



KONGUNADU

College of Engineering & Technology
[Autonomous]

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai, Accredited by NBA, Accredited by NAAC,
Recognized by UGC with 2(f) & 12(B) and An ISO 9001:2015 Certified Institution

Namakkal- Trichy Main Road, Thottiam, Trichy (Dt)- 621 215, Tamilnadu

DEPARTMENT OF INFORMATION TECHNOLOGY

BITWHACKERS NEWSLETTER

✦ Editorial Board:

✦ Chief Editor

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✦ Student Editor

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◆ COLLEGE VISION / MISSION:

◆ VISION

“To become an internationally renowned Institution in technical education, research and development, by transforming the students into competent professionals with leadership skills and ethical values.”

◆ MISSION

- Providing the Best Resources and Infrastructure.
- Creating Learner centric Environment and continuous –Learning.
- Promoting Effective Links with Intellectuals and Industries.
- Enriching Employability and Entrepreneurial Skills.
- Adapting to Changes for Sustainable Development

◆ DEPARTMENT VISION/MISSION:

◆ VISION

To produce competent IT professionals, researchers and entrepreneurs with moral values in the field of Information Technology

◆ MISSION

- Enrich the students’ programming and computing skills through best teaching - learning processes, laboratory practices and through project-based learning.
- Inculcate real world challenges, emerging technologies and endeavor the students to become entrepreneurs or make them employable.
- Inculcating moral and ethical values to serve the society and focus on students’ overall development.

◆ PROGRAM EDUCATIONAL OBJECTIVES

PEO I : Graduates shall become IT professionals with specialization in Software Engineering, Networking, Data Mining and Cloud computing.

PEO II : Graduates shall build IT solutions through analysis, design and development of software and firmware solutions for real-world problems and social issues.

PEO III : Graduates shall have professional ethics, team spirit, life-long learning, good oral and written communication skills and adopt corporate culture, core values and leadership skills.

◆ PROGRAM SPECIFIC OUTCOMES (PSO's)

PEO 1 : Professional skills: Students shall understand, analyze and develop IT applications in the field of Data Mining/Analytics, Cloud Computing, Networking etc., to meet the requirements of industry and society.

PEO 2 : Competency: Students shall qualify at the State, National and International level competitive examination for employment, higher studies and research.

◆ PROGRAM OUTCOMES (POS)

PEO 1. Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and engineering Specialization to the solution of complex engineering problems.

PEO 2. Problem Analysis: Identify, formulate, research literature, and analyze engineering problems to arrive at substantiated conclusions using first principles of mathematics, natural, and engineering sciences.

PEO 3. Design/development of solutions: Design solutions for complex engineering problems and design system components, processes to meet the specifications with consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PEO 4. Conduct investigations of complex problems: Use research-based knowledge including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PEO 5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PEO 6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PEO 7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PEO 8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PEO 9. Individual and team work: Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings..

PEO 10. Communication: Communicate effectively with the engineering community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations, and give and receive clear instructions.

PEO 11. Project management and finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one’s own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

PEO 12. Lifelong learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

✦ COMMON ACTIVITIES

- TRIO FEST - 2024 was organized on 13.05.2024



✦ PARENT – TEACHERS MEET

- Parent – Teachers Meet was conducted for IV, III and II year on 29th Aug, 30th Aug & 31st August 2024 respectively. The prizes have been awarded to the students and staff members for their best performance.



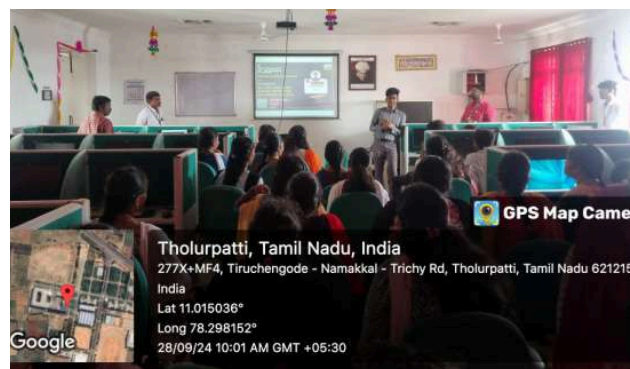
✦ PROGRAMME CONDUCTED BY THE DEPARTMENT (WORKSHOP / SEMINAR/ GUEST LECTURE / TRAINING / WEBINAR/ OTHERS)

- Seminar on 'Full Stack Development with Django' was organized on 26th October 2024. The Resource Person was Mr. P.Vigneshram, Software Developer, TCS, Chennai.



- Workshop on "Real World Cyber Defence: Techniques for Identifying and Mitigating Cyber Attack" was organized on 28th September 2024.

The Resource Person was Mr.N.Mohan Kumar, Cyber Security Researcher, Bug Hunter, Chennai.



