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

NEWSLETTER

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

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.
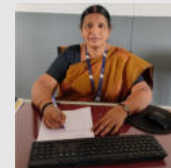
We want the education imparted to our students to be the basis of a life time of learning. Learning is a continuous process and does not end with the acquisition of a degree, especially because steady and rapid advances in computing technologies shorten the life of tools and techniques prevalent today. 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 an orientation Program for second year students on 22.07.2024..
- 'MAGNUMOPUS' held its 2024–2025 Inaugural Function, with Mr. Shanmugavel Subramani, Director of Engineering at YUBI, as Chief Guest, delivering a lecture on 'Software and Fintech.'
- 'MAGNUMOPUS' & 'HACKERSBAY CLUB' organized a hands on training on 'Version Vault : Unlocking Git and GitHub' on 17.08.2024.
- Organized an event 'Quiz Whiz' on 27.08.2024.
- Organized a hands-on training on 'Networking Concepts' by Mr. A. Vinod Kumar, Training Manager, and Mr. S. Vinoth Kumar, Managing Director of NWE Consulting Services, Erode, on 21.09.2024 and 28.09.2024.

PROGRAMS ORGANIZED

- Ms.Vidhya R, Dr.Gokulraj S, have organized five days Faculty Development Program on 'Research Methodologies for Science, Management and Engineering' sponsored by NITTTR, Chandigarh from 19.08.2024 to 23.08.2024 at Velalar College of Engineering and Technology, Erode.
- Ms.V.RaagaVarsini, Ms.S.Devisri, have organized five days Faculty Development Program on 'Personality Development' sponsored by NITTTR, Chandigarh from 05.08.2024 to 09.08.2024 at Velalar College of Engineering and Technology, Erode.
- Department of CSE in coordination with ICT Academy and MEITY, Govt. of India has organized a Faculty Development program on 'Microsoft Azure AI Engineer' from 25.11.2024 to 29.11.2024.

PLACEMENT ACTIVITIES

- Krithika Sankari M, Final CSE got placed in 'FocusR Technology', Chennai, for the position of Trainee Developer, Cost To Company Offered 3.00 lakhs per annum.
- Geethasri D, Final CSE got placed in 'RapidData Technologies', Chennai, for the position of Trainee Developer, Cost To Company Offered 4.5 lakhs per annum.
- 86 students of Final CSE have attended campus recruitment drive 'M/s Glenwood Systems', Chennai on 05.07.2024.
- 100 students of Final CSE have attended campus recruitment drive 'M/s DeltaX Technologies', Bengaluru on 09.09.2024.
- Niranjana K and and Sanjaykumar S,Final CSE got placed in 'CTS(Cognizant)', Chennai, for the position of Trainee Program Analyst, Cost To Company Offered 4.00 lakhs to 5.00 lakhs per annum.
- Sowmiya Sri A,Shivadharshini S and Monika AS, Final CSE got placed in 'Daxfo Technology', Chennai, for the position of Technical Trainee and Functional Consultant trainee, Cost To Company Offered 2.5 lakhs to 3.5 lakhs per annum.

STUDENTS ACTIVITIES

- Sanjay K, Harshini V.M, Deevith M, and Karunya G.S of Third Year CSE participated in 'Fossee Animate 2024' and won first place with a cash prize of ₹10,000.
- Swetha P, Merlyn A.S, Tharun P, and Yaswanth R of Third Year CSE participated in 'Fossee Animate 2024' and won the Innovation Award with a cash prize of ₹2,000.
- Brindha V.C., Lalithya T., Elango M., and Bhavadharani S of Third Year CSE participated in 'Fossee Animate 2024' and won the Consolation Prize with a cash award of ₹1,000.
- The project 'Solar Watts' was implemented and presented by Vijay K, Piruthvi M, Elanngo M, Mukilan S S, and Sudarsan M of Third Year CSE as part of the PALS Innowah initiative at IIT Madras, Chennai.
- Gunavathi N of Second CSE participated in the 'effective public speaking' event held on 01.09.2024 at Sri Sundar Mahal, Sathy and won first prize with a cash prize of Rs.3000.
- Gunavathi N of Second CSE participated in the 'Tech Sarayu - Paper Presentation' event held on 13.09.2024 at Sengunthar Engineering College, Thiruchenode and won first prize with a cash prize of Rs.1000.
- Haries Mugunthan G, Kishore S, Naveenya P of Second CSE participated in the 'Spring Fest-Paper Presentation' event held on 27.09.2024 at KSR College of Engineering.
- Gowtham T of Second CSE participated in the 'Debugging,Quiz' event held on 27.09.2024 at KSR College of Engineering.
- Kishore S of Second CSE participated in the 'Debugging' event held on 27.09.2024 at KSR College of Engineering.
- Kamini V, Devadarshini V, Kabinthra B P of Second CSE participated in the 'Xlaratz-24' event held on 05.09.2024 at Salem College of Engineering and Technology.
- Yamini V , Thogaivalli V participated poster making event titled 'Awareness On Diabetes' held on 05.10.2024 at Kongu Engineering College.

