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VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai. (AUTONOMOUS)

Accredited by NAAC with 'A' Grade

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (Accredited by NBA) MAGAZINE 2021-2022 TECH BUZZ





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)

TECH BUZZ 2021-2022

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MESSAGE FROM THE HOD

Computer Science is the real "Rocket Science" for every one that dreamt of becoming a scientist in any walk of life using computers to solve problems. Here, you will study and apply your knowledge in understanding what computers are, as how to program them, tools to write a program, the rules when converting the written program understandable by the computers, the interface between the computer and users, the computer graphics, computer networking, managing the software database, software engineering and testing them efficiently and more. Now computers are used everywhere to reduce the manpower requirements, ease of the efficiency. So the scope of computer science is endless. Computer Science and Engineering students are in high demand as far as industry recruiters are concerned. Depending upon the interest of the student, he/she may choose to go for higher studies or if employed can choose to do research, development, design production, application, testing or management in the Information Technology 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

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.

MOU ACTIVITIES

- MoU was signed between department of CSE and Livewire on 04.03.2022
- MoU was signed between department of CSE and Carifer Technologies private limited on 23.03.2022

ASSOCIATION ACTIVITIES

- The MAGNUMOPUS - Association of Computer Science and Engineering was inaugurated on 04.09.2021. The function was honoured by Ms. Gayathre Devi Subbiah Raju, Test Analyst at Greenstone Financial Services, Sydney, Australia. She also addressed the gathering by a motivational speech



- A Technical Quiz on PYTHON was organized on 16.09.2021. The Quiz contains basic and logical concepts that make the students to understand better in python and to enhance their thinking for programming concepts.
- A Webinar on UI/UX Designing was organized on 25.09.2021. The function was honored by Mr.Jaivignesh P, Associate User Experience Designer,Cognizant Solutions,Chennai.



- A Webinar on 'Full Stack Development' was organized on 01.10.2021. The function was honored by Ms.N.Subharathna Technical Engineer and Trainer, LIVEWIRE, Erode.



- MAGNUMOPUS - Association of CSE conducted an Intra Department meet on 01.11.2021. It contains technical and non technical events.



- A technical event 'TechToday' was organized on 04.12.2021. This event makes the second year students to understand better and to enhance their technical thinking.



- A seminar on 'A Grasp on Placement Preparation' was conducted on 17.12.2021. The function was honored by Mr.K.Sreeraam Executive member of MAGNUMOPUS.



- MAGNUMOPUS - Association of CSE conducted Non-Technical Events on 17.12.2021. Non-Technical Events contains Vegetable/Fruit Carving, Handy Mandy and Ad-Up
- MAGNUMOPUS - Association of CSE conducted Non-Technical Events on 17.12.2021. Non-Technical Events contains Vegetable/Fruit Carving, Handy Mandy and Ad-Up



- A seminar on 'A Grasp on Web Blooming' was conducted on 03.03.2022. The function was honored by Mr.Abhinivesh Executive member of MAGNUMOPUS.



- A Technical seminar on 'Awareness Program along with Speed Maths Techniques and Logical Reasoning' on 10.03.2022.



The function was honored by Mr. Thiagarajan Thirunavukkarasu Director T.I.M.E.

- A Technical Talk on 'The Journey from an Idea to Real World Product' on 16.03.2022. The function was honored by Mr. Mukthar a Shiek Chief Technology Officer, Carifer Technologies Private Limited, Australia & India
- A Technical seminar on 'MACHINE LEARNING' on 02.05.2022. The function was honored by Mr. Dr. R P Ram Kumar, Professor & Head, Department of Computer Science and Engineering, KGiSL Institute of Technology, Coimbatore.
- Association of CSE organized seminar on 'Data Engineering Aspects' on 14.05.2022.