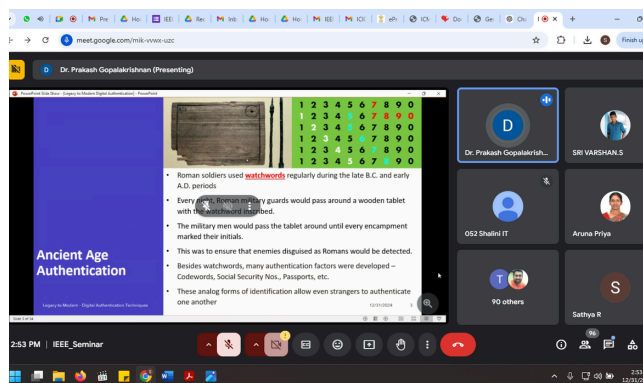
- Seminar on "Artificial Intelligence in Digital Twins" was organized on 18th September 2024. The Resource Person was Dr.J.K.Deepak Keynes, Team Leader, CTS, Chennai.



- Seminar on 'Beyond Borders: Unraveling the Essence of Data Sovereignty and Production' was organized on 25th July 2024. The Resource Person was Mr. A.Sivabalu, Vice President, Business Developments, HANODALE Solutions Pvt Ltd India, Coimbatore.



- IEEE seminar on "Legacy to Modern Authentication Techniques in Cyber Security" was organized on 31st December 2024. The Resource Person was Dr. G. Prakash, Associate Professor, School of Computer Science and Engineering Vellore Institute of Technology Vellore.



- Seminar on “Gen AI” was organized on 28.12.2024. The Resource person was Mr. P.Tamilvalavan, Trichy.



✦ DEPARTMENT ACHIEVEMENTS

Workshop Participation:

- **Mr.M.Santhanaraj, AP/IT** had attended Workshop on “Generative AI Mastery: From Foundations to Applications” held at Indian Institute of Information Technology, Nagpur from 18.11.2024 to 22.11.2024.
- **Mr.M.Santhanaraj, AP/IT** had attended Workshop on “Cybersecurity and Privacy-Enhancing Technologies” held at Eswari Engineering College, Chennai from 21.10.2024 to 26.10.2024.
- **Mr.K.S.Manojee, AP/IT** had attended Workshop on “Python and GenAI” held at Learnix Thrive on 05.10.2024.
- **Mr.J.Sathishkumar, AP/IT** had attended Workshop on “Tech Trends in CyberSecurity” held at IEEE Computer Society on 19.08.2024.

Seminar Participation:

- **Mr.R.V.Viswanathan, AP/IT** had attended Seminar on “Legacy to Modern-Authentication Techniques in Cyber Security” on 31.12.2024.

FDP Participation:

- **Mr.R.V.Viswanathan, AP/IT & Mrs.R.Aruna, AP/IT** had participated in FDP on “Quantum Computing” from 16.12.2024 to 21.12.2024 organized by Dhanalakshmi Srinivasan Engineering College.
- **Mr.R.Palani Kumar, AP/IT** had participated in FDP on “Building Services in Smart City Through IoT-Edge-Fog-Cloud Federation” 09.12.2024 to 14.12.2024 organized by National Institute of Technology, Warangal.
- **Mr.S.Parthiban, AP/IT & Dr.M.Suganthi, AP/IT** had participated in FDP on “Cross-Modality Innovation: Generative AI in Language, Image Intelligence, and Medical Advancements” from 09.12.2024 to 14.12.2024 organized by Bharati Vidyapeeth’s College of Engineering, Pune.
- **Mr.J.Sathishkumar, AP/IT** had participated in FDP on “AI and Digital Technologies for Sustainable Healthcare and Medical Technologies” from 25.11.2024 to 30.11.2024 organized by Institute of Technology, Nirma University.
- **Mr.R.V.Viswanathan, AP/IT** had participated in FDP on “Outcome based Education and Accreditation Process” from 25.11.2024 to 29.11.2024 organized by NITTTR, Chandigarh.
- **Mrs.A.Mohanadevi, AP/IT & Dr.R.Sathya, AP/IT** had participated in FDP on “Innovative Applications and Ethical Considerations of Artificial Intelligence in Modern Research” from 25.11.2024 to 30.11.2024 organized by Bhagwan Parshuram Institute of Technology, Delhi.
- **Mrs.A.Mohanadevi, AP/IT & Mr.R.Palani Kumar, AP/IT** had participated in FDP on “Cloud Computing” from 12 Weeks Course organized by NPTEL.
- **Dr.M.Suganthi, AP/IT** participated in FDP on “Advancements in Computing Technologies and Internet of Things” from 21.10.2024 to 25.10.2024 organized by Vellore Institute of Technology, Chennai.
- **Mrs.R.Aruna, AP/IT** had participated in FDP on “Cloud Computing Tools” from 23.09.2024 to 27.09.2024 organized by Sri Venkateshwara College of Engineering, Sriperumbudur.
- **Mr.S.Parthiban, AP/IT, Dr.M.Suganthi, AP/IT, Mr.M.Santhanaraj, AP/IT & Dr. J.Preetha, Prof./IT** had participated in FDP on “Enhancing Research Capabilities for Academic Career Progression” from 23.09.2024 to 27.09.2024 organized by NITTTR, Chandigarh.
- **Mr.J.Sathishkumar, AP/IT** had participated in FDP on “Building Web Development Solutions with Cloud Computing” from 02.09.2024 to 06.09.2024 organized by Edunet Foundation.