- SakthiAnussha S S , Saverthana R participated poster making event titled 'Gen AI' held on 05.10.2024 at Kongu Engineering College and won First Prize.
- SakthiAnussha S S , Saverthana R presented a paper 'Life Saving Medical History Storage' in the Paper Presentation event held on 05.10.2024 at Kongu Engineering College and won Third Prize.

PAPER PRESENTATIONS

- Brindha E, Dharshana B presented a paper titled 'Explainable artificial intelligence' in the Paper Presentation event held on 09.10.2024 at Sengunthar Engineering College.
- Gunavathi N presented a paper titled 'Cyber security in digital defense and protection' in the Paper Presentation event held on 09.10.2024 at Sengunthar Engineering College.
- Kishore S presented a paper titled 'Cutting edge technology' in the Paper Presentation event held on 27.10.2024 at KSR College of Engineering and Technology.
- Sandhiya S , Nitharsanaa D , Priyadharshini A, Viveka R presented a paper titled 'Early detection and prevention of child abuse' in the Paper Presentation event held from 11.12.2024 to15.12.2024 at KLE Technology.
- SakthiAnussha S S , Saverthana R presented a paper titled 'Life Saving Medical History Storage' in the Paper Presentation event held on 05.10.2024 at Kongu Engineering College.
- Yamini V , Thogaivalli V presented a paper titled 'Diabetes Prediction Using Machine Learning' in the Paper Presentation event held on 05.10.2024 at Kongu Engineering College.

CLUB ACTIVITIES

HACKERS BAY CLUB

- Hackers Bay Club conducted a hands on training 'Cyber Threat Awareness Program' on 01.08.2024.
- Hackers Bay Club conducted one day workshop 'Devops Tools' on 13.08.2024.

- Hackers Bay Club conducted a training program ' Version Vault' on 17.08.2024.
- Hackers Bay Club conducted an awareness program 'Practical Tips for Personal Security' on 18.09.2024.

- Hackers Bay Club conducted an induction program 'Introduction to CTF' on 25.08.2024.
- The Hackers Bay Club organized a one-day awareness program on 'Cyber Security for Daily Life' on 29.10.2024.

PYLAMP CLUB

- Pylamp club conducted the 'Mentor Recruitment Test' on 24.07.2024 organized by Lamin Muhammed M of Final Year CSE A.
- Pylamp club conducted 'Curiosity Corner' was held on 06.08.2024, with Karunya G S leading the event.

- Pylamp club conducted the 'Domain Realm' event on 22.08.2024,   or ganized by Sindhu Sri K and Vishaal N K of Third Year CSE.
- Pylamp club conducted 'Web Forge Innovators' took place on 19.09.2024 with ShakthiVarshaa R and Kabinthra B P coordinating the event.

- Pylamp club conducted an online session on 'Top 10 Open Source AI Websites for Students in 2024' was held on 26.09.2024, by Eesha Mishra V, Second Year CSE A.

- Pylamp club conducted an online event on 'Low code / No code' development platforms took place on 03.10.2024, led by GunavathiN, Second Year CSE A.

DATA PIRATES

- The Data Pirates Club hosted an interactive session on 'Database HelloWorld' on 31/07/2024.
- The Data Pirates Club conducted a session on 'Database through Languages' on 13/08/2024.

- The Data Pirates Club hosted a 'Power BI Workshop & Assessment' on 21/08/2024.
- The Data Pirates Club organized a technical event on 'Flutter Fire Configure' on 06/09/2024.
- The Data Pirates Club conducted a session on 'Open Source Intelligence' on 18/09/2024.

