VELALAR COLLEGE
OF ENGINEERING AND TECHOLOGY

Approved by AICTE, New Delhi, Affiliated To Anna University, chennai (AUTONOMOUS)
Accredited by NAAC with 'A+' Grade

Ignite | Inspire | Impact

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(Accredited By NBA under tier 1)

MAGAZINE

TECH BUZZ

2023 - 2024

VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
(Autonomous)
Accredited by NAAC with 'A+' Grade
Thindal, Erode - 638 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Accredited by NBA under TIER - I

TECH BUZZ 2023-2024

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

- Inaugural function of CSE association was conducted on 29.08.2023. Function was honored by Mr.S Sundara Raman National Head, Sales and Operations, Scopik Edutech Private Limited, Chennai-600091.
- Organized hands on training on 'Photoshop' on 21.07.2023 to 22.07.2023.
- Organized workshop on 'Amazon Web Services' on 01.08.2023.
- Organized orientation programme for 2022-26 Batch Students on 23.08.2023.
- Organized inaugural function of association, clubs and chapters on 29.08.2023.
- Organized Seminar on 'Digital Disruption and Disruption in Employability' for fresh ICI Graduates on 28.08.2023.
- Organized webinar on 'Data Analytics Application: Effective use in Different Industries on 05.09.2023.
- Organized hands on training on 'Data Science Using Python' on 08.09.2023.
- Organized workshop on 'Artificial Intelligence' on 20.09.2023.
- Organized an awareness program on 'Competitive exam' on 20.10.2023 by Mr.Thiagarajan Thirunavukkarasu, Director, T.I.M.E – Erode.
- Organized a Hands on Training 'Web Design using python' on 24.11.2023 by Mr. S. Sathish Kumar, Centre Manager, Dream Zone, Erode -638001, Mr. Gowtham. M, IT Trainer – Technical, CADD Centre, Erode-638011.
- Organized an Orphanage Visit on 25.11.2023 and gave awareness on 'Current trends in Computer Science and Engineering'.

- Organized a Hands on Training on 'Future Technology in IoT and AI/ML' on 29.12.2023 by Mr. A. Kesavan, Chief Executive Officer, Svasti Technology Solutions, Madurai -625016.
- 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.

PROGRAMS ORGANIZED

- Dr.V.Kavitha, Ms.R.Vidhya has organised five days Faculty Development Program on 'ICT45- Funding Opportunities in Engineering' sponsored by NITTTR, Chandigarh from 24.07.2023 to 28.07.2023 at Velalar College of Engineering and Technology, Erode.
- Ms.S.Nithya, Ms.M.Thilagarani has organised five days Faculty Development Program on 'Marketing in the METAVERSE Era' sponsored by NITTTR, Chandigarh from 21.08.2023 to 25.08.2023 at Velalar College of Engineering and Technology, Erode.
- Ms.I.Nivetha, Ms.D.S Eneeya Sri has organised five days Faculty Development Program on 'Maganerial Skills for Technical Teachers and Administrator' sponsored by NITTTR, Chandigarh from 28.08.2023 to 01.09.2023 at Velalar College of Engineering and Technology, Erode.
- Dr.S.Jabeen Begum organized a 13 Days Training programme on 'Mudra Loans & Business Correspondents for e-Sevai Operators' from 28.08.2023 to 13.09.2023.
- Dr.S.Jabeen Begum, Mrs.C.Kotteeswari organized ICTACT powered 5 Days FDP on 'DataAnalytics using Power BI' from 11.09.23.to 15.09.23.
- Dr.S.Jabeen Begum, Mrs.I.Nivetha coordinated Infosys . Springboard Internship Program on 'New Content Alert -Google Certification and Professional Specialization'.
- Dr.S.Jabeen Begum coordinated the event 'Engineers Day and Teachers Day Celebration of 2023' on 29.09.23.
- Mr.P.Mariappan, Ms.S.Devisri have organized the special Lecture on 'Innovation and Entrepreneurship Opportunities in AI Technology Industry' for the III Year CSE Students on 25.08.2023 at Velalar College of Engineering and Technology, Erode.
- Mrs.R.Vidhya and Dr.V.Kavitha have organized a five day online FDP on 'Employability Skills for Industry 4.0' under the Entrepreneurship Development and Industrial Coordination Department by National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh from 16.10.2023 to 20.10.2023.

