



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Accredited by NAAC with 'A+' Grade

Thindal, Erode - 638 012

NEWSLETTER

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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MESSAGE FROM THE HOD

Our Department of Computer Science & Engineering (CSE) is dedicated for ensuring great careers for its students. Our faculty and students are constantly striving to excel and to advance the state of the art in Computer Science and Engineering. Our understanding is that persons who are clear and thorough about the fundamentals can adapt to rapid changes in technology relatively easily.

We want the education imparted to our students to be the basis of a life time of learning. Learning is a continuous process and does not end with the acquisition of a degree, especially because steady and rapid advances in computing technologies shorten the life of tools and techniques prevalent today. We believe that this approach to teaching-learning, coupled with practical experience gained during Industrial Training in reputed organizations, equips our students to handle the challenges posed by the software industry.

VISION

To produce competent professionals for a globalized technological society by preparing them to become part of the industry and research organizations in the field of science and technology and orient them towards serving the society.

MISSION

- Strengthening the core competence in Computer Science and Engineering through analytical learning and Industry – Institute interaction.
- Providing exposure to latest tools and technologies in the core area to design solutions and conduct investigations.



- Promoting innovative research based projects / activities in the emerging areas of technology convergence.
- Inculcating professional behavior, strong ethical values, leadership abilities, entrepreneurship skills and commitment to lifelong learning

PROGRAM EDUCATIONAL OBJECTIVES

Our graduates after few years of graduation will:

Preparation: Develop professional skills for a successful professional career as an engineer, scientist, technocrat, administrator or an entrepreneur.

Core Competence: Design and implement practical systems consisting of software and/or hardware components through the key principles and practices of computation, mathematics and basic principles of engineering.

Multidisciplinary: Design and apply new ideas and technologies as the field evolves, to solve real world problems in related interdisciplinary areas.

Professional Environment: Demonstrate professional attitude and ethics, effective communication, team work and managerial skills for societal, environmental and global context.

Learning Environment: Engage in continuing education and training and acquire professional competence through lifelong learning.

PROGRAM OUTCOMES

Graduates will be able to

PO1: Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

PO3: Design/Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems.

PO5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: 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.

PO7: 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.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES

PSO1. Apply a variety of programming skills to solve business problems

PSO2. Apply design principles in the construction of computing systems and expert systems of varying complexity.

ACADEMIC CONCLAVES IN VCET

ASSOCIATION ACTIVITIES

- Organized a 'Poster Design Contest' event on 11.03.2024.

- Organized Hands-on training on 'Full Stack Development' on 18.03.2024 & 19.03.2024.

- Conducted an Intra Department meet on 03.04.2024.

- Mrs. Vidhya R, Mrs. Vishalakshi R, Dr Gokulraj S, Dr Russia S has conducted Mock Interview as part of Intra Department Meet.

- Organized Hands-on training on 'react.js' for beginners, getting started with frontend development from 13.05.2024 to 15.05.2024.

- Organized a valedictory function of association, clubs and chapters activities for the academic year 2023 – 24 on 02.05.2024.

PLACEMENT ACTIVITIES

- Abitha Lakshmi S , Jothika G S , Sameer A , Saumya S & Sruthi K I got placed in '[24]7.ai'.

- Aarthi C V, Harshini M, Hemalatha G, Kavyasri R, Haritha S & Sangamitra B got placed in 'Tech Mahindra BPO'.

- Sowbharanika S got placed in 'Data PrivePvt Ltd'.

- Priyadharshini K & Vikrambharathi E V got placed in 'Xenove Technologies Pvt Ltd'.

- VighneshRaaghav G got placed in 'Rapid Data' (Off Campus, held at Erode Sengunthar Engineering College).

- Sadhana S got placed in 'Quadruple Entreprise'.

- Sudharsan M P got placed in 'Rigel Soft Technology Pvt Ltd'.

- Subash S got placed in 'Maxval IP Services'.

- Vanathi D got placed in 'Skyraan Technologies'.

- Sruthi K I got placed in 'Daxfo'.

- Abitha Lakshmi S got placed in 'TPF Software', CTC Offered 4.6 lakhs per annum.

- 10 students got placed in 'TCS', CTC Offered 4.0 lakhs per annum.

