



MANAKULA VINAYAGAR

INSTITUTE OF TECHNOLOGY

An Autonomous Institution

Affiliated to Pondicherry University, Approved by AICTE, New Delhi,

Accredited by NAAC with 'A' Grade

Kalitheerthalkuppam, Puducherry- 605 107.



DEPARTMENT OF CSE – (IoT and Cyber Security including Blockchain Technology)

NEWS LETTER

CYBER INSIGHT

ABOUT THE DEPARTMENT

The Department was started with an intake of 60 students in 2020; the sanctioned intake was increased to 60 seats in 2022. The Department of CSE (IoT and Cyber security including Block chain Technology) 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 PONDY World, Pondicherry, Laksh Source Business Solutions Private Limited Pondicherry for software training and Faculty Development Programs, besides R&D activities

VISION AND MISSION

VISION

To impart knowledge with the latest technological advancement in the field of CSE (INTERNET OF THINGS AND CYBER SECURITY INCLUDING BLOCKCHAIN TECHNOLOGY) and transform the learners into global contributors as Innovators, Entrepreneurs, and Researchers

MISSION

Department of CSE (INTERNET OF THINGS AND CYBER SECURITY INCLUDING BLOCKCHAIN TECHNOLOGY) 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 updating 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 creativity in research and to develop the competency of the students in the Technological field.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

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.

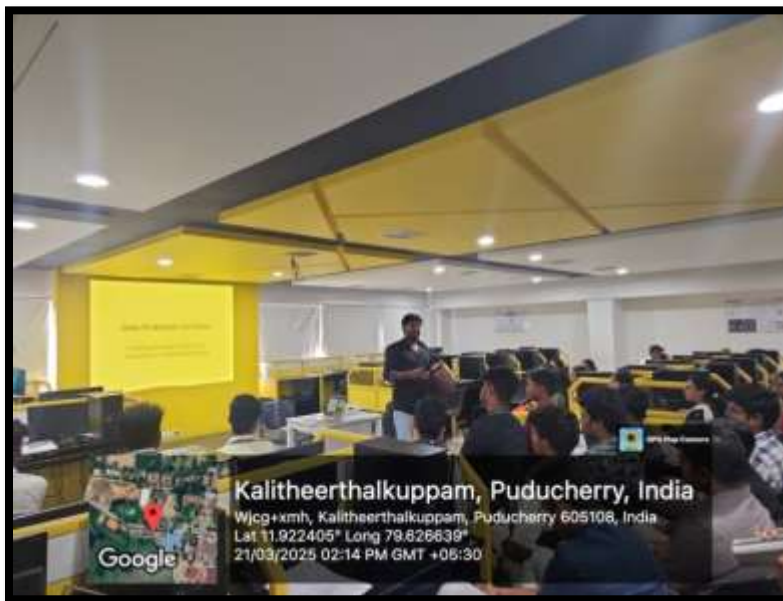
PEO3: Entrepreneurship: Our Graduates shall be prepared for a successful career by meeting the ever-increasing demands required by Computer Science and Engineering profession and enabling them to become an entrepreneur.

PEO4: Ethical: Our Graduates cultivate professional and ethical attitudes with effective communication skills, teamwork, and a multidisciplinary approach related to engineering issues.

DEPARTMENT ACTIVITIES



The Department organized a Offline Seminar by Ms. R. SANDHIYA, Design Engineer, Vee Healthtek, Chennai for Third Year students on 3rd February 2025.



The Department organized a Guest Lecture on "Data Protection on Cloud" by Mr. V. Manogajapathi, M.E., Analytics Development, Standard Chartered Bank, Chennai, for the Third -Year students on 21st March 2025.



The Department organized an external workshop on "Cloud Mastery with Salesforce: A Hands-On Approach" given by Mr. Vasanth Yudhishtane, Info Way Solutions, Puducherry, for the Third-Year students on 10th February 2025



The Department organized an Offline Seminar on "Fostering Innovation Through Intellectual Property Rights" by Mr. Jayakumar for Third-Year students on 4th February 2025.