PLACEMENT ACTIVITIES

- Ms.Priyadharshini K & Ms.Swethaa J V got placed in Mallow Technologies Pvt Ltd.
- Ms.Natchattira T S got placed in Iamneo.
- Ms.Santhiya K B got placed in Checktronic India Pvt Ltd.
- Mr.Bhavanishankaran K & Ms.Pangayarkarasi P got placed in ZUCI Systems.
- Mr.Gokul S & Mr.Mohamed Mohideen Asdhaque M got placed in One yes Infotech.
- 19 students got placed in 'Coapps Development Solutions Private Limited', Chennai.
- Sruthi K I got placed in 'KGISL Information System', Coimbatore.
- Vighnesh RaaghaV G got placed in 'Crypton Tech', Erode.
- 11 students got placed in 'Omega Health Care Pvt Ltd', Coimbatore.
- 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.

TRAINING ACTIVITIES

- Placement training was conducted from 19-June-2023 to 06-July-2023 by Focus Academy for carrier enhancement.
- Placement training on soft skill was conducted from 07-July-2023 to 12-July-2023 by Focus Academy for carrier enhancement.
- Program on Enrichment of Programming Skills conducted in the month of August 2023.
- Practice test Conducted through examly Portal.

ALUMNI INTERACTION MEET

- Organized an Alumni Interaction Meet with second students on the topic 'Full Stack Development' by Mr Muraleesh Duraisamy(2006 - 2010), General Manager, M/S. Schneider Electric India Pvt. Ltd., Bangalore on 28/12/2023.
- 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

- Ms Karunya G S, 732922CSR058 has won First Prize in the event English Essay Writing Competition by Fine Arts Club of VCET in the view of Bharat Ratna Dr APJ Abdul Kalam's birth Anniversary on 7.11.2023.
- Ms Harshana D, 732921CSR031 has participated in Thinkathon by PALS at MAM college Trichy on 28.11.2023.
- Ms Harshana D, 732921CSR031 has won First Prize in the event mini project creation by PALS at IIT Madras in the view of Storm water drain blockage detection system(think create enginner workshop) on 27.12.2023.
- Ms Mohanapriya C, 732921CSR062 has participated in the Workshop on 'React JS' conducted by Dr. N. G. P Institute of Technology on 25.08.2023.
- Ms Geethasri D, 732921CSR022,has won First Prize in the event Capture the Flag Competition in Genio 2k23 conducted at Anna University Regional Campus,Coimbatore at 31.10.2023.
- Mr Mukilan SS, 732922CSR078 and Mr Piruthvi M, 732922CSR082 has participated in 'Techstars Startup Weekend :Sustainability Coimbatore' conducted by AIC RAISE from 01.12.2023 to 03.12.2023.
- Ms DEEPIGA S K, 732921CSR015 has participated in the Workshop on 'React JS' conducted by Dr. N. G. P Institute of Technology on 25.08.2023.
- Mr Mukilan SS, 732922CSR078 and Mr Yaswanth R, 732922CSR124 has participated in 'Techstars Startup Weekend' conducted by Open Weaver from 28.10.2023 to 30.10.2023.
- 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.

NPTEL

- Akhila Shree K V of third year CSE has successfully completed a course on 'Programming, Data Structures And Algorithms Using Python'.

INTERNSHIP

- 15 students undergone Internship training in various companies.
- 120 Students of final year have completed their internships.

PAPER PRESENTATIONS

- 11 Students of second have presented papers in National level Technical Symposium at Bannari Amman Institute of Technology, Sathyamangalam on 11.11.23.

CLUB ACTIVITIES

HACKERS BAY CLUB

- A Seminar on 'CTF MAX' was handled by the core members of the club to third year students of CSE on 26.07.2023. Capture the Flag competition was conducted among the students so that they can practice and sharpen their skills.

- A Workshop on 'Amazon Web Services' was conducted on 01.08.2023. The workshop was led by Mr. G. Aravindraj, Founder & CEO of Nminds Academy, Erode.

- Organized a Seminar on 'CTF MAX 2.O' on 26.09.2023 for second-year CSE students. The programme was conducted to give an introduction about the club followed by 'Capture the Flag competition'.

- Organized Placement Orientation Session for pre final year students on 02.11.2023 (Resource Person : Thiru.Vamsi Krishna Komanduru, Chief Executive Officer, Dishak Technologies Private Limited, Bengaluru).

- Organized Hands-on Training on 'GitHub Tour 2.0' for Second , Third year students on 21.11.2023.

- 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

- Organized seminar on 'LinkedIn Profile Optimization & Digital Marketing' on 02.08.23.

- Organized an eye opener session on 'Data Science Domain' on 23.09.2023.