- Deebak M, Divagar S, Harinisha E M, Ponkeerthana N D & Varshini V S got placed in 'CTS', CTC Offered 4.0 lakhs per annum.

- Janani S B got placed in 'DELOITTE', CTC Offered 6.0 lakhs per annum.

- Sharmatha V got placed in 'Florida Infotech', CTC Offered 6.0 lakhs per annum.



ALUMNI INTERACTION MEET

- Organized an Alumni Interaction Meet with third year students on the topic 'Innovative Product Development Strategies for Startup Process' by Dr. T. Rajasekaran [2004-2008 Batch], Assistant Professor [SI.G], Department of CSE, KPR Institute of Engineering and Technology Coimbatore.

STUDENTS ACTIVITIES

- 8 Students of second year A and B section have Participated in the "Dark Pattern Buster Hackathon" Final Round held at IIT BHU, Varanasi on 17/02/2024.

- Mr. Kiribalan S, Mr. Vijay K, Mr. Piruthvi M & Mr. Mukilan S S have Participated in the PALS Pitch Deck held at IIT Madras, Chennai on 10/05/2024.

INTERNSHIP

- 20 Students of second year A and B section students have completed their Internships at various companies.

CLUB ACTIVITIES

HACKERS BAY CLUB

- The 'Cyber Bullying' awareness program, led by Aakash SL (Joint Secretary), was designed to empower 2nd-year students with the knowledge and tools to tackle daily cyber threats. Held on 08.03.2024, the event provided crucial insights into safeguarding against cyberbullying and related issues.



- The Hackers Bay Club conducted a Quiz Programme on 26.04.2024, engaging 2nd and 3rd-year students in a cybersecurity challenge that tested and expanded their knowledge on key topics.



DATA PIRATES

- The event "Innovative Product Development Strategies for Startup Success," held on 23.03.2024, focused on unlocking startup potential through strategic product development. It was conducted by Dr. T. Rajasekaran, M.E, Ph.D.



- Organized a seminar "Guide To IEEE Paper Composition" on 09.02.2024 by Dr. V. Kavitha ASP for 3rd Years.

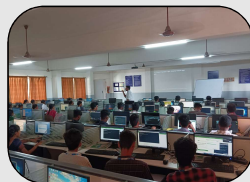
TECH CREW CLUB

- A creative problem-solving event for 3rd year students, "Thinkathon" in which students were tasked with developing innovative solutions to a specific challenge aims to foster creativity and teamwork. The event was held on 10.02.2024, conducted by Harshana D (Chief Innovator).
- A creative problem-solving event for 2nd year students, "Thinkathon 2.0" challenges teams to develop innovative solutions to a specific challenge aims to foster creativity and teamwork. The event was held on 09.03.2024, conducted by Aakash SL (Trainer).
- A two-day full stack development session was designed to provide a platform for 2nd year students to apply their theoretical knowledge of programming to real-world challenges. The event was held on 18.03.2024 & 19.03.2024, conducted by Dharshini E (Convener).



PYLAMP CLUB

- The online event "Techie Tangram," held on 29.01.2024, challenged students with a set of quizzes related to various technical domains. This engaging competition tested participants' knowledge in fields like programming, data structures, and more. The event was conducted by Lamin Muhammed (Tech Champ) and Gokul B (Senior PyMentor).
- The online coding event 'Code Quest 2K24' was held on 19.04.2024, focusing on enhancing problem-solving skills in algorithms and data structures. It helped 2nd & 3rd-year students prepare for placements by solving coding challenges under time constraints.
- The "Git and GitHub" session, held on 29.04.2024 for 3rd-year students, offered a comprehensive guide to version control and collaboration using Git and GitHub. The event focused on essential tools for managing code changes and working in teams efficiently. It was conducted by Lamin Muhammed M (Tech Champ) and Mukilan SS (PyMentor).



CSI CLUB

- Conducted a Design Thinking workshop as part of the CSI initiative on 16/01/2024, The session focused on fostering creative problem-solving skills and encouraging innovative thinking among participants. Through collaborative activities, we explored new approaches to tackle challenges and enhance the overall learning experience.