- **Mr.R.V.Viswanathan, AP/IT & Mrs. R. Aruna, AP/IT** had participated in FDP on “Contemporary research trends, Innovations in Materials and Technology” from 26.08.2024 to 31.08.2024 organized by Jeppiaar Institute of Technology.
- **Mr.P.Vikram, AP/IT** had participated in FDP on “Machine Learning and Deep Learning: Recent Trends and Applications” from 19.08.2024 to 23.08.2024 organized by Government College of Technology, Coimbatore.
- **Dr.K.Muthumanickam, Prof./IT, Dr.R.Sathya, AP/IT, Dr.M.Suganthi, AP/IT, Mr. J.Sathishkumar, AP/IT, Mr.R.Palani Kumar, AP/IT, Mrs.R.Aruna, AP/IT, Mr. R.V.Viswanathan, AP/IT, Mr.S.Parthiban, AP/IT, Mr.M.Santhanaraj, AP/IT, Mr. K.S.Manojee, AP/IT & Mrs.A.Mohanadevi, AP/IT** had participated in FDP on “HTML” from 08.08.2024 to 27.08.2024 organized by IIT, Bombay.
- **Mr.J.Sathishkumar, AP/IT** had participated in FDP on “Deep Learning and IOT Technologies in Precision Healthcare” from 16.08.2024 & 17.08.2027 organized by Kongu Engineering College, Erode.
- **Mr.J.Sathishkumar, AP/IT** had participated in FDP on “Artificial Intelligence's Impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical fields” from 05.08.2024 to 10.08.2024 organized by Dhaanish Ahmed College of Engineering, Chennai.
- **Mr.J.Sathishkumar, AP/IT** had participated in FDP on “Exploring Machine Learning Cyber Security: Tools and Trends” from 05.08.2024 to 09.08.2024 organized by Sri Venkateshwara College of Engineering, Chennai.
- **Mr.R.Palani Kumar, AP/IT** had participated in FDP on “Harnessing Artificial Intelligence for Healthcare Excellence: Innovations, Insights and Impacts” from 24.06.2024 to 29.06.2024 organized by SRM Institute Science and Technology, Ramapuram.

◆ STAFF ACHIEVEMENTS AND AWARDS:

- **Dr.R.Sathya, AP/IT** act as a Reviewer - 4th IEEE International Conference on Mobile Networks and Wireless Communications (ICMNBC-2024) organized by Sri Siddhartha Institute of Technology, Tumakuru from 04.12.2024 to 05.12.2024.

- **Dr.J.Preetha, Prof./IT** act as a Resource Person in “AICTE Recognized National Level FDP on Outcome Based education and Accreditation Process” organized by National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh on 28.11.2024.
- **Dr.J.Preetha, Prof./IT** act as a Resource Person in “Designing an Outcome-Based Education Framework for Accreditation” organized by Heritage Institute of Technology, Kolkata on 29.10.2024.
- **Dr.J.Preetha, Prof./IT** act as a Resource Person in “NPTEL Awareness” organized by AVS College of Technology, Salem on 30.07.2024.
- **Mr.K.S.Manojee, AP/IT & Mr.S.Parthiban, AP/IT** act as a Resource Person in “Digital Literacy – Basic Computer Knowledge” organized by Government Girls Higher Secondary School, Erumapatty on 10.07.2024.
- **Dr.J.Preetha, Prof./IT** act as a Resource Person in “Curriculum and credit framework for Undergraduate Programme” organized by National Institute of Technical Teachers Training and Research (NITTTR) Chandigarh on 04.07.2024.
- **Dr.M.Suganthi, AP/IT** act as a mentor in 10th India International Science Festival 2024 organized by Government of India's Ministry of Science & Technology, Ministry of Earth Sciences, and Government of Assam in association with Vijnana Bharati (VIBHA) on 30 November to 3 December 2024.
- **Dr.M.Suganthi, AP/IT** act as a mentor in event “Ideas for Vikshit Bharat S&T Hackathon” organized by Government of India's Ministry of Science & Technology, Ministry of Earth Sciences, and Government of Assam in association with Vijnana Bharati (VIBHA) on 30 November to 3 December 2024.

◆ NPTEL COURSE COMPLETED

- NPTEL Course on ‘Introduction to Internet of Things’ was completed by **Mrs.R.Aruna, AP/IT**, during Jul – Oct 2024 with 75%.
- NPTEL Course on ‘Cloud Computing’ was completed by **Mr.J.Sathish kumar, AP/IT**, during Jul – Oct 2024 with 66%.
- NPTEL Course on ‘Cloud Computing’ was completed by **Mr.R.Palani Kumar, AP/IT**, during Jul – Oct 2024 with 72%.
- NPTEL Course on ‘Cloud Computing’ was completed by **Mrs.A.Mohanadevi, AP/IT**, during Jul – Oct 2024 with 65%.
- v NPTEL Course on ‘Introduction to Internet of Things’ was completed by **Mr.M.Santhanaraj, AP/IT**, during Jul – Oct 2024 with 55%.

♦ IIT SPOKEN TUTORIAL COURSE

- IIT spoken tutorial course on “HTML” was conducted for Faculty members and 11 Faculty members successfully completed the certification.