- A technical event 'TechToday' was organized on 04.12.2021. This event makes the second year students to understand better and to enhance their technical thinking.
- Association of CSE has conducted the Webinar on 'Machine learning' on 02.05.2022. The function was honoured by Dr. R P Ram Kumar, Prof & Head, KGiSL Institute of Technology, Coimbatore.
- Association of CSE has conducted the 'Hackathon' project contest for the students of final year CSE on 17.05.2022
- Association of CSE have conducted technical event 'FUN QUIZZICLE' on 17.05.2022
- The Association of CSE MAGNUMOPUS and various CLUBS OF CSE has conducted valedictory function on 26.05.2022

CLUB ACTIVITIES

- 91 participated in an event "Webinar on Data Analysis using Excel" organized by Data Pirates Club on 13.11.2021
- 35 participated in an event "Data visualization" organized by Data Pirates Club on 26.11.2021
- 62 participated in an event "Kickstart Pylamp" organized by Pylamp Club on 20.7.2021
- 37 participated in an event "Live Coding Session" organized by Pylamp Club on 04.08.2021

- 93 participated in an event "Java Rover Boot camp Session -Discussion" organized by Pylamp Club on 08.08.2021
- 148 participated in an event "Introduction to Java Programming." organized by Pylamp Club on 09.08.2021
- 129 participated in an event "Introduction to Tokens" organized by Pylamp Club on 10.08.2021
- 119 participated in an event "Control Structures & Methods" organized by Pylamp Club on 11.08.2021
- 114 participated in an event "Introduction to Arrays" organized by Pylamp Club on 12.08.2021
- 104 participated in an event "Introduction to Strings" organized by Pylamp Club on 13.08.2021
- 98 participated in an event "Classes and Objects" organized by Pylamp Club on 14.08.2021
- 96 participated in an event "Inheritance" organized by Pylamp Club on 15.08.2021
- 106 participated in an event "A brief introduction to Abstraction and Interface" organized by Pylamp Club on 16.08.2021
- 32 participated in an event "Introduction to club pylamp to II-nd year" organized by Pylamp Club on 24.08.2021
- 23 participated in an event "Live Coding Session" organized by Pylamp Club on 27.08.2021
- 23 participated in an event "Things I wish I know I started programing" organized by Pylamp Club on 04.09.2021
- 20 participated in an event "Live Game Building Session" organized by Pylamp Club on 12.09.2021
- 28 participated in an event "Mentor Recruitment Test" organized by Pylamp Club on 24.09.2021
- 30 participated in an event "A Walkthrough on competitive coding platforms" organized by Pylamp Club on 08.10.2021

- 96 participated in an event “Introduction to Domain Realm” organized by Pylamp Club on 29.10.2021
- 92 participated in an event “Domain realm Ice Breaking Session” organized by Pylamp Club on 18.11.2021
- 92 participated in an event “Tetris of programming” organized by Pylamp Club on 26.11.2021
- 107 participated in an event “Solve Me” organized by Pylamp Club on 03.12.2021
- 105 participated in an event “Domain realm Day 1” organized by Pylamp Club on 14.12.2021
- 118 participated in an event “Domain realm Day 2” organized by Pylamp Club on 15.12.2021
- 100 participated in an event “Inaugural Function” organized by Owasap Club on 04.09.21
- 50 participated in an event “Seminar on Intro to Cyber Security” organized by Owasap Club on 20.11.21
- 50 participated in an event “Null Security Quiz” organized by Owasap Club on 02.12.21
- 35 participated in an event “Workshop on Ethical Hacking” organized by Owasap Club on 18.12.21
- 50 participated in an event “Web Tech Quiz” organized by Owasap Club on 02.03.22
- 200 participated in an event “Hackersbay InauguralFunction” organized by Hackerbay Club on 29.10.2021
- 12 participated in an event “Getting Started with cybersecurity” organized by Hackerbay Club on 30.10.2021
- 70 participated in an event “A approach on real world red teaming and blue teaming field” organized by Hackerbay Club on 13.11.2021
- 50 participated in an event “CTF on web security andhands on training” organized by Hackerbay Club on 26.11.2021
- 84 participated in an event “Seminar on “Blockchain with cryptocurrency”” organized by Hackerbay Club on 13.12.2021
- 52 participated in an event “Workshop on reverse engineering” organized by Hackerbay Club on 16.12.2021
- 146 participated in an event “Tick Or Trick” organized by Data Pirates Club on 9.3.2022
- 56 participated in an event “Seminar on Data Visualization And Business Intelligence” organized by Data Pirates Club on 24.3.2022
- 86 participated in an event “Seminar on Future of Full Stack Developer contest” organized by Data Pirates Club on 21.4.2022
- 38 participated in an event “Refresh 2.0” organized by Pylamp Club on 29.01.2022
- 89 participated in an event “Techiefun” organized by Pylamp Club on 17.03.2022
- 136 participated in an event “A seminar on Data Visualization Tools” organized by Pylamp Club on 08.04.2022
- 35 participated in an event “A talk on current trends in the IT world” organized by Pylamp Club on 09.04.2022
- 30 participated in an event “Seminar on OSINT-101” organized by Owasap Club on 02.02.22
- 50 participated in an event “Web Tech Quiz” organized by Owasap Club on 02.03.22
- 35 participated in an event “Capture the Flag Quiz” organized by Owasap Club on 07.04.22
- 50 participated in an event “Seminar on Deep dive into Hacking” organized by Owasap Club on 10.3.22
- 40 participated in an event “Demonstration on ethical hacking” organized by Hackerbay Club on 18.03.2022
- 43 participated in an event “CTF based on red team” organized by Hackerbay Club on 06.04.2022
- 45 participated in an event “CTF based on blue team” organized by Hackerbay Club on 13.04.2022
- 80 participated in an event “Guest Lecture On starting a startup while pursuing your professional course.” organized by Hackerbay Club on 25.05.2022