The Department organized a Offline Seminar on "Design, Collect, Analyse: A Holistic Approach to Research" given by Dr. K. Anandhajothi, Professor, Rajalakshmi College of Engineering, Chennai, for Fourth-Year students on 5th April 2025.



The Department organized anEDP sectionon "Raising Capital and Managing Finance For Startups" by Mr. K. Manoj Kumar, Ignite Skylabs, MVIT, for Second -Year students on 2nd April 2025.



The Department organized an EDP on "Digital Transformation in Entrepreneurship: Adapting to a Digital Economy" by Mr. Muthuraman, TL/Development manager, Pondicherry, for Third Year students on 22nd February 2025.



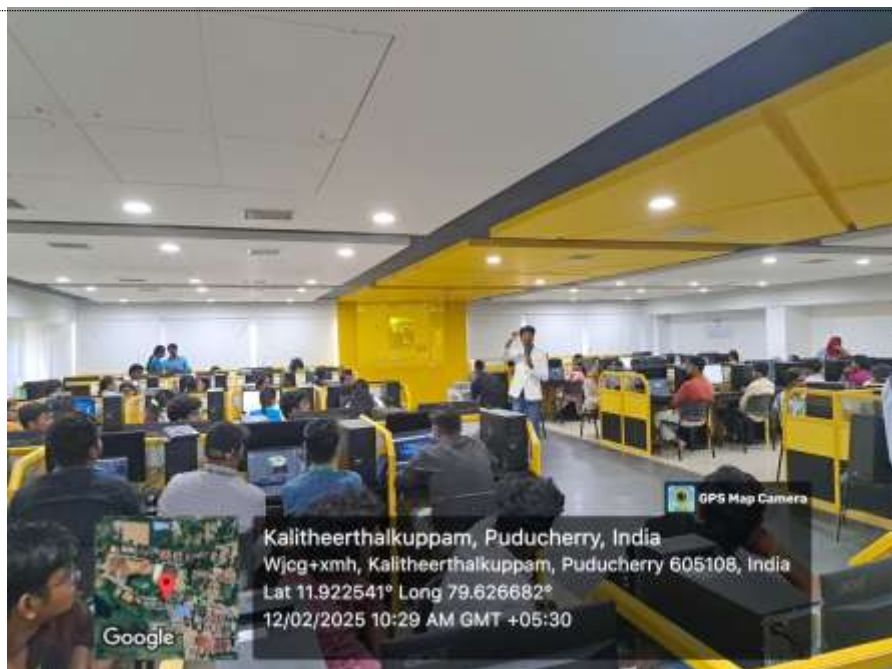
The Department organized a Career guidance Program on "Unlocking Potential: Career Guidance for a Brighter Future" by Mr. S. R. Giri Daran, Associate Software Engineer, Hexaware Technologies, Chennai, for Second and Third Year students on 22nd February 2025.



The Department organized a Career guidance Program on "Future-Proof for Career: Exploring Roles in Cyber Security" by Mr. Seshan Ram, Senior Cyber Security Analyst, London Stock Exchange Group, delivered for Second and Third Year students on 22nd March 2025.



The Department organized a Faculty Development Program on "Mixed Reality" by Mr. Vinoth E, Founder – LEOVR, for Faculty Members from 18th to 22nd February 2025.



The Department organized a one-day hands-on workshop on 'Game Design and Development' by Mr. Vinoth E, UAI (Unreal Authorized Instructor), Founder – LEOVR, Bangalore, for Second Year students on 12th February 2025.



The Department organized a seminar on 'SDG3: Role of Naturopathy in promoting Health and Well-being across Lifespan' by Mr. J. Sambath Kumar (Retd.), SBI General Manager, Puducherry, for Second Year students on 8th February 2025.



The Department has signed an MOU with **Mr. Reji Vasanth V.J**, Chairman & Managing Director of Mibiz Group of Companies, on **14th July 2025**.



The Department organised an Awareness Program on “POSH Awareness: Safe, Respectful, Empowered” was conducted by Dr. U. Sankar Narayanan, Inspector of Police, for the students on **24th July 2025**.