♦ FACULTY PUBLICATION IN JOURNALS

- S. Saravanan, **Dr.K.Muthumanickam, Prof./IT**, N. Subha and P. C. S. Mahesh, "Diagnosing Alzheimer Disease Using MRI Scan: A Deep Learning Approach," 2024 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS), Coimbatore, India, 2024, pp. 1047-1052, doi: 10.1109/ICSCSS60660.2024.10624909.
- A. Velusamy, J. Akilandeswari, A. N. Karthikeyan, D. Abdul Jaleel, **R.V.Viswanathan, AP/IT** and B. Mohanraj “Wearable Sensor-Based Machine Learning in Gait Pattern Analysis for Fall Prediction Systems: An Investigative Research Study” 2024 OPJU International Technology Conference (OTCON) on Smart Computing for Innovation and Advancement in Industry 4.0 IEEEExplore10.1109/OTCON60325.2024.10687848.
- S. Ananthi, R. Venkateswaran, G. Vijaya, J. Arun and **Dr.R.Sathya, AP/IT** “Data Mining and Text Mining Approach: Query based Information Retrieval using Genetic Algorithm” 5th International Conference on Image Processing and Capsule Networks (ICIPCN 24) IEEE Explore DOI: 10.1109/ICIPCN63822.2024.00098.
- L. Raja, V. C. Bharathi, S. Ananthi, **Dr.R.Sathya, AP/IT**, T. Kathirvel and T. S. A. Razack “An Intelligent Vehicle License Plate Detection for an Emergency Notification System” 5th International Conference on Smart Electronics and Communication (ICOSEC 24) IEEE Explore DOI: 10.1109/ICOSEC61587.2024.10722714.
- **Mr.S.Parthiban,AP/IT**, V. C. Bharathi, A. Anbumani, S. Ananthi and R. Sathya “Enhanced Forgery Detection of Fake Face in Forensic Investigation using Convolution Neural Network” 5th International Conference on Smart Electronics and Communication (ICOSEC 24) IEEEExploreDOI:10.1109/ICOSEC61587.2024.10722521.
- N. Nallametti, C. Malarvizhi, S. J. Ahmed, **Dr.R.Sathya, AP/IT**, K. H. Vishnu and J. N. Naveen “Intelligent Rainfall Prediction and Flood Alert System using ML” 5th International Conference on Smart Electronics and Communication (ICOSEC 24) IEEE Explore DOI: 10.1109/ICOSEC61587.2024.10722319.
- Monikapreethi. S. K, **Dr.J.Preetha, Prof./ IT**, K. N. Reddy, S. Ramya, Y. S and S. Murugan “Survival Analysis with Cox Proportional Hazards Model in Predicting Patient Outcomes” 5thInternational Conference on Electronics and Sustainable Communication Systems (ICESC 24) DOI: 10.1109/ICESC60852.2024.10689732.
- C. Selvarathi, R. Kannan, **Dr.K.Muthumanickam, Prof./IT** , P. Pandiaraja, T. S. Venkateswaran and R. Arunraj “Enhancing Accessibility for Visually Impaired on Integrating Object, Distance and Face Detection 8thInternational Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)DOI:10.1109/I-SMAC61858.2024.10714896.
- **Dr.R.Sathya, AP / IT**, V. C. Bharathi, S. Ananthi, T. Vijayakumar, R. Praveen and D. Ramasamy “Real Time Prediction of Diabetes by using Artificial Intelligence” 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 24) DOI: 10.1109/ICSSAS64001.2024.10760985.
- **Dr.M.Suganthi, AP/IT**, K. Bagadi, S. Karthiga, S. S. Dash, K. Manjulaadevi and N. Rajkumar “Enhanced Multi-Class Brain Tumor Classification in MRI Scans Using WPCA-LSTM Network” 15th International Conference on Computing Communication and Networking Technologies (ICCCNT24)DOI:10.1109/ICCCNT61001.2024.10726217.
- **Dr.R.Sathya, AP/ IT**, V. C. Bharathi, S. Ananthi, T. Vijayakumar, R. Praveen and D. Ramasamy “Real Time Prediction of Diabetes by using Artificial Intelligence” 2ndInternational Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2024)DOI: 10.1109/ICSSAS64001.2024.10760985.
- V. Yamuna, P. RVS, **Dr.R.Sathya, AP/ IT**, M. Dhivva, R. Lidiya and P. Sowmiya “Integrating AI for Improved Brain Tumor Detection and Classification”4th International Conference on Sustainable Expert Systems (ICES 2024) DOI: 10.1109/ICES63445.2024.10763262.
- K. Radhika, S. Verma, **Dr.R.Sathya, AP/IT**, T. Kathirvel, K. H. Vishnu and N. M. Rajan “AI Powered Crypt-Analysis for Identification of Encryption Algorithm” 4th International Conference on Sustainable Expert Systems (ICES24)DOI:10.1109/ICES63445.2024.10763019.
- RVS. Praveen, U. Hemavathi, **Dr.R.Sathya, AP/IT**, A. Abubakkar Siddiq, M. Gokul Sanjay and S. Gowdish “AI Powered Plant Identification and Plant Disease Classification System” 4thInternational Conference on Sustainable Expert Systems (ICES 2024) DOI: 10.1109/ICES63445.2024.10763167.