TECH CREW CLUB

- Tech Crew Club conducted a seminar 'TechXplore' on 30/07/2024.
- Tech Crew Club conducted a Workshop 'Figma Flow' on 12/08/2024.

- Tech Crew Club conducted a Hands-on 'Flutter Fire Configure' on 06/09/2024.
- Tech Crew Club conducted a event 'Thinkathon 2.0' on 13/09/2024.
- Tech Crew Club conducted a Workshop 'BuildXMIT' on 28/09/2024.

NPTEL

- 2 students completed NPTEL course with Elite + Gold certificate during October 2024.
- 63 students completed NPTEL course with Elite certificate during October 2024.
- 44 students completed NPTEL course with Elite+Silver certificate during October 2024.
- 11 students completed NPTEL course with successfully completed the program certificate during October 2024.

FACULTY ACHIEVEMENTS

CONFERENCES

- Ms.M.Thilagarani, Ms.S.Nithya has presented a paper titled 'Concrete Quality Analysis using NLP and Machine Learning Algorithm Model Design', in the 6th International Conference on Recent Advancements in Materials and Manufacturing (ICRAMM 2024) in Velalar College of Engineering and Technology on 30.12.2024 & 31.12.2024.
- Ms.C.Kotteeswari has presented a paper titled 'Enhanced Fraud Detection In Digital Payments Using Generative AI' in the 'International Conference on Recent Advances In Science, Engineering And Maganement' on 30.11.2024 in Trinity Academy Of Engineering ,Pune.
- Mr.Manicka Senthamarai N has presented a paper titled 'Intelligent Irrigation System With Smart Sensor Using IoT For Agricultural Field', in the 2nd International Conference on A Computer Vision and Internet of Things in Karunya Deemed University, Coimbatore on 10.12.2024 To 11.12.2024.

- Ms.Vidhya R has presented a paper titled 'Comprehensive Machine Learning Framework For Predicting And Classifying Heart Disease: Leveraging Advanced Algorithms For Early Detection, Risk Assessment, And Personalized Treatment Strategies', in the International Conference on Engineering And Technology in Zigma Medicare India (Opc) Private Limited, Coimbatore on 26.11.2024 To 27.11.2024

WORKSHOPS

- Ms. M. Nanthini, Ms.S.Priyadharshini, Ms.T.P.Abhithya has participated a Three-Day International Level Online Workshop cum Hands-on training titled on 'The Essential AI-Powered Tools for Researchers' conducted by FDP division, A.C.T academy, Kerala Unit.
- Ms. I.Nivetha has participated in five days online workshop on 'Foundation of Stock Market for beginners' organized by Star International Foundation for Research and Education from 23.09.2024 to 27.09.2024.

NPTEL PROGRAMS ATTENDED

- Dr.S.Jabeen Begum, Dr.S.Russia, Ms.K.Mohanapriya, Mr.P.Mariyappan, Ms.S.Devisri, Ms.V.Ragaavarsini, has secured Elite certification in the course on 'Design Thinking-A Primer'.
- Dr.S.Gokulraj, Dr.V.Kavitha, Mr.A.P.Gopu, Ms.I.Nivetha has secured Elite + Silver certification in the course on 'Design Thinking-A Primer'.
- Ms.S.Nithya has successfully completing the course on 'Introduction to Machine Learning'.
- Ms.M.Nanthini completed NPTEL course on 'Accreditation and Outcome Based Learning' with Elite + Silver certificate during October 2024.
- Ms.S.Dhivya completed NPTEL course on 'Accreditation and Outcome Based Learning' with Elite certificate during October 2024.
- Ms.M.Mohanasundari, Ms.C.Kotteeswari completed NPTEL course on ' Machine Learning ' with Elite certificate during October 2024.

SEMINARS

- Dr.S.Jabeen Begum has attended the seminar on 'BRIDGE 2024 – Coimbatore, A High Impact Industry – Institute Interaction Event' organized by ICT academy on 20.08.2024.
- Dr.S.Russia has attended the seminar on 'IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published' organized by IEEE Editors on 04.09.2024.
- M.Nanthini, T.P.Abhithya,S.Priyadharshini and I.Nivetha has participated in the seminar on 'Innovative methods for modern classroom'.