FACULTY ACHIEVEMENTS

CONFERENCES

- Dr.S Jabeen Begum & Vishalakshi R have presented their paper 'High Utility Data Pruning In E-Commerce Applications Using Datamining' in the International Conference on 'Research Trends in AI and IoT for Infrastructure and Industry' (AIII 2024), held from 06.03.2024 to 08.03.2024, Organized by Centre for research Anna University, Chennai.

- Dr.V LathaJothi have presented their paper 'Enhanced Security with Efficient Sensitive Data Hiding for Cloud Storage' in the International Conference on 'Research Trends in AI and IoT for Infrastructure and Industry' (AIII 2024), held from 06.03.2024 to 08.03.2024, Organized by Centre for research Anna University, Chennai.
- Dr.S Russia have presented their paper 'Internet of Things (IOT) Based Smart Environmental Monitoring for Grey Oyster Mushroom Cultivation' in the International Conference on 'Research Trends in AI and IoT for Infrastructure and Industry' (AIII 2024), held from 06.03.2024 to 08.03.2024, Organized by Centre for research Anna University, Chennai.
- Dr.S Gokulraj have presented their paper 'Identification of Bird Species using Acoustic Features and Convolutional Neural Network' in the International Conference on 'Research Trends in AI and IoT for Infrastructure and Industry' (AIII 2024), held from 06.03.2024 to 08.03.2024, Organized by Centre for research Anna University, Chennai.
- Dr.S Jabeen Begum have presented their paper 'Enhanced Performance Sales of E-Commerce Applications using Data Mining' in the Fourth international conference on Artificial Intelligence and Smart Computing 2024(ICAISC'24) held from 14.03.2024 – 16.03.2024 at Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu.
- Dr.V Latha Jothi have presented their paper 'Enhanced Data Integrity with Cloud Storage' in the Fourth international conference on Artificial Intelligence and Smart Computing 2024(ICAISC'24) held from 14.03.2024 – 16.03.2024 at Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu.
- Dr.S Gokulraj have presented their paper 'Image and Audio Identification of Bird Species using Spectral features and Convolutional Neural Network' in the Fourth international conference on Artificial Intelligence and Smart Computing 2024(ICAISC'24) held from 14.03.2024 – 16.03.2024 at Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu.
- Ms.Vidhya R have presented their paper 'Enhanced Performance Sales of E-commerce Applications using Data Mining' in the Fourth international conference on Artificial Intelligence and Smart Computing 2024(ICAISC'24) held from 14.03.2024 – 16.03.2024 at Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu.
- Dr.S.Russia presented a paper entitled 'Sustainable Precision Farming Using Machine Learning Algorithms' at 2nd International Conference on Innovative Trends in Engineering and Sciences (ICITES'24) held from 26.03.204 and 27.03.2024, organized by Bannari Amman Institute of Technology, Sathyamangalam.
- Ms.I.Nivetha presented a paper entitled 'Seeing Beyond Sight: Assistive Vision Devices Enhanced by Semantic Segmentation' at National conference on Recent trends in Artificial Intelligence and Soft computing held on 24.01.2024, organized by Bannari Amman Institute of Technology.
- Dr.S Russia have presented their paper 'House Price Prediction using Deep Learning' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Ms.S Devisri have presented their paper 'Diabetic Retinopathy Detection using Deep Learning' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.

