published article titled on "Object detection and recognition in dark using YOLO" in Journal of data acquisition and processing. ISSN: 1004-9037 ,DOI: 10.5281/ZENODO.7766292, April 2023.

- Mrs.I.Varalakshmi, AP/CSE and Mrs.D.Mohanapriya, AP/CSE has received honorarium for train and certified the students on Java J2EE and Full Stack Developer conducted by Wipro from June 2022 to Novemeber 2022 on 11th April 2023.

- Mrs.D.Mohanapriya, AP/ CSE has published article titled on "Digitization of secure blockchain based electronic health record system using smart contract" in Journal of data acquisition and processing ,ISSN: 1004-9037 / 42-56, DOI: 10.5281/ZENODO.7766292, April 2023

- Mrs.R.Indumathi AP/CSE has published article titled "Enhancing farm management through deep neural network for animal detection" in Journal of data acquisition and processing, ISSN: 1004-9037 / 33-41 DOI: 10.5281/ZENODO.7766292, April 2023.

- Mrs.J.Jayapradha, AP/CSE has published article titled on "Text to image synthesizer using generative adversarial networks" in Journal of data acquisition and processing, ISSN: 1004-9037 / 33-41 DOI: 10.5281/ZENODO.7766292, April 2023.

- Mrs.G.Sharmila, AP/CSE has published article titled "Detection of breast cancer using deep neural network (DNN) and random forest algorithm" in Journal of data acquisition and processing, ISSN: 1004-9037 / 33-41 DOI: 10.5281/ZENODO.7766292, April 2023.

- 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 2022 on 11th April 2023.

- Mr.K.ImranKhan, AP/CSE has published article titled on "Decentralized e-voting system based on blockchain technology using smart contracts and KECCAK-256 algorithm" in Journal of Semiconductor Opto Electronics, ISSN:1001-5868Vol. 42 No. 1 (2023), 1129-1139, May 2023 and another article titled "Employee attrition prediction" in Journal of Semiconductor Opto Electronics, ISSN: 1001-5868Vol. 42 No. 1 (2023), 1129-1139, May 2023.

- Mrs.Boovaneswari, AP/CSE has published article titled "Accident prevention and detection with alert notifications using radio frequency" in Journal of Semiconductor Opto Electronics, ISSN:1001-5868Vol. 42 No. 1 (2023), 1129-1139, May 2023 and another article titled "Detection of defects in ceramic tiles using deep neural network in artificial" in Journal of Semiconductor Opto Electronics, ISSN:1001-5868Vol. 42 No. 1 (2023), 1129-1139, May 2023.

- Mrs. Jayapradha, AP/CSE has published article titled "Driver drowsiness and alcohol detection" in Journal of Semiconductor Opto Electronics, ISSN:1001-5868Vol. 42 No. 1 (2023), 1129-1139, May 2023.

- Mrs.R.Indumathi AP/CSE has published article titled "Machine Learning-based Sensory Substitution System for the Visually Impaired" in European Chewmical Bulletin, ISSN 2063-5346, May 2023.

- Mr.R. Sathish Kumar, AP/CSE has published article titled "Extracting text from image and braille to speech conversion" in European Chewmical Bulletin, ISSN 2063-5346, May 2023.

- Mr.R.Rajbharath, Asso. Prof/CSE has published journal entitled on "Dehazing for video using dark channel priority" in European Chewmical Bulletin, ISSN 2063-5346, May 2023.

- Mr.N.Arikaran, AP/CSE has published article titled "Expressive & Deployable Secured Banking Application using Cloud Environment" in European Chewmical Bulletin, ISSN 2063-5346, May 2023.

- Dr.N.Palanivel, Assoc. Prof has presented a paper titled "Visual Recognition systems for Hearing Impairment using IOT" in International Conference on Internet of Things organized by SRM University, Chennai from 26th April to 28th April 2023.

- R. Sathish Kumar, AP/CSE has presented a paper titled"A Survey on Detection and Classification of Neuro- Degenerative Disease using Deep Learning" in *Internatinal Conference on Recent trends in Computer Communication and Business Management* organized by Sethu Institute of Technology on 10th March 2023.

- Mrs. I.Varalakshmi, AP/CSE has presented a paper "Detection of fabric defects based on Improved GAN using Deep learning techniques" in International conference on Science and Innovative Engineering organized by Jawahar Engineering college with Samarkand State University, Uzbekistan. May 2023.

- Mr.M.ImranKhan AP/CSE has attended Two days FDP on "Research Opportunities in Bot detection in Twitter" conducted by Puducherry Technological University from 12th May to 13th May 2023.

STUDENT ACTIVITIES

- Vengatesan.J, Amaresh.V, Harisankaran. S, SuryaKumar.K, Thananjayan, Bhuvaneshwaran of 3rd year CSE has undergone 31 days Internship in Lenova Pvt, Ltd, Puducherry.

- S.V.Dhinesh of 3rd year student has participated in Pavit Singh Nayar Memorial T20-, ,Ic Gurunanak College Ground, Chennai held on 1st April 2023.

- S.P.Karkatesh of 2nd year student has won First prize in Yazhinidhu-MVIT KALAISARAL'23 held on 10th April 2023.

- Oviya, Preethi of Final year students and Yohini, Jhancy, Keerthana, Akila of 2nd year CSE have won First prize held on 5th May 2023.