- Organized 'Insight Ignition An Intro to Data Analytics' on 08.11.2023.

- Organized online Workshop on 'Insight Ignition 2.0(Power BI domination workshop)' on 14.11.23.

- 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.
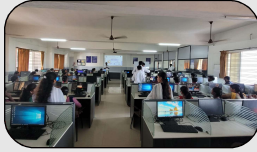
TECH CREW CLUB

- Organized workshop on 'Basics of Flutter' on 28.07.23.

- Organized an seminar on 'Digital Disruption and Disruption in Employability for Fresh ICT Graduates' was conducted on 28.08.2023. The workshop was led by Dr.Radhakrishnan Subramaniam , Director NCS - Singtel Group , DevOps and Automation Practice Lead , Coimbatore.

- Organized seminar on 'Basics of Flutter' on 27.09.23.

- Organized workshop on 'Routing in Flutter' on 04.11.23.

- Organized seminar on 'Entrepreneurial Endeavors' on 09.11.23.

- 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

- Organised a technical event 'Solvide' which mainly focused on problem solving and helping the club members to proceed with the problems on 19.07.2023. The event was honored by Lamin Muhammed M(Tech Champh), Kaarthika M (Pymentor).

- Organised a technical event 'Resumea' focused on building effective resumes tailored to specific job applications on 12.08.2023. The event was honored by Sanjay Kumar(Tech Wizard) and Sanjay Vijayakumar(Grandmaster).

- Conducted the 'Mentor Requirement test' to select the core members for PyLamp club on 25.08.2023. The event was honored by All the PyLamp Members.

- Organised a technical event 'Domain Realm' focused on choosing the domain and providing a path for all the students to choose their domain on 12.09.2023. The event was honored by Sanjay Vijayakumar (Grandmaster).

- Organises technical event series 'Tech Talk Thursday' on every Thursday to create an awareness among the members on the recent emerging technologies. The event was honored by our Pylamp Core Team Members.

- 'Domain realm 2.0' focused on discussing various domains, including enhancing clarity for individuals building their careers. The event was held on 19.10.2023. The event was conducted by Pylamp core members.

- 'SOLVIDE-2' focused on Problem solving. The event was held on 10.11.2023 and conducted by Lamin Muhammed M(Tech Champ) and Gokul S(Senior Pymentor).
- 'The Untold Story of AR/VR for Beginners' held on 5.10.2023 conducted by Logeshwaran P.
- 'Exploring Graphic Designing & Creating Logo' using AI held on 12.10.2023 conducted by Shakthi arshaa R, Logamitra K M.
- 'The Art of App Development' held on 26.10.2023 conducted by Maheen Muhammed Ismayeel M.
- 'Domain Realm - An Online Version' held on 2.11.2023 conducted by Sowbharnika S, Swathi N, Kaarthika M.
- 'Exploring Data Analytics' held on 09.11.2023 conducted by Sivambiga S.
- 'Web 3.0 and Blockchain' held on 16.11.2023 conducted by Mukilan S S.
- 'Domain Realm - An Online Version – 2' held on 23.11.2023 conducted by Lamin Muhammed M,Sanjaykumar S.
- 'Introduction To Open Source' held on 30.11.2023 Elanngo Madheswaran, Sudarsan M
- 'Success Stories & Strategies' held on 07.12.2023 honoured by Akila Subramaniam,Founder&CEO of Minnus Boutique.
- 'Generative AI & Deep Fake Insights' held on 14.12.2023 conducted by Pylamp Core members (Karunya G S).
- 'Smart Home' held on 21.12.2023 conducted by Santhiya V.
- 'Chat GPT plus' held on 28.12.2023 conducted by Mukilan S S.
- 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

The Computer Society of India (CSI) - Student Chapter organizeded the following workshop and events for the students:

- A Technical seminar on 'Hardware Perspective of Gadgets' on 24.08.2023 to the CSI society members. The seminar focused on the live study on the various hardware parts of the gadgets.