FDP ATTENDED

- Dr.S.Gokulraj has attended in five days online FDP on 'Devops' organized by Infosys Spring Board, Bangaluru.
- Dr.S.Gokulraj has attended two weeks online faculty development program on 'Mastering Research paper and proposal writing' from 19.08.2024 to 30.08.2024 Organized by SRM Institute of Science and Technology,Chennai.
- Ms.V.RaagaVarsini, Ms.S.Devisri, Ms.T.P.Abhithyahas participated in the NITTTR-AICTE Recognized Faculty Development Programme on 'OpenCV for Image and Video Processing Applications' from 22.07.2024 to 26.07.2024 at Erode Sengunthar Engineering College.

- Dr.S.Gokulraj has undergone innovation ambassador training 'Re-skilling' Conducted in online mode by MoE's Innovation cell & AICTE on August 2024.
- Mr.N.Manickasenthamarai has participated and certified in the Infosys springboard Faculty Enablement Programme on 'Artificial Intelligence' from 24.07.2024 to 28.07.2024 at Velalar College of Engineering and Technology, Erode.
- Dr.S.Jabeen Begum, Ms.Vidhya R, Dr.Gokulraj S, Ms. M. Nanthini and Mr.N.Manickasenthamarai have attended five days Faculty Development Program on 'Research Methodologies for Science, Management and Engineering' sponsored by NITTTR, Chandigarh from 19.08.2024 to 23.08.2024 at Velalar College of Engineering and Technology, Erode.
- Mr.A.P.Gopu, Ms.S.Devisri, P.Mariappan, V.Raggavarsini , Mr.N.Manickasenthamarai, Ms.V.RaagaVarsini, Ms.S.Devisri, Ms. I.Nivetha has participated in the NITTTR, Chandigarh Recognized Faculty Development Programme on 'Personality Development' from 05.08.2024 to 09.08.2024 at Velalar College of Engineering and Technology, Erode.
- Mr.A.P.Gopu, Ms.S.Devisri, P.Mariappan,V.Raggavarsini, Ms. Vidhya R, Ms. M. Nanthini and Ms. I. Nivetha has participated in the Faculty Development Programme on 'Deep Learning and IoT Technologies in Precious Health care' from 16.08.2024 to 17.08.2024 (Two Days) at Kongu Engineering College.
- Ms. Vidhya R has participated in the Faculty Development Program on 'Unveiling Emerging Research Trends in Mathematics' organized by the Department of Mathematics, SRM Madurai College for Engineering and Technology, Sivagangai from 20.08.2024 to 21.08.2024.
- Dr.S.Russia has participated in the five days Faculty Development Program on 'Building Web Development Solutions with Cloud Computing' under the Next Gen Employability Program from 27.08.2024 to 31.08.2024 organized by AICTE and Edunet foundation.
- Dr.S.Russia has participated in the AICTE Training And Learning (ATAL) Academy Faculty Development Program on 'Embark on a Hands on journey into Artificial Intelligence Mastery' at Erode Sengunthar Engineering College from 02.09.2024 to 14.09.2024.
- Ms.S.Nithya, Ms.M.Thilagarani, Ms.V.RaagaVarsini, Ms.S.Devisri, Mr.P.Mariappan, Ms.T.P.Abhithya, Ms.S.Priyadharshinihas participated in the NITTTR-AICTE Recognized Faculty Development Programmeon 'Deep Learning for Engineering Applications'from 02.09.2024 to 06.09.2024 at Velalar College of Engineering and Technology, Erode, Tamil Nadu.
- Ms.S.Nithya, Ms.M.Thilagarani has participated in the NITTTR-AICTE Recognized Faculty Development Programme on 'IoT and Embedded Systems' from 23.09.2024 to 27.09.2024 at Velalar College of Engineering and Technology, Erode, Tamil Nadu.
- Dr.S.Gokulraj, Ms.K.Mohanapriya has participated in the 15 Hours Faculty Development Program on 'Salesforce Business Analyst Professional' organized by ICT Academy on 23.09.2024 to 27.09.2024.
- Mr.A.P.Gopu has attended the 4 weeks NPTEL FDP on 'Design Thinking – A Primer' from July to August 2024.
- Ms.S.Nithya has attended the 8 weeks NPTEL FDP on 'Introduction to Machine Learning'from July to September 2024.