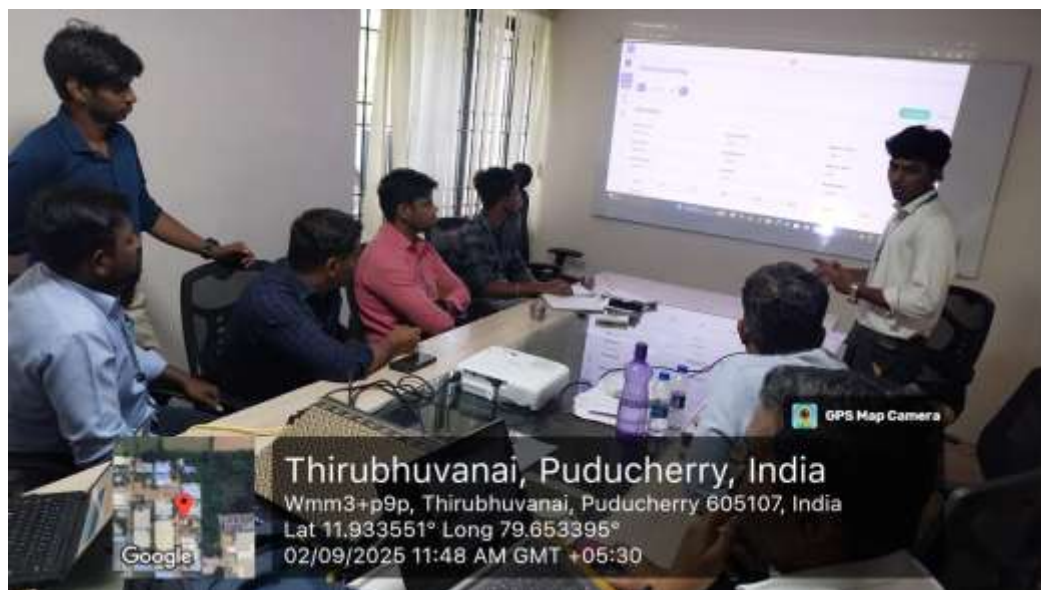
The Department organized a Guest Lecture on “**Career Opportunities in Emerging Technologies: Cyber Forensics**” was delivered by **Mr. Reji Vasanth V.J**, Chairman & Managing Director of Mibiz Group of Companies, on **14th July 2025**. The session was organised for **Third Year students**.

FACULTY ACTIVITIES

1. **Dr. N. Palanivel**, Professor, Dept. of CSE(ICB), published a Journal “*Biosignals Based Smoking Status Prediction Using Standard Autoencoder and Artificial Neural Network*” in **International Journal of Computing and Digital Systems**, 2025.
2. **Dr. N. Palanivel**, Professor, Dept. of CSE(ICB), published a Journal “*Adaptive Exercise Meticulousness in Pose Detection and Monitoring via Machine Learning*” in **International Journal of Computing and Digital Systems**, 2025.
3. **Mrs. K. C. Nithyasree**, Assistant Professor, Dept. of CSE(ICB), published a Journal “*Enhancing Accessibility and Independence for the Visually Impaired: An Integrated QR Code-Based Shopping, Navigation, and Ticket Booking System*” in **Journal of Neonatal Surgery**, 3rd April 2025.
4. **Mr. V. Kumaraguru**, Assistant Professor, Dept. of CSE(ICB), published a journal “*AI-Oriented Phishing Detection System for the Strengthening of Security in Social Networks*” in **Journal of Neonatal Surgery**, 3rd April 2025 .
5. **Mr. V. Kumaraguru**, Assistant Professor, Dept. of CSE(ICB), published the paper “*Intelligent Interactive Dietary Recommendation Systems Using NLP*” in **Metallurgical and Materials Engineering**, 7th May 2025.
6. **Ms. S. Adolphine Shyni**, Assistant Professor, Dept. of CSE(ICB), published a Journal “*Identity Verification Using Zero-Knowledge-Proof With Blockchain Technology*” in **Journal of Neonatal Surgery**, 3rd April 2025 .
7. **Ms. A. Sheerin**, Assistant Professor, Dept. of CSE(ICB), published a Journal “*SecureSphere: A Blockchain-Based Social Media Platform with Verifiable Token Identity for Enhanced Security and Authentication*” in **Journal of Neonatal Surgery**, 3rd April 2025.
8. **Ms. A. Sheerin**, Assistant Professor, Dept. of CSE(ICB), published a Journal “*Secure Digital Content Moderation Using a Hybrid AI-Based Morphed Image Detection System with Instant Removal and Quarantine*” in **Journal of Neonatal Surgery**, 3rd April 2025 .
9. **Mr. U. Muruganantham**, Assistant Professor, Dept. of CSE(ICB), published a Journal “*Deep Learning Based Cervical Cancer Detection*” in **Journal of Neonatal Surgery**, 25th April 2025 .