- Ms.I Nivetha have presented their paper 'Hybrid Artificial and intelligent system for health care application based on doctor's recommendation and drug' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Mr.AP Gopu have presented their paper 'Enhancing healthcare with classification modeling of Chronic kidney disease' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Mr.P Mariappan have presented their paper 'Predictive Modeling for Water Borehole Drilling using Machine Learning' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Mr.P Mariappan have presented their paper 'Strategic VM Placement for Enhanced Performance:Real –Time Monitoring and Resource Analysis' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Ms.R Vishalakshi & Ms.S Dhivya have presented their paper 'Multi-Level Attention Networks for Multi-Step Citywide Passenger Demands Prediction' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Ms.S Dhivya have presented their paper 'Real Estate Housing Web Application with VR Tech Integration' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Mr.S Senthilnathan have presented their paper 'Vlang: A Minimalist Language for Rapid Android Development' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Mr.S Senthilnathan have presented their paper 'An Intelligent Fusion of Vehicle Detection and Counting for Real – Time Surveillance' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Ms.R Vishalakshi have presented their paper 'An Enhanced Machine Learning Framework for Fake News Identification' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- Dr.V Kavitha have presented their paper 'Secure Social Media With Image and Text Moderation' in the 8th international conference on Engineering Technology and Science (ICETS'24) held on 20.03.2024, organized by Muthayammal college of Engineering, Rasipuram.
- MsVidhya R presented a paper entitled 'Identification of Bird Species using LSTM with MFSS across a framework' at 10th National Conference on Emerging Trends in Engineering and Technology held on 6th APRIL 2024, organized by Nandha College of Technology.
- Ms.R.Vishalakshi presented a paper entitled 'An automated skin cancer lesion diagnosis system using efficient deep learning' at Kamaraj International Conference on Recent Trends in Science, Engineering and Technology' (KIRSET'24) held on 16th April 2024 (ISBN: 978-81-972203-5-7), organized by Kamaraj College of Engineering and Technology, Virudhunagar.
- Ms.R.Vishalakshi presented a paper entitled 'An automated skin cancer lesion diagnosis system using efficient deep learning' at Kamaraj International Conference on Recent Trends in Science, Engineering and Technology' (KIRSET'24) held on 16th April 2024 (ISBN: 978-81-972203-5-7), organized by Kamaraj College of Engineering and Technology, Virudhunagar.
- Ms.V.Raagavarsini presented a paper entitled 'Blockchain Powered - Transparency in Organ Donation and Transplantation' at 4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024) held from 21.03.2024 – 22.03.2024, organized by Velammal Institute of Technology, Chennai.
- Ms.D.Yamunathangam presented a paper entitled 'Crime Prediction and Forecasting using MLP & K-Means Clustering Algorithms' at International Conference on Innovation in computing and technology held from 27.03.2024, organized by Velammal Institute of Technology, Chennai.
- Dr.V.Kavitha presented a paper entitled 'Educational Empowerment: Guided Paths To Excellence" at International Conference on Innovation in computing and technology held from 21.03.2024 to 22.03.2024, organized by Velammal Institute of Technology, Chennai.
- Dr.V.Kavitha presented a paper entitled 'Spider Monkey Optimization Algorithm for Sentimental Evaluation of Amazon Reviews" at IEEE Conference on ICCCI held from 29.01.2024 to 31.01.2024, organized by Sri Sakthi Institute of Engineering Technology, Coimbatore.
- Dr.S.Jabeen Begum has Presented a paper 'Smartsecure Web Security Scanner with AI Assiatance', 2nd International Conference on Innovative Trends in Engineering and Sciences(ICITES'24) in Bannari Amman Institute of Technology, Sathyamangalam on 26.04.2024 to 27.04.2024.
- Ms. C.Kotteeswari has Presented a paper in 'Detection and Diagnosis of Faculty Photovoltaic Modules Through Machine Learning Algorithms' International Conference on Intelligence Computing and Information Technology(ICIT-24) conducted by Erode Sengunthar Engineering College, Erode on 03.04.2024 to 04.04.2024.
- Ms.R Vidhya has presented a paper 'Identification of Bird Species using LSTM with MFSS across a framework', in 10th National Conference on Emerging Trends in Engineering and Technology conducted by Nandha College Of Technology on 06.04.2024.
- Mr.A.P.Gopu presented a paper 'Stock Price Prediction Using Linear Regression' in Intelligent Computing and Information Technology organized by Erode Sengunthar Engineering College, Erode from 03.04.2024 to 04.04.2024.
- Ms.S.Devisri presented a paper 'Revolutionizing Aizheimer's Diagonis CNN-based Early Detection Through Blood Plasma Analysis' in IASICT'24 in Karpagam Institute of Technology on 05.04.2024.