- Ms.Dhivya S participated in Accrediation and outcome based learning, conducted by NPTEL from 10.08.2024 to 10.10.2024.
- Ms.V.Raaga Varsini participated in Design Thinking - A Primer, conducted by NPTEL from 02.07.2024 to 05.10.2024.
- R.Vidhya,M.Nanthini,I.Nivetha and S.Priyadharshini has attended the Deep Learning and IOT Technologies in Precision Healthcare in Kongu Engineering College from 16.10.2024 to 17.10.2024.
- Ms.M.Nanthini participated in Virtual lab, conducted by PALS from 22.10.2024 to 24.10.2024.
- Dr.V.Kavitha has attended the Advanced Training Program organized by Wipro on Cloud Computing Conducted by Talent Next from 21.10.2024 to 25.10.2024.
- Mr.S.Senthilnathan participated in Tools for research in Cloud, Fog and Edge Computing, conducted by NITTTR Chandigarh from 21.10.2024 to 25.10.2024.
- Dr. S. Gokulraj and Mr. A. P. Gopu, Ms.V.Raaga Varsini participated in an AICTE-recognized faculty development program on 'Open Source Applications in Engineering Education', conducted by NITTTR Chandigarh from 18.11.2024 to 22.11.2024.
- Dr.S.Gokulraj, Mr. A.P.Gopu, Ms.M.Thilagarani, Ms.S.Nithya,Mr.P.Mariappan, Mr.N.Manica Senthamarai, I. Nivetha, M.Nanthini and S.Priyadharshini participated in the three days research workshop on 'Research Methods and Paper / R & D Proposal Writing' organized by IQAC cell and Research development cell from 28.11.2024 to 30.11.2024.
- Dr. S. Jabeen Begum, Dr.S.Gokulraj, Ms.M.Mohanasundari, Ms.C.Kotteeswari, Dr.V.Kavitha, Ms.V.Raaga Varsini has attended Faculty Development program on 'Microsoft Azure AI Engineer' held on 25.11. 2024 to 29.11.2024, organized by ICT Academy at Velalar College of Engineering and Technology, Erode.
- Dr.S.Russia has completed the AICTE Training And Learning (ATAL) Academy Faculty Development Program on 'Recent Trends In Deep Learning & Large Language Models' at Delhi Technical Campus from 02.12.2024 to 07.12.2024.
- Mr. A.P. Gopu, Ms. R. Vidhya, and Dr. V. Kavitha participated in the AICTE Training and Learning (ATAL) Academy Faculty Development Program (FDP) on 'Transforming Healthcare: The Impact of Artificial Intelligence in Clinical Practice', held at Sasurie College of Engineering from 09.12.2024 to 14.12.2024.
- Ms.Vidhya R, Dr.Gokulraj S, have attended five days Smart India Hackathon (SIH) Grand Finale 2024 from 11.12.2024 to 15.12.2024 at KLE Technological University, Hubbili, Karnataka.
- Dr.S.Russia has attended the Pals VLAB Domain Specific Training organized by NITK on 10.12.2024.
- Dr.S.Russia has participated in 10 Hours of Faculty Development Program on 'Idea Generation Methods' (Online Live FDP) conducted by ICT Academy on 16.12.2024 to 20.12.2024.

ACTED AS RESOURCE PERSON
- Dr.V.Kavitha, acted as a reviewer in the Online 3rd International Conference on 'Signals, Machines & Automation(SIGMA)2024' held on 22.12.2024, at Nethaji Subhas University of Technology, New Delhi.
- Dr.S.Russia, acted as a resource person in the Online Six-Days Faculty Development Program on the topic: Introduction to Machine Learning (AMT 305) and Python& Machine Learning Lab (AML311), held on 11.12.2024 at Mar Baselios Christian College of Engineering and Technology, Kerala.
- Nivetha.I, acted as a resource person in the Online Five-Days Faculty Development Program on the 'Problem Solving and Advancement in Python Programming', held on 03.12.2024 at Sree Narayana Institute of Technology.