10. **Mrs. K. C. Nithyasree**, Assistant Professor, Dept. of CSE(ICB), published the paper “*FIR Management System in Dapps Using NFT*” in **Metallurgical and Materials Engineering**, 7th May 2025.
11. **Ms. S. Adolphine Shyni**, Assistant Professor, Dept. of CSE(ICB), published the paper “*Phish Defender: Real-Time Detection of Phishing Websites Using A Browser Extension*” in **Metallurgical and Materials Engineering**, 7th May 2025 .

Mr. V. Kumaraguru, AP, has certified the TalentNext program awarded by “Digital Skills Readiness Program” as Wipro Certified Faculty.



Mr. U. Muruganantham, AP, with Fourth Year students, has gone for a Consultancy interaction at Swastik Performs Pvt Ltd, Thirubuvanai, Puducherry.



Mr. U. Muruganantham, AP, with Third Year students has participated in the “Garnishing Talent Program – 2025” conducted by Confederation of Indian Industry.

STUDENTS ACTIVITIES



The Department organised an Industry Visit for Second Year Students “KTPO, Bangalore” on 26th February 2025.



The Department of organised an Industry Visit for Fourth Year Students
“SUV Software Private Limited” on 12th February 2025.

- Mr. B Kaderavan of Fourth Year completed an NPTEL Certification on “Ethical Hacking” in October 2024.
- Ms. K. Oviya of Fourth Year completed an NPTEL Certification on “Ethical Hacking” in October 2024.
- Mr. Vignesh of Fourth Year completed an NPTEL Certification on “Ethical Hacking” in October 2024.
- Ms. Roshni J P of Fourth Year completed an NPTEL Certification on “Programming, Data Structures and Algorithms Using Python” in March 2025.
- Ms. Vidyalakshmi Sivasubramanian of Fourth Year completed an NPTEL Certification on “Blockchain and its Applications” in April 2025.
- Mr. Nivaas B, Mr. Sabarinathan R, Mr. Aathiswaran V has placed in Hexaware, Chennai.
- Mr. Praveen R, Mr. Sidhaarthane. P, Mr. Sivasanker S and Mr. Jayaprakash of Fourth Year students have placed in Innovate Engineering Products, Bangalore.
- Ms. J. Sheerin Farhana of Fourth Year student has placed in Societe Generale.



Mr. N. Kirubakaran, Fourth Year, delivered an internal workshop titled “Cyber Security” for Third Year students on **21st February 2025**.



Mr. Hirthick Gowtham, Mr. Nivas, and Mr. Jothimani, Final Year students, completed Daycare School Consultancy work.



A session on “BACK TO INSPIRE: ALUMNI WISDOM FOR FUTURE LEADERS” by S. Keerthana, Alumni of batch 2020–2024, was arranged for Second Year students on 3rd February 2025.



A seminar on “Craft Your Career: Mastering the Modern Resume” was held on 6th August 2025 in Room No. 319 for Fourth Year students. It was presented by Ms. S. Narmatha, Alumni of batch 2021–2025.



The Department organised a seminar on “Leadership Lens: Interview Success through Soft Skills” by Mr. E. Rubesh, Alumni of batch 2021–2025, for Second Year students on 8th July 2025.