INDUSTRIAL VISIT

- Our third year students went one day industrial visit to Iroid Technologies, Kochi on 28th April 2022. Totally 111 students along with 4 faculty members have joined the industrial visit



PLACEMENT ACTIVITIES

- Placement Training for final year students was given from 02.07.2021 to 27.07.2021
- Company specific placement training for final year WIPRO Eligible Students was given from 16.08.2021 to 26.08.2021
- Dayanand K G, Kapilanth K S, Manisankar G of final year CSE got an offer letter from LIDO (Annual Compensation INR. 500000/- per annum)
- 23 students got placed in "DXC TECHNOLOGIES", Bangalore, for the position of Associate Professional, CTC Offered 4.0 lakhs per annum.
- 14 students got placed in "TATA CONSULTANCY SERVICES (TCS)", Chennai, for the position of Assistant System Engineer-Trainee, CTC Offered 3.36 lakhs per annum.
- 10 students got placed in "COGNIZANT TECHNOLOGY SOLUTIONS (CTS)", Chennai, for the position of Programmer Analyst Trainee, CTC Offered 4.1 lakhs per annum.
- 08 students got placed in "WIPRO TECHNOLOGIES", Chennai, for the position of Project Engineer, CTC Offered 3.6 lakhs per annum.
- 03 students got placed in "ASPIRE SYSTEMS" Chennai, for the position of Trainee, CTC Offered 3.60 lakhs per annum.
- 02 students got placed in "KANINI SOFTWARE SOLUTIONS", Chennai, for the position of Trainee Associate, CTC Offered 4.0 lakhs per annum.
- 02 students got placed in "TECH MAHINDRA", for the position of Associate Software Engineer, CTC Offered 3.25 lakhs per annum.
- 02 students got placed in "ORION INNOVATIONS", for the position of Associate Engineer, CTC Offered 3.50 lakhs per annum.
- 01 student got placed in "CALIBRAINT TECHNOLOGIES", Chennai, for the position of Associate Quality Assurance-Trainee, CTC Offered 2.75 lakhs per annum.
- 04 students got placed in 'M-PHASIS', Chennai, for the position of Trainee Associate Software Engineer, Cost To Company Offered 3.25 lakhs per annum.
- 02 students got placed in 'CAPGEMINI', Bangalore, for the position of Associate Trainee, CTC Offered 3.5 lakhs per annum.
- 01 student got placed in 'R-SYSTEMS', Chennai, for the position of Trainee Software Engineer, CTC Offered 3.6 lakhs per annum.
- 01 student got placed in 'KAAR TECHNOLOGIES', Bangalore, for the position of Trainee Software Engineer, CTC Offered 6.5 lakhs per annum.
- 01 student got placed in 'ELAIT IT TECHNOLOGY SERVICES PVT LTD', Chennai, for the position of Trainee, CTC Offered 4.5 lakhs per annum.

- 01 student got placed in 'SOPRA STERIA', Chennai, for the position of Engineer Trainee, CTC Offered 6.0 lakhs per annum.
- 01 student got placed in 'ITC INFOTECH INDIA LTD', Chennai, for the position of Associate IT Consultant, CTC Offered 4.25 lakhs per annum.

STUDENTS ACTIVITIES

- 127 Second Year students have attended training