- A Technical talk on 'placement opportunities in recent trends' by our alumini Mr.Karthik Nannepamula, MTS/R&D Metricstream Infotech, Bangaloreon 02.09.2023.The event inclined to make the students to apprehend the industry expectation and shape up for the same.
- A Three days workshop on 'Mindfulness a Heartfulness Way' was conducted to all the students of CSE was conducted from 12-09-2023 to 14-09-2023 .The workshop focused on self-respect, self-care, self-awareness, self-discipline and self realization for persisting a stress-free life.
- 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 has presented a paper on 'Spectral Data Classification for Supply Chain Management' in 5th International Conference on Inventive Research in Computing Applications organized by RVS College of Engineering and Technology from 03.08.23 to 05.08.23.
- Dr.S.Russia has presented a paper on 'Augmented Reality based Smart Surgical Glass for Medical Surgery' in 14th International Conference on Computing, Communication and Networking Technologies, held at IIT-Delhi, is association with IEEE Electronics Packaging Society, on 06.08.2023.
- Dr.S. Russia has published the paper on 'A Novel Structure to Mine High Utility Items Based on Transactional Weights' in the First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI 2023) held at K.S.R. College of Engineering, Tiruchengode, Tamil Nadu, India during 19 - 20, October 2023.
- Mrs. R Vidhya has presented and published a paper on 'Map Reduce Based K-Means Genetic and C- Means Fuzzy Clustering Formation for Community Detection and Community Validation' in the 7th International Conference on Electronics Communication and Aerospace Technology (ICECA 2023) held at RVS Technical campus, Sulur, Coimbatore, Tamil Nadu, India during 22-24, November 2023.
- 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' (AIIII 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' (AIIII 2024), held from 06.03.2024 to 08.03.2024, Organized by Centre for research Anna University, Chennai.
- 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 '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' (AIIII 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' (AIIII 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.

- 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 Learing' 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.A P 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 pape r 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 InternationalConference 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 InternationalConference 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 `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 Faulty 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 'Revolutionzing Aizheimer's Diagonis CNN-based Early Detection Through Blood Plasma Analysis' in IASICT'24 in Karpagam Institute of Technology on 05.04.2024.
- 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.
- 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.
- 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.

WORKSHOPS

- Dr.V.Latha Jothi has participated in the Workshop on 'Blockchain Technology and its Applications' organized by National Institute of Technology, Tiruchirappalli from 21.08.23 to 25.08.23.

SEMINARS

- Dr.S.Russia has attended webinar on 'Biodegradable Polymers' conducted by Thiagrajar College of Engineering, Madurai (TCE EIACP PC RP on Plastic Waste Management) on 25.08.2023.

FDP ATTENDED

- Dr.S.Gokulraj, A.P.Gopu, S.Senthilnathan, P.Mariappan, S.Devisri,D.Yamunathangam ,K.Mohanapriya,Ms.S.Nithya, Ms.M.Thilagarani, Ms.I.Nivetha,Ms.V.Raaga Varsini has attended five days Faculty Development Program on 'Data Science Using R' sponsored by NITTTR, Chandigarh from 17.07.2023 to 21.07.2023 at Velalar College of Engineering and Technology, Erode.
- Dr.S.Gokulraj, has participated in the Three Days Faculty Development Program on 'Recent Trends and Research Methodologies in Information Technology' organized by Department of Information Technology, Adithya Institute Of Technology, Coimbatore, from 24-07-2023 to 26-07-2023.
- Dr.S.Russia & Dr.V.Latha Jothi has attended in five days Faculty Development Program on 'Full Stack Development' conducted by Kamaraj College of Engineering and Technology, Virudhunagar from 11.07.2023 to 15.07.2023.
- Dr.S.Gokulraj & Dr.V.Latha Jothi, has participated in the One week National level Faculty Development Program on 'Cloud Infrastructure' organized by Erode Sengunthar Engineering College in collaboration with Brainovision Solutions India pvt Ltd and AICTE during the period of 21.08.2023 to 25.08.2023 August 2023.

- Dr.S.Gokulraj, A.P.Gopu, S.Senthilnathan, P.Mariappan, S.Devisri, D.Yamunathangam Ms.S.Nithya, Ms.M.Thilagarani,Ms.V.Raaga Varsini has attended five days Faculty Development Program on 'Marketing in the METAVERSE Era' sponsored by NITTTR, Chandigarh from 21.08.2023 to 25.08.2023 at Velalar College of Engineering and Technology, Erode.

- Dr.S.Jabeen Begum, Dr.V.Latha Jothi, Dr.S.Gokulraj, S.Vivekanandan, A.P.Gopu, S.Senthilnathan, P.Mariappan,S.Devisri ,K.Mohanapriya Ms.S.Nithya, Ms.M.Thilagarani has participated in five days Faculty Development Program on 'Microsoft Power BI data Analyst Associate' conducted by ICT Academy on 11.09.2023 to 15.09.2023 at Velalar College of Engineering and Technology, Erode.

- D.Yamunathangam has attended Faculty Enablement Program on Generative AI Training on Citizen Data Science organised by Infosys from 31.7.2023 to 27.9.2023.