- Mr. N. Premkumar, Mr. S. Sridharan, Mr. N. Magendiran & **Mr.R.V.Viswanathan, AP/IT** “Enhanced subtraction average based optimizer and blockchain for security and load balancing in fog computing” Wireless Networks (SCIE) <https://doi.org/10.1007/s11276-024-03869-0>.
- K.Baskar, **Dr.K.Muthumanickam, Prof./IT**, P. Vijayalakshmi & S. Kumarganesh “A Strong Password Manager Using Multiple Encryption Techniques” Journal of The Institution of Engineers (India): Series B (**SCOPUS & UGC**) <https://doi.org/10.1007/s40031-024-01144-6>, September 2024.

◆ FACULTY PRESENTATION IN CONFERENCE

- **Dr.R.Sathya, AP/IT** ‘Identification of Diabetic Retinopathy by Transfer Learning Based Retinal Images’ 9th International Conference on Communication and Electronics Systems (ICCES 2024) at PPG Institute of Technology, Coimbatore on 16th to 18th December 2025.
- **Mr.R.V.Viswanathan, AP/IT** ‘A Review on Segmented Flood Attack Detection in Cloud Networks using Machine Learning Methods’ Fifth International Conference on Sustainable Communication Networks and Application (ICSCNA 2024) at Bharath Niketan Engineering College, Theni on 11th to 13th December 2025.
- **Dr.R.Sathya, AP/IT** ‘Real Time Prediction of Diabetes by using Artificial Intelligence’ 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2024) held at M.P.Nachimuthu M. Jaganathan Engineering College, Erode on 23rd to 25th October 2024.
- **Dr.R.Sathya, AP/IT** ‘Air Pollution Monitoring System using Machine Learning Techniques for Smart Cities’ 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2024) held at M.P.Nachimuthu M. Jaganathan Engineering College, Erode on 23rd to 25th October 2024.
- **Dr.R.Sathya, AP/IT** ‘Advanced Dual Mobile Weapon Detection for Public SAFETY And Surveillance System’ International Conference on Sustainable Expert Systems (ICES 2024) held at Pokhara University, Nepal on 15th to 17th October 2024.
- **Dr.R.Sathya, AP/IT** ‘Integrating AI for Improved Brain Tumor Detection and Classification” 4th International Conference on Sustainable Expert Systems (ICES 2024) held at Pokhara University, Nepal on 15th to 17th October 2024.
- **Dr.J.Preetha, Prof./IT** “Advancing Safety in Cooperative Vehicle Platooning through IoT Connectivity and Convolutional Neural Network” 4th International Conference on Sustainable Expert Systems (ICES 2024) held at Pokhara University, Nepal on 15th to 17th October 2024.
- **Dr.R.Sathya, AP/IT** “AI Powered Crypt-Analysis for Identification of Encryption Algorithm” 4th International Conference on Sustainable Expert Systems (ICES 2024) held at Pokhara University, Nepal on 15th to 17th October 2024.
- **Dr.R.Sathya, AP/IT** “AI Powered Plant Identification and Plant Disease Classification System” 4th International Conference on Sustainable Expert Systems (ICES 2024) held at Pokhara University, Nepal on 15th to 17th October 2024.
- **Dr.K.Muthumanikam, Prof./IT** ‘A Novel Access Control Scheme to Prevent Data Breach in Smart phone’ 6th International Conference on Entrepreneurship, Innovation and Leadership (ICEIL) held at Amity University, Uttar Pradesh on 9th to 11th October 2024.
- **Dr.K.Muthumanikam, Prof./IT** ‘Enhancing Accessibility for Visually Impaired on Integrating Object, Distance and Face Detection’ 8th International Conference on I-SMAC held at Purwanchal Campus, Nepal on 3rd to 5th October 2024.
- **Dr.K.Muthumanikam, Prof./IT** ‘Assessing Secure Cloud Information Sharing Through Authentication and En-coded Indexing’ 8th International Conference on I-SMAC held at Purwanchal Campus, Nepal on 3rd to 5th October 2024.
- **Mr.S.Parthiban, AP/IT** ‘Enhanced Forgery Detection of Fake Fcae in Forensic Investigation using Convolution Neural Network’ 5th International Conference on Smart Electronics and Communication (ICOSEC 2024) held at Kongunadu College of Engineering and Technology on 18th to 20th September 2024.
- **Dr.R.Sathya, AP/IT** ‘An Intelligent Vehicle License Plate Detection for An Emergency Notification System’ 5th International Conference on Smart Electronics and Communication (ICOSEC 2024) held at Kongunadu College of Engineering and Technology on 18th to 20th September 2024.
- **Dr.R.Sathya, AP/IT** ‘Intelligent Rainfall Prediction and Flood Alert System using ML’ 5th International Conference on Smart Electronics and Communication (ICOSEC 2024) held at Kongunadu College of Engineering and Technology on 18th to 20th September 2024.