BOOK PUBLICATIONS
- Dr.S.Jabeen Begum, Published Book Chapter Titled 'Image Processing Techniques and its Applications in Computer Vision and Artificial Intelligence : Chapter no:7: Texture Analysis Techniques Using Statistical Measures Structural Approaches and Machine Learning Methods', RAD Emics, ISBN 978-81-979336-6-0, 2024.
- Dr.S.Russia, Published Book Chapter Titled 'Recent Advances in Science, Engineering & Technology, Chapter: "HANA" - An IOT Fusion With Deep Learning for Smart Agriculture Crop Prediction and Crop Monitoring System', CRC Press,e -book ISBN: 9781003527442,2024.
- Mr. A.P. Gopu, Published a book titled 'Data and Information Security', Charulatha Publications, 978-81-982104-5-6, November, 2024.
- Ms.V.Raagavarshini, Published Book Chapter Titled 'Hybrid Algorithms for Quantum Computing and Artificial Intelligence Chapter 5: Hybrid Quantum-Classical Algorithms for Optimization problems in AI', RAD Emics, ISBN 978-81-979336-4-6, 2024.
- Ms. S.Devisri, Published a book titled 'Algorithmic mastery with AI-Empowering solutions through Algorithmic Thinking',Aasan International Publication, 979-8-9898612-5-5, 2024.

RESEARCH ACTIVITIES
JOURNEL PUBLICATIONS
- Dr.S.Gokulraj, published a paper 'Anomaly based intrusion detection system using hybrid machine learning approach in IOT Environment' Journal of Electrical Systems, ISSN: 1112-5209,20-10s(2024)-2763-2771.

PATENT PUBLICATIONS
- Dr.S.Jabeen Begum has published a design patent on 'customer emotion detecting AI device' granted on 07.07.2024.
- Dr.S.Jabeen Begum has published a design patent on 'wearable disaster emergency communication device' granted on 20.09.2024.
- Dr.S.Jabeen Begum has published a design patent on 'AI-based Breast Cancer Detection Device'.
- Mr.N.Manickasenthamarai has published patent on 'predictive analytics: transforming customer profiling, segmentation and sales prediction in direct marketing using machine learning'.
- Mr.S.Senthilnathan, published a patent titled 'Predicting Cloudburst Events Using Machine Learning Algorithms: A Data-Driven Approach to Enhance Weather Forecasting Accuracy' on 15.11.2024.
- Mr.A.P.Gopu, published a patent titled 'Machine Learning and Graph Theory For Attack Detection and Route Optimization In Rf Networks' on 22.11.2024.
- Ms.C.Kotteeswari, published a patent titled 'Automated Kidney stone detection in CT scans using Machine learning and Image Processing' on 13.12.2024.

- Ms. Vidhya R, has published a Design Patent on 'IoT & ML for Crop Health Monitoring and Management System'.
- Ms.M.Thilagarani, published a patent titled 'Detecting and Classifying Fraudulent SMS & Email with a Robust Machine learning Approach' on 06.12.2024.
- Ms.S.Nithya, published a patent titled 'IoT-Driven Soil Monitoring and Crop Management with Machine Learning (ML) for Fertilizer recommendation' on 27.12.2024.
- Ms. Nivetha I, has published a Design patent on 'Artificial Intelligence Based Smart Accident Detection Through Video Surveillance Using Computer Vision & Deep Learing Algorithms'.
- Ms. Nanthini.M, has published a Design patent on 'Artificial Intelligence And Machine Learning For Efficient Decision-Making In Enterprise Resource Planning For Corporate Strategy' .
- Ms.S.Priyadharshini has published a Design patent on 'AI-driven exploration of bismuth-based double perovskites for enhanced solar cell performance'.

COPY RIGHTS
- Dr.S.Jabeen Begum, Dr.S.Russiaand Ms. R Vidhya has received the copyright for 'Mobile Application Development Lab Manual'

AWARDS / RECOGNITIONS
- Dr.S.Gokulraj has acted as a Member of Expert committee, in 4th international conference on 'Data science and Big Data Analytics (IDBA-2024)', Organized by school of computer science and Information Technology & School of Data Science at Symbiosis University of applied science-Indore, held during from 12.07.2024 to 13.07.2024.Dr.S.Gokulraj has acted as a Member of Expert committee, in 4th international conference on 'Data science and Big Data Analytics (IDBA-2024)', Organized by school of computer science and Information Technology & School of Data Science at Symbiosis University of applied science-Indore, held during from 12.07.2024 to 13.07.2024.
- Ms.M.Thilagarani, Ms.S.Nithya acted as Mentor for the online Certification NPTEL course on 'Introduction to Internet of Things'.

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