- Ms.Thilagarani M has Presented a paper 'Tamil Hand Writing Text Recognition' in the Emerging Trends in Engineering and Technology Conducted by Nandha College of Technology on 06.04.2024.
- Dr.V Kavitha have presented their paper 'Secure Social Media with Image and Text Moderation' in 8th International Conference on Engineering Technology and Science (ICETS'24) conducted by Muthayammal College of Engineering, Rasipuram on 20.04.2024.
- Mr.P Mariappan have presented their paper 'Strategic VM Placement for Enhanced Performance: Real -Time Monitoring and Resource Analysis' in 8th International Conference on Engineering Technology and Science (ICETS'24) conducted by Muthayammal College of Engineering, Rasipuram on 20.04.2024.
- Mr.P Mariappan have presented their paper 'Predictive Modeling for Water Borehole Drilling using Machine Learning' in 8th International Conference on Engineering Technology and Science (ICETS'24) conducted by Muthayammal College of Engineering, Rasipuram on 20.04.2024.
- Ms.S Nithya have presented their paper 'Analyzing App Reviews Using adaboost SVM' in International Conference on Recent Trends in Science, Engineering and Technology Conducted by Kamaraj College of Engineering and Technology on 16.04.2024.
- Ms.S Nithya have presented their paper 'An NLP approach for product rating prediction based on customer reviews and product features' in International Conference on Recent Trends in Science, Engineering and Technology Conducted by Kamaraj College of Engineering and Technology on 16.04.2024.
- Ms. V RaagaVarsini have presented their paper 'IOT Enhanced IV Bag Monitoring With Vital Signs And Emergency Alerts' in International Conference on Recent Trends in Science, Engineering and Technology Conducted by Kamaraj College of Engineering and Technology on 16.04.2024.
- Ms.M.Nanthini has attended the FDP on Building Advanced Data Analytics Applications with Cloud under Next Gen Employability Program from 29.01.2024 to 02.02.2024.
- Ms.S.Dhivya has attended the FDP on 'Cloud computing and Distributed systems' FEB-MARCH 2024 conducted by NPTEL-AICTE.
- Ms.D.Yamunathangam has successfully completed FDP on Effective Engineering Teaching in Practice from Jan –Feb 2024 conducted by NPTEL-AICTE.
- Ms.R Vishalakshi participated in FDP on 'How Teachers Can Make a Difference' from 26.03.2024 to 28.03.2024 conducted by Teaching Learning Center (TLC), IIT Madras, Chennai.
- Dr.S.Russia has attended the Online FDP on 'Programming Essentials in Python', conducted by ICT Academy from 29.04.2024 to 04.05.2024.
- Dr.S.Russia, Dr.V.Kavitha has Attended Faculty Enablement Program (FEP) on 'Phase 3 on Machine Learning & NLP using Python' through Infosys Springboard platform on 24.06.2024 to 28.06.2024.
- Ms.M.Thilagrani, Ms.S.Nithya has attended the online FDP on 'Effective Research paper writing strategies and high impact journal publication techniques' conducted by Kongu Engineering College from 22.04.2024 to 26.04.2024.

WORKSHOPS ATTENDED

- Dr.S. Jabeen Begum & Dr.V.LathaJothi attended the workshop on '21st Century Teaching and Learning Tools' organized by NPTEL and IIT, Madras on 20.01.2024.
- Ms.S.Devisri, Ms.V.Raagavarsini& M.Nandhini attended the 'National Level work shop on Data Science and Analytics' organized by the department of AIDS, Erode Sengunthar Engineering College, Perundurai, on 08.03.2024.
- Dr.V.Latha Jothi attended a workshop on 'Roadmap for Success: Mastering Strategy Formulation with Chat GPT' organized by NPTEL and IIT Madras on 22.06.2024.

KEY NOTE ADDRESS DELIVERED

- Dr.V LathaJothi acted as the reviewer for International Conference on Distributed Computing and Optimization Techniques(ICDCOT - 2024) organized by SJB Institute of Technology, Bengaluru on 15.03.24 and 16.03.24.
- Dr.V Latha Jothi acted as the Technical reviewer for the International Conference on IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) organized by Nitte Meenakshi Institute of Technology, Bengaluru on 09.08.2024 and 10.08.2024.
- Dr.V Latha Jothi acted as the Technical chair in the International Conference on Information Technologies and Smart Systems 2024 (ICITSS-2024) held on 03.04.2024 & 04.04.2024 in JP College of Engineering.
- Dr.S.Russia acted as a resource person in DST-SERB sponsored 2nd National Level Technical Symposium on 'Innovations in Intelligent Systems and Soft Computing' and delivered the keynote address on 'Soft Computing and Intelligent Systems: Techniques and Applications' organized by Department of CSE of Muthayammal Engineering College, Rasipuram on 06.01.2024.
- Dr.S.Russia acted as a resource person for the seminar on 'TensorFlow for Machine Learning' organized by the Department of ECE of Velalar College of Engineering and Technology, Erode on 06.02.2024.