- Ms.S.Nithya, Ms.M.Thilagarani has attended a one week online FDP on Innovative Teaching Methodology-A Creative Pedagogy orgranised by D.Y. Patil College of Engineering in association with ISTE and IQAC DYPCOE from 21.7.2023 to 04.08.2023.

- Ms.I.Nivetha, Ms.D.S Eneeya Sri, Ms.V.Raaga Varsini has attended five days Faculty Development Program on 'Maganerial Skills for Technical Teachers and Administrator' sponsored by NITTTR, Chandigarh from 28.08.2023 to 01.09.2023 at Velalar College of Engineering and Technology, Erode.

- Mrs Vishlakshi R, Mrs Vidhya R have participated in AICTE sponsored the five day online Faculty Development Program on 'Emerging Trends in Artificial Intelligence and Machine Learning' organized by Faculty Development Training Centre, Government College of Technology, Coimbatore from 04.12.2023 to 08.12.2023.

- R.Vishalakshi participated in a five days Faculty Development Program on 'Outcome based Curriculum Development ' sponsored by NITTTR, Chandigarh from 11.09.2023 to 15.09.2023 at Velalar College of Engineering and Technology, Erode.

- Dr.S.Jabeen Begum, Dr.V.Latha Jothi attended the five days AICTE-ATAL sponsored Faculty Development Program on 'Design Challenges and Realization of Wearable Antennas from an Antenna Engineer Perspective' at Velalar College of Engineering and Technology from 18.12.2023 to 23.12.2023.

- K Mohanapriya attended the Faculty Development Program on 'Virtual Labs' organized by Pals Vlab 2023 – 24 Initiative with NITK Surathkal.

- Dr.S.Russia has attended the five days AICTE-ATAL sponsored Faculty Development Program on 'Block Chain Technology with AI for Next Generation Computing' at K.S.Rangasamy College of Technology, Thiruchengode from 30.10.2023 to 04.11.2023.

- Dr.S.Russia has attended the five days AICTE-ATAL sponsored Faculty Development Program on 'Design Thinking On Strategic Development Goals (SDG)' at Vivekanandha College of Engineering For Women, at Elayampalayam from 27.11.2023 to 02.12.2023.

- Dr.S.Russia has attended the ICTACADEMY sponsored 15 Hours Online FDP on 'TensorFlow for Machine Learning' from 27.11.2023 to 01.12.2023.

- Dr.S.Gokulraj has attened one day Industrial Workshop on ' Design Thinking' at Zenovex Technologies, Software Technology park, Chennai on 16.12.2023.

- Dr.S.Gokulraj has undergone Innovation Ambassador (IA) training 'Foundation Level' conducted in online mode by MoEs innovation Cell & AICTE during the month of December 2023.

- R.Vishalakshi attended one week FDP on 'Deep Learning and AI based Heath care system' from 18.12.2023 to 24.12.2023 organised by Department of ECE, Coimbatore Institute of technology , Coimbatore.

- Dr.V.Kavitha, Ms.I. Nivetha has attended the International Level Virtual Faculty Development Program on 'Modern Research Convergence in Next Generation Computing' from 18.12.2023 to 22.12.2023.

- Dr.V.Kavitha, Ms.I.Nivetha has attended five days online FDP Program on 'AI based Edge and Fog Computing:A Future direction' from 30.10.2023 to 03.11.2023.

- Dr.V.Kavitha has attended Wipro Certified Faculty Program in '.NET Fullstack' conducted by Talent Next from 11.09.2023 to 03.10.2023.

- 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.

- 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.S.Russia acted as a Resource Person in Seminar on the topic on 'Data Science – Overview' organized by Rendering Clan Technical Club, ECE Department, VCET on 08.11.2023.
- Dr.S.Russia acted as a Resource Person in SERB sponsored 2nd National Level Technical Symposium on 'Innovations in Intelligent Systems and Soft Computing' on the topic 'Soft Computing and Intelligent Systems: Techniques and Applications' at Muthayammal Engineering College, Rasipuram on 06.01.2024.
- 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.
- 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.

PAPER PRESENTED

- Ms.Vidhya R presented a paper on International Conference on Computational Sciences And Applied Mathematics (ICCSAM 2023) on 'Hybrid Design Of Advanced Crop Recommendation System Using Machine Learning'. .