- **Dr.J.Preetha, Prof./IT** ‘Anomaly Detection in Electrocardiogram Signals using Autoencoders’ Asian Conference on Intelligent Technologies(ACOIT) held at Dr. T.Thimmaiah Institute of Technology, Kolar on 6th & 7th September 2024.
- **Dr.J.Preetha, Prof./IT** ‘VoIP Forensics with Deep Packet Inspection (DPI) and SIP Parsing’ International Conference on Development of Intermediate Scale Quantum Computing(IC-DISQC’2024) held at K.S.R College of Engineering, Triuchengode on 29th & 30th August 2024.
- **Dr.K.Muthumanikam, Prof. / IT** ‘Diagnosing Alzheimer Disease using MRI Scan: A Deep Learning Approach’ 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS 2024) held at Hindusthan College of Engineering and Technology, Coimbatore on 10th to 12th July 2024.
- **Dr.J.Preetha, Prof./IT** ‘Survival Analysis with Cox Proportional Hazards Model in Predicting Patient Outcomes’ 5th International Conference on Electronics and Sustainable Communication Systems (ICESC – 2024) held at Hindusthan College of Engineering and Technology, Coimbatore on 10th to 12th July 2024.
- **Dr.R.Sathya, AP/IT** ‘Data Mining and Text Mining Approach: Query based Information Retrieval using Genetic Algorithm’ 5th International Conference on Image Processing and Capsule Networks (ICIPCN – 2024) held at Kathmandu University Dhulikhel, Nepal on 3rd to 4th July 2024.

♦ STUDENTS ACHIEVEMENTS

- **Sathish Kumar N, Gowdish S, Abubakkar Siddiq A, Kanish P A of III Year** Information Technology won First prize in “Quiz” organized by J.J.College of Engineering and Technology on 19.10.2024.
- **Bharathraj R, Sadhana Kamaraj & Vasundara S of II Year** Information Technology won First prize in “Technical Quiz” organized by Gnanamani College of Technology, Namakkal on 09.10.2024.
- **Bharathraj R, Dheena R & Santhosh Kumar M of II Year** Information Technology won Second prize in “Paper Presentation” organized by Gnanamani College of Technology, Namakkal on 09.10.2024.
- **Mukilan S, Ragavendran S & Santhosh Kumar S of IV Year** Information Technology won Third prize in “Project Presentation” organized by Kongu Engineering College, Namakkal on 09.10.2024.

♦ NPTEL COURSE COMPLETED

- **57 Students from Second year** have successfully cleared the NPTEL Course on ‘Introduction to internet of Things’ during Jul to Oct 2024.
- **52 Students from Third year** have successfully cleared the NPTEL Course on ‘Introduction to internet of Things’ during Jul to Oct 2024.

♦ IIT SPOKEN TUTORIAL PARTICIPATION

- IIT spoken tutorial course on **C** was conducted for II year IT Students, out of 67 students, 66 Students successfully completed the certification Course.
- IIT spoken tutorial course on **HTML** was conducted for III year IT Students, out of 64 students, 64 Students successfully completed the certification Course.
- IIT spoken tutorial course on **PHP and MySQL** was conducted for IV year IT Students, out of 68 students, 65 Students successfully completed the certification Course.

♦ PROJECT PRESENTATION BY STUDENTS

- **Kaviraj D, Prasanna G, Praveen P & Yoga Preethi N of IV Year** Information Technology presented project in National Level “INNO BLITZ HACKTHON 1.0” organized by Sri Ramakrishana Engineering College, Coimbatore on 18.10.2024.
- **Hari Prasath S of IV Year** Information Technology presented project in National Level Technical Symposium “sangraha 2k24” organized by Sri Ramakrishana Engineering College, Coimbatore on 15.10.2024.
- **Anas Mohammed, Barathi B, Hari haran I, Jayaveeran K, Kabilan M, Sriram M & Yogaprabhu S of II Year** Information Technology presented project in National Level Technical Symposium “Sangraha 2k24” organized by Sri Ramakrishana Engineering College, Coimbatore on 15.10.2024.
- **Jawahar G, Loganathan S of III Year** Information Technology presented project in national Level Project Expo “INFINITY V3.0” organized by Kongu Engineering College, Erode on 09.10.2024.

✦ PROJECT EXPO BY STUDENTS

- **Hari Prasath S of IV Year** Information Technology participated in Project Expo in National Level Technical Symposium “GNYAN ELECTRACOMMUNIX” organized by Gnanamani College of Technology, Namakkal on 09.10.2024.
- **Logeshwaran V of III Year** Information Technology participated in Project Expo in National Level Technical Symposium “GNYAN ELECTRACOMMUNIX” organized by Gnanamani College of Technology, Namakkal on 09.10.2024.
- **Sadhana K, Vasundara S & Yuvakarthyane S of II Year** Information Technology participated in Project Expo in National Level Technical Symposium “GNYAN ELECTRACOMMUNIX” organized by Gnanamani College of Technology, Namakkal on 09.10.2024.

✦ HACKATHON BY STUDENTS

- **Thilak P & Levin R of III Year** Information Technology Participated in 24 - Hour Hackathon – ETHICAL HACKTHIVE organized by KPR Institute of Engineering and Technology, Coimbatore on 18.10.2024 & 19.10.2024.
- **Dhivya S, Janani E, Shahin Abdul Razack, Tamil Selvan K & Trisha of IV Year** Information Technology Participated in National Level Hackathon 2024 “GenAI Hackathon 2024” organized by KPR Institute of Engineering and Technology, Coimbatore on 04.10.2024 & 05.10.2024.
- **Ajay K of III Year** Information Technology Participated in National Level Hackathon 2024 “GenAI Hackathon 2024” organized by KPR Institute of Engineering and Technology, Coimbatore on 04.10.2024 & 05.10.2024.
- **Abubakar Siqqiq A, Gowdish S, Surya P & Sundaraguru S M of III Year** Information Technology Participated in National Level Hackathon – “HACKFEST - 2k24” organized by Erode Sengunthar Engineering College, Erode on 25.09.2024 to 27.09.2024.