FDP ATTENDED

- Dr.S.Jabeen Begum, Dr.V.Latha Jothi, Dr.S.Russia, has attended the FDP on 'ICT Tools for Researchers and Teachers', by Faculty Development Training Centre, GCT, Coimbatore &ValivalamDesikar Polytechnic College, Nagapattinam from 18.03.2024 to 22.03.2024.
- Dr.V.Latha Jothi attended the AICTE sponsored FDP on 'Graph Theory' from January - March 2024.
- Dr.S.Russia, has attended the Anna University sponsored FDP on 'Industrial IoT and Industry 4.0', by Vivekanandha College of Engineering For Women, Namakkal from 12.02.2024 to 17.02.2024.
- Mrs.R Vidhya has attended an ICT Academy sponsored online FDP on 'Tensor Flow for Machine Learning' organized by ICTACT, CSE, VCET from 26.02.2024 to 01.02.2024.
- Dr.S.Gokulraj has successfully participated in IP Awareness Training program under National Intellectual Property Awareness on 11.03.2024 organized by Intellectual Property office, India.
- Ms.M.Thilagarani, Ms.S.Nithya has attended the FDP on 'Python for Data Science' JAN-FEB 2024 Conducted by NPTEL-AICTE.

- Dr.S.Russia acted as the reviewer for Second International Conference on 'Artificial Intelligence and Machine Learning Applications' (AIMLA) organized by K.S.Rangasamy College of Technology, Tamil Nadu, India on 15.03.24 and 16.03.24.
- Ms.D.Yamunathangam acted as the resource person for the seminar organized by IT department & IEI of VCET , on 1.3.24 in the topic 'Real time entity based abstract data types and its primitives in Python Programming paradigms'.
- Mrs. Vidhya R acted as the resource person for the 3 days Hands-on training on 'Android Application Development' organized by Department of EEE, VCET from 18.3.24 to 20.03.24.
- Dr.V.Kavitha acted as the reviewer for the 2 days International Conference in 'International Conference in Disruptive Technologies(ICDT2024)' organized by GL Balaji Institute of Technology, Noida from 15.3.24 to 16.03.24.
- Dr.V.LathaJothi, Dr.S.Russia and Dr.V.Kavitha acted as a Resource Person for the Value Added Course on '18CSV01 R Programming' held from 22.04.2024 to 26.04.2024.

NPTEL PROGRAMS ATTENDED

- Dr.V. LathaJothi completed the course on Graph Theory with Elite + Silver certification in the exams held in Jan – Mar 2024 session.
- Dr.V.Latha Jothi received the Top performing Mentor award for the course 'Introduction to Industry 4.0 and Industrial Internet of Things' in Jan –Apr 2024 examinations.
- Dr.V.Latha Jothi received NPTEL Discipline Star based on the results held in Jan –Apr 2024 examinations.
- Dr.V.Latha Jothi successfully completed the NPTEL course on 'Discrete Mathematics' in Jan –Apr 2024 examinations.
- Ms.M.Thilagarani Completed the course on Python for Data Science with Elite + Silver certification in the exams held in Jan –Feb 2024 session.
- Ms.S.Nithya Completed the course on Python for Data Science with Elite + Silver certification in the exams held in Jan –Feb 2024 session.
- Ms.S.Devisri has successfully completed the course on 'Effective Engineering Teaching in Practice with Elite Certification in the exams held on Jan-Feb 2024 session.
- Ms.I.Nivetha has successfully completed the course on Software Testing with Completion Certification in the exams held on Jan-Feb 2024 session.
- Dr.V.Kavitha has successfully completed the course on Software Testing with Completion Certification in the exams held on Jan-Feb 2024 session.
- Ms.S Dhivya has successfully completed the course on Cloud Computing and Distributed Systems Certification in the exams held on Jan-Feb 2024 session.
- Ms.D.Yamunathangam has successfully completed NPTEL course on Effective Engineering Teaching in Practice from Jan –Feb 2024.
- Dr.S.Russia received Mentor award for the course 'Data Analytics with Python' in Jan – Apr 2024 NPTEL examinations.
- Ms.M.Thilagarani received Mentor award for the course 'Privacy and Security in Online Social Media' in Jan – Apr 2024 NPTEL examinations.