NPTEL PROGRAMS ATTENDED

- Dr.S.Russia, Ms.R.Vidhya has completed the course on 'Python for Data Science'.
- Dr.V.Latha Jothi has secured Elite certification in the course on 'Design and Analysis of Algorithms'.
- Dr.V.Latha Jothi received NPTEL Top performing Mentor certificate for the course 'Introduction to internet of Things' in July-December 2023.
- K.Mohanapriya received NPTEL Mentor certificate for the course 'Introduction to internet of Things' in July-December 2023.
- Dr.S.Russia received NPTEL Mentor certificate for the course 'Organizational Behaviour' in July-December 2023.
- 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.Russia wrote the book 'Foundations of Data Science' for Anna University, R2021 syllabus for Charulatha Publications, Chennai.
- Dr.V.Latha Jothi published the book titled 'Distributed Computing' for Anna University R2021 with ISBN 978-93-87950-67-2 in September 2023 for Lakshmi Publications, Chennai.
- Dr.S.Jabeen Begum published the book titled "Artificial Intelligence" in November 2023 for Charulatha 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

JOURNEL PUBLICATIONS

- Dr. S. Gokulraj published a paper on 'Optimizing Pre-Trained Models of Deep Learning for Identification of Plant Disease' International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169 Volume: 11 Issue: 10s, September 2023.
- Ms.M.Mohanasundari published the paper 'Brain Tumor Detection Based on Amended Convolution Neural Network using MRI Images' in International Journal of KSII Transactions on Internet and Information Systems (ISSN No. 1976-7277), Vol. 17, No.10, pp. 2788 – 2808.
- Dr.S. Russia has published the paper on 'Augmented Reality based Smart Surgical Glass for Medical Surgery "in 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT), published by IEEE.
- 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.

PATENT PUBLICATIONS

- Dr.S.Jabeen Begum published a patent titled 'Implementation of Graph-Based Machine Learning Techniques for Just-In-Time Defect Prediction of Manufacturing Units' on 01.09.2023 with application number 202341055409 A, Journal No: 35/2023.
- Dr.S.Gokulraj registered a design patent titled 'Smart Tablet Vending Machine' (Design No-388995-001, Publication Date: 25/08/2023,Journal No: 34/2023).
- Dr.S.Russia published a patent 'Enhancing Smart City & IoT Solutions with Adversarial LSTM & CNN Models' on 01.09.2023with application number 202341049093A.
- Dr.V.Latha Jothi registered a design patent titled 'AI based Apparatus for Skin Disease Detection' (Design No- 383347-001, Publication Date: 13.07.23,Journal No: 28/2023).
- Ms.M.Thilagarani published a patent 'Implementing Ai Techniques to analyse the Futuristic Trends In Diabetic Retinopathy' on 01.09.2023 with application number 202341055450A.
- Dr.V.Latha Jothi published a Design patent 'AI based Hybrid Leg' (Application No. 398175-001) on 20.11.2023.
- Ms. M.Mohanasundari, Ms. C.Kotteeswari published a design patent on 'AI based Blood Flow Monitoring Device in Head' (Application No. 397793-001) on 23.11.2023.
- Ms. I. Nivetha published a patent on 'AI based Smart Conversational Robot to Assist Blind People using Cloud & ML Algorithms' (Application No. 202341065080) on 01.12.2023.
- Mr. P. Mariappan published a UK design patent on 'Cholesterol Monitoring Device' (Application No. 6319725) on 04.12.2023.
- Ms. D S Eneeya Sri published a patent on 'Recycling of Waste Water & Water Management into Irrigation Water in Smart Cities Using IoT' (Application No. 202341059449) on 06.10.2023.
- Dr.V.Kavitha Published a Patent 'Automation Nursing Robot for Hospitals Based on Wireless Beacon Network' Application No 202341068192 on 20.10.2023.
- 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

- Mrs Vidhya R has acted as the Jury for the event Paper Presentation in the Intra College Mini Symposium- KNACK'23 organized by Rotaract Council, Rotaract Club of VCET, Group -1; RI District 3203 on 25.11.2023.

- Mrs Vidhya R and Dr Kavitha V have received Certificate of Appreciation for conducting a five day online FDP on 'Employability Skills for Industry 4.0' under the Entrepreneurship Development and Industrial Coordination Department by National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh from 16.10.2023 to 20.10.2023.

- 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.

RESOURCE PERSON

- Dr.S.Russia acted as a Reviewer at 2nd International Conference on Intelligent Computing Systems and Applications (ICICSA 2023), organized by Department of Computer Science and Engineering, National Institute of Technology Silchar, Assam, India during September 22-23, 2023.