✦ PAPER PRESENTATION BY STUDENTS

- **Ramakrishnan R, Ragavan M, Balasubramaniyan M, Gunakar R, Praveen P, Yoga Preethi, Prasanna G of IV Year** Information Technology presented paper in National Level Symposium “CYSTECH2K24” organized by Dhanalakshmi College of Engineering on 09.10.2024.

- **Yuvakarthyane S, Vasundara S, Sadhana K, Gokul T & Srivarshan S of II Year** Information Technology presented paper in National Level Technical Symposium “GNYAN ELECTRACOMMUNIX” organized by Gnanamani College of Technology, Namakkal on 09.10.2024
- **Harini K, Lidiya R, Shahira Begam A, Rohini P, Thanish G M, Sri Sanjay K, Surya P & Buvaneswaran R of III Year** Information Technology presented paper in National Level Technical Symposium “GNYAN ELECTRACOMMUNIX” organized by Gnanamani College of Technology, Namakkal on 09.10.2024.
- **Saravanavel V, Arun Kumar P, Subramaniyan M, Manikandan P A, Nithish Kumar A, Dharani C, Eswari L R, Karthikeyan S, Gowtham S, Muthumarasamy S, Naveen K, Kishore S, Mohamed Faize A, Mohamed Fazil H & Mohamed Farees J of II Year** Information Technology presented paper in National Level Technical Symposium “TECHXPLORE’24” organized by Annapoorana Engineering College, Salem on 08.10.2024.
- **Dharshini A, Devaki B & Dharshika M of II Year** Information Technology presented paper in 20th National Level Technical Symposium “ZERONE – 2K24” organized by Velalar College of Engineering and Technology, Erode on 05.10.2024.
- **Nithya R, Nathiya B, Roshini A, Kaviya S, Thaila Sri R, Srinithi G & Pooja Sri S of II Year** Information Technology presented paper in 20th National Level Technical Symposium “AIRO’24” organized by Velalar College of Engineering and Technology, Erode on 05.10.2024.
- **Pooja R, Kanishka N, Sahana M & Dharanya K of II Year** Information Technology presented paper in National Level Technical Symposium organized by Sri Sai Ranganathan Engineering College on 04.10.2024.
- **Monisha of III Year** Information Technology presented paper in National Level Technical Symposium “GRID2K24” organized by KSR College of Engineering, Trichengode on 28.09.2024.
- **Abinaya V, Sneha M, Swetha V, Dhivya M, Gayathri R, Gayathri J, Pavithra R, Sabeena J, Sudheeksha R, Elamathi N, Pooja R, Kavibalan B, Kalaiselvi S & Vikram K of III Year** Information Technology presented paper in 17th State Level Technical Symposium “e – Mission 2K24” organized by M.A.M College of Engineering on 25.09.2024.

- **Thilak P, Levin R, Akash Kanna A & Sundara Guru S M of III Year** Information Technology presented paper in 19th National Level Symposium “COMBLAZE-2K4” organized by M.A.M College of Engineering on 24.09.2024.

✦ CONFERENCE PRESENTATION BY STUDENTS

✦ INTERNATIONAL CONFERENCE

- **Sabeena J, Kalaiselvi S & Gayathri J of III Year** Information Technology presented paper on “E-Commerce Data Integrative and Initiative” International Conference on Additive Manufacturing Technologies” held at Mahendra Institute of Technology, Namakkal on 17 & 18.10.2024.
- **Kathirvel T, Harish Vishnu K, Mukesh Rajan N of IV Year** Information Technology presented paper on “AI Powered Crypt-Analysis for Identification of Encryption Algorithm” 4th International Conference on Sustainable Expert Systems (ICSES 2024) held at Pokhara University, Nepal on 15 to 17.10.2024.
- **Abubakkar Siddiq A, Gokul Sanjay M & Gowdish S of III Year** Information Technology presented paper on “AI Powered Plant Identification and Plant Disease Classification System” 4th International Conference on Sustainable Expert Systems (ICSES 2024) held at Pokhara University, Nepal on 15 to 17.10.2024.
- **Dhivya M, Lidya R & Sowmiya P of III Year** Information Technology presented paper on “Integrating AI for Improved Brain Tumor Detection and Classification” 4th International Conference on Sustainable Expert Systems (ICSES 2024) held at Pokhara University, Nepal on 15 to 17.10.2024.
- **Harish Vishnu K & Naveen J N of IV Year** Information Technology presented paper on “Intelligent Rainfall Prediction and Flood Alert System using ML” 5th International Conference on Smart Electronics and Communication (ICOSEC 2024) held at Kongunadu College of Engineering and Technology on 18 to 20.09.2024.
- **Kathirvel T & Shahin Abdul Razack T of IV Year** Information Technology presented paper on “An Intelligent Vehicle Plate Detection for an Emergency Notification System” 5th International Conference on Smart Electronics and Communication (ICOSEC 2024) held at Kongunadu College of Engineering and Technology on 18 to 20.09.2024.