- Ms.S.Nithya received Mentor award for the course 'Privacy and Security in Online Social Media' in Jan – Apr 2024 NPTEL examinations.

BOOK PUBLICATIONS

- Dr. S. Gokulraj, published a book entitled 'Artificial Intelligence and Machine Learning –Principles and Applications', San International Scientific Publications, ISBN - 978-81-973428-9-9, Published on 25.05.2024.

RESEARCH ACTIVITIES

JOURNAL PUBLICATIONS

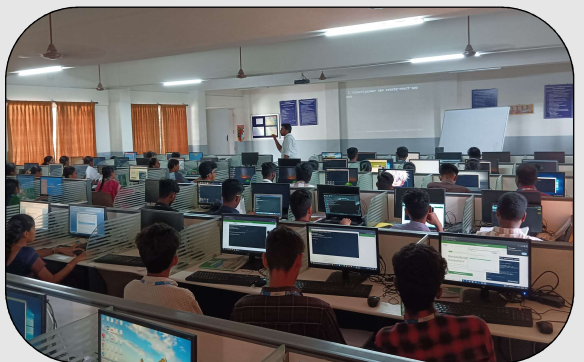
- Mr. A. P. Gopu published the paper titled 'Enhancing Secure Data Transmission in IoT via Advanced Conditional Generative Adversarial Network and Encryption Techniques' in Traitement du Signal (E-ISSN No. 1958-5608), Vol. 41, No.1, February 2024, pp. 401 –410.
- Mrs. Vidhya R has published a paper on 'Map Reduce Based K-Means Genetic and C- Means Fuzzy Clustering Formation for Community Detection and Community Validation' in the IEEE Xplore on 09.02.2024.
- Ms.S.Nithya published the paper titled 'Analyzing App Reviews Using AdaBoost SVM' in International Journal of Multidisciplinary Research in Science, Engineering and Technology (ISSN: 2582-7219), Volume 7, Issue 4, April 2024.
- Ms.S.Nithya published the paper titled 'An NLP Approach For Product Rating Prediction Based On Customer Reviews And Product Features' in IJSARTISSN [ONLINE]: 2395-1052, Volume 10 Issue 5 –MAY 2024.
- Ms.M Thilagarani published the paper titled 'Glaugame detection from retinal fundus images using transfer learning with pre trained CNN model' in International Journal Of Multidisciplinary Research in Science, Engineering and Technology (ISSN: 2582-7219), Volume 7, Issue 5, May 2024.
- Mr.A.P.Gopu published the paper titled 'Stock Price Prediction Using Linear Regression' in International Journal of Multidisciplinary Research in Science, Engineering and Technology Volume 7, Issue 13, April 2024.

PATENTS

- Dr.S Russia published a patent 'An Integrated Machine Learning and IOT Approaches for Secure Smart Home Automation' on 18.06.2024 with application number 202441046674.
- Dr.V.Latha Jothi published a patent 'Implementation of Artificial Intelligence based Techniques for Robotic and Autonomous Inspection of Mechanical Systems and Civil Infrastructure' on 26.04.2024 with application number 202441031893.

AWARDS / RECOGNITIONS

- Dr.S.Gokulraj acted as a Jury in the International Conference on Information Technologies and Smart Systems, conducted by JP College of Engineering, Tenkasi on 03.04.2024.
- Dr.V.LathaJothi acted as the Technical chair in the International Conference on Information Technologies and Smart Systems 2024 (ICITSS-2024), conducted by JP College of Engineering, on 03.04.2024 and 04.04.2024.
- Dr.S.Russia served as the reviewer in the conference '2024 IEEE Students Conference on Engineering and Systems (SCES-2024)', organized by Department of Electrical Engineering, Motilal Nehru National Institute of Technology Allahabad from 21.06.2024 to 23.06.2024.



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