- Dr.V.Latha Jothi acted as a Reviewer for the 14th International Conference on Computing, Communication and Networking Technologies, held at IIT-Delhi, is association with IEEE Electronics Packaging Society, from 06.07.23 to 08.07.23.

- Dr.V.Latha Jothi acted as a Reviewer for the IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) organized by NITTE Meenakshi Institute of Technology, Bengaluru on 01.09.2023 and 02.09.23.
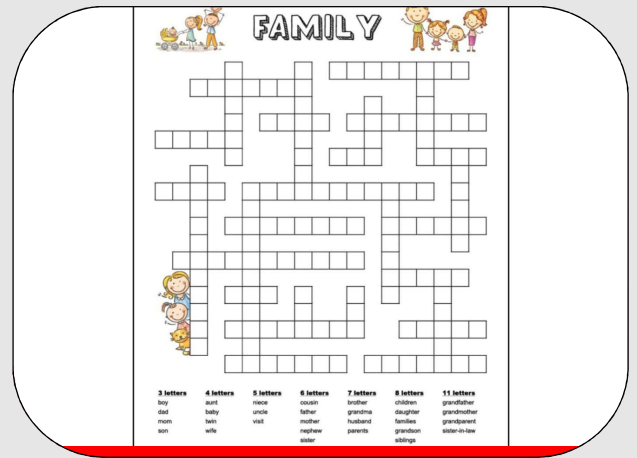
INDUSTRIAL VISIT

- 104 Students of III year CSE along with 4 faculty members went to an Industrial Visit 'Masco Tea Factory', Vagamon, Kerala on 30.09.2023.

- 92 Students of II year CSE along with 4 faculty members went to an Industrial Visit 'Cloud Logic Technology Pvt. Ltd', Pondicherry on 14.10.2023.

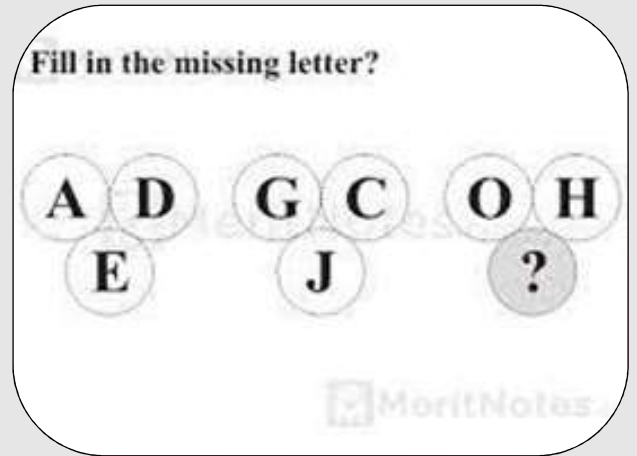# STUDENT ART GALLERY

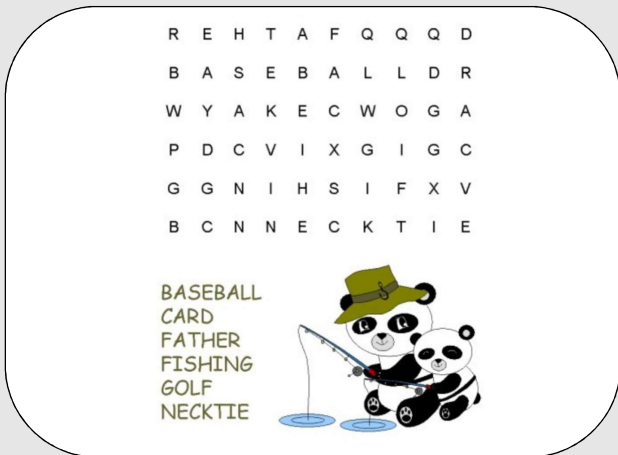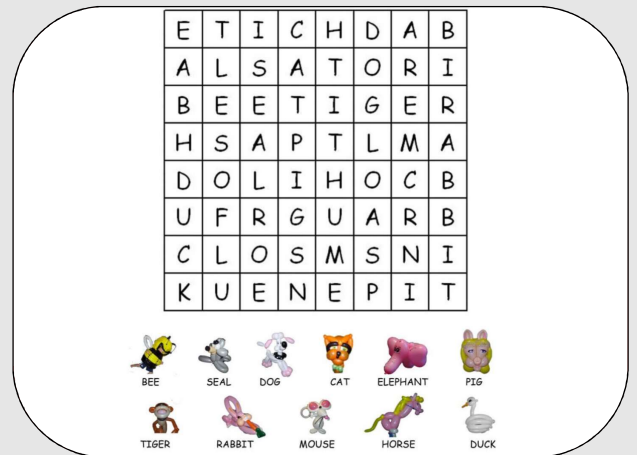MUKILAN S S - 22CSR078