✦ JOURNAL PUBLICATION

- L. Raja, V. C. Bharathi, S. Ananthi, Dr.R.Sathya, AP/IT, **T. Kathirvel** and **T. Shahin Abdul Razack** “An Intelligent Vehicle License Plate Detection for an Emergency Notification System” 5th International Conference on Smart Electronics and Communication (ICOSEC 24) IEEE Explore DOI: 10.1109/ICOSEC61587.2024.10722714.
- V. Yamuna, P. RVS, Dr.R.Sathya, AP/ IT, **M. Dhivva, R. Lidiya and P. Sowmiya** “Integrating AI for Improved Brain Tumor Detection and Classification” 4th International Conference on Sustainable Expert Systems (ICSES 2024) DOI: 10.1109/ICSES63445.2024.10763262.
- RVS. Praveen, U. Hemavathi, Dr.R.Sathya, AP/IT, **A. Abubakkar Siddiq, M. Gokul Sanjay and S. Gowdish** “AI Powered Plant Identification and Plant Disease Classification System” 4th International Conference on Sustainable Expert Systems (ICSES 2024) DOI: 10.1109/ICSES63445.2024.10763167.

✦ INTERNSHIP

- esoft IT Solutions, Tiruchirappalli
- ISQUARECS, Tiruchirappalli
- Green Soft Groups, Tiruchirappalli
- Litz tech India Pvt Ltd, Coimbatore
- ZIDIO DEVELOPMENT PVT LTD, Karnataka
- CLOUD LOGIC Technology Pvt. Ltd, Coimbatore
- Life Changers Ind., Tirunelveli
- Skynoveau Technology, Namakkal
- Ascent Circuits Pvt Ltd, Hosur
- Zencrop Techno Solutions, Coimbatore
- Adventure technology solutions PVT LTD, Chennai

✦ INDUSTRIAL VISIT

- Kerala Electrical & Allied Engineering, Kerala
- TECHVOLT Software Pvt. Ltd., Coimbatore

✦ VALUE ADDED COURSE

- Value added course on **VACIT10 - Exploring IDE and Open Source tools for Cyber Security** was conducted for II year IT Students, 64 Students successfully completed. The Course conducted by Mr. Dinesh Paranthagan, Ethical Hacker, Hackup Technology Pvt. Ltd, Coimbatore.
- Value added course on **VACIT11 - Advanced Cyber Security through Penetration Testing** was conducted for III year IT Students, 64 Students successfully completed. The Course conducted by Mr. Dinesh Paranthagan, Ethical Hacker, Hackup Technology Pvt. Ltd, Coimbatore
- Value added course on **VACIT12 - Cyber Security Essentials** was conducted for II year IT Students, 67 Students successfully completed. The Course conducted by Mr. Dinesh Paranthagan, Ethical Hacker, Hackup Technology Pvt. Ltd, Coimbatore.

✦ FACULTY INDUSTRIAL TRAINING DETAILS

S.No	Faculty Name	Subject Handled	Actual Date of Visit	Company Name and Address
1	Dr.R.Sathya	Data Analytics Concepts, tools and Techniques. Hadoop Environment	12.12.2024 to 14.12.2024	Marcello Tech, Trichy
2	Mr.R.Palani Kumar	Integration of Database into Real Time Applications	19.12.2024 to 21.12.2024	Yellowmatics, Erode
3	Mr.J.Sathishkumar	Building Ecommerce with Databases	19.12.2024 to 21.12.2024	Yellowmatics, Erode
4	Mr.R.V.Viswanathan	Cloud Automation and Devops	19.12.2024 to 21.12.2024	Litz Tech, Coimbatore
5	Mrs.R.Aruna	Data Analytics Concepts, tools and Techniques. Hadoop Environment	12.12.2024 to 14.12.2024	Marcello Tech, Trichy
6	Dr.M.Suganthi	Operating Systems	19.12.2024 to 21.12.2024	Yovan Technologies, Erode
7	Mr.S.Parthiban	Bigdata Analytics	19.12.2024 to 21.12.2024	Yovan Technologies, Erode
8	Mr.K.S.Manojee	Graphical User Interface	26.12.2024 to 28.12.2024	Open Minds 1x, Karur
9	Mr.S.Santhanaraj	Database Integration using C	26.12.2024 to 28.12.2024	Litz Tech, Coimbatore
10	Mrs.A.Mohanadevi	Mobile Applications Development using Android	16.12.2024 to 18.12.2024	Marcello Tech, Trichy

✦ PLACEMENT

Name of the Company	Number of Students Placed	Salary
Techvolt Software Pvt. Ltd.	04	2.4 L
KG Invicta Services Pvt. Ltd.	05	2.8 L
V Dart	02	1.92 L
VR Della Info Tech.	02	2.8 L
Omega Healthcare	05	3 L
VThink Global Technologies Ptv. Ltd.	1	3.6 L

COLLEGE VISION / MISSION

VISION

“To become an internationally renowned Institution in technical education, research and development, by transforming the students into competent professionals with leadership skills and ethical values.”

MISSION

- Providing the Best Resources and Infrastructure.
- Creating Learner centric Environment and continuous –Learning.
- Promoting Effective Links with Intellectuals and Industries.
- Enriching Employability and Entrepreneurial Skills.
- Adapting to Changes for Sustainable Development



KONGUNADU

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