RAKESH R - 22CSR087

MIDHANRAJ - 22CSR074

SRINESHAN B - 22CSR109

ELANNGO M - 22CSR031
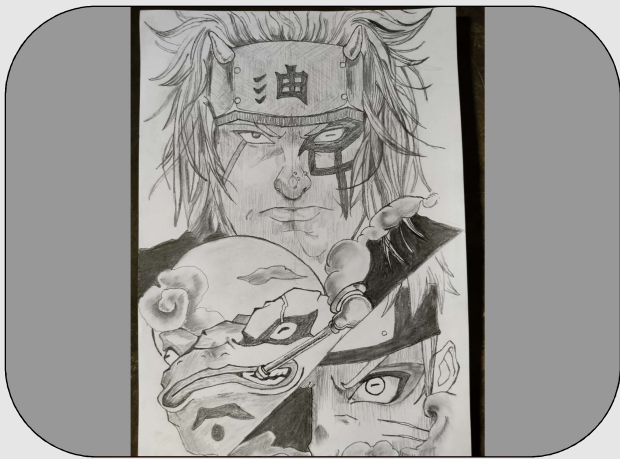

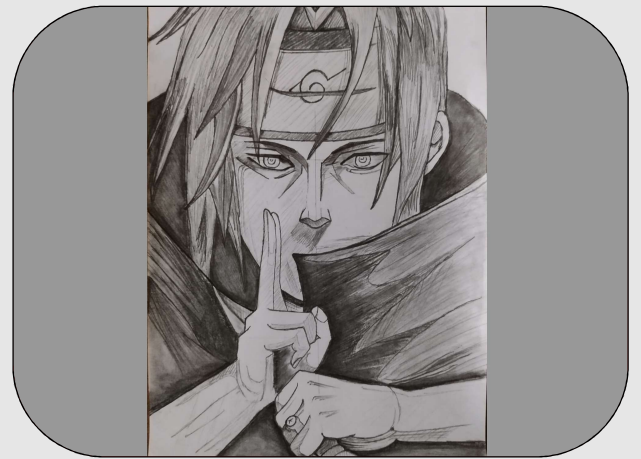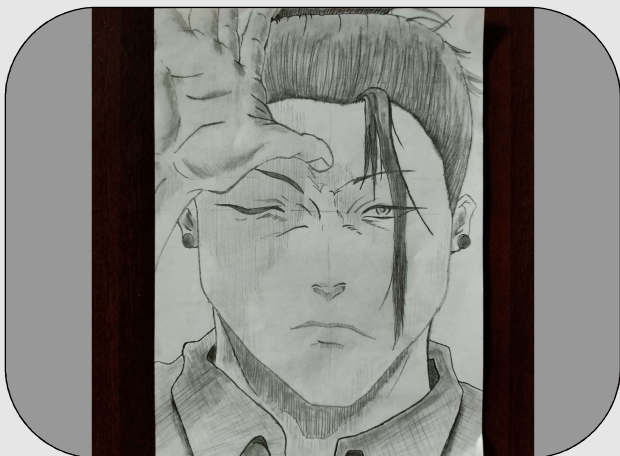BRINDHA V C - 22CSR013
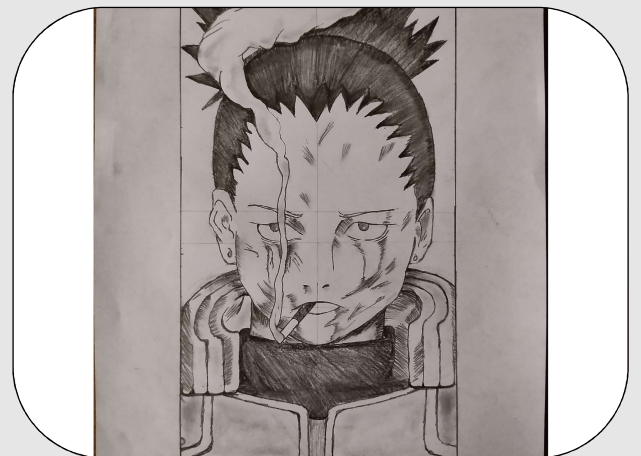
YASWANTH R - 22CSR124

SUDARSAN M - 22CSR111

SANJAY K - 22CSL005

PIRUTHVI M - 22CSR082

VIJAY K - 22CSR122

THARUN P - 22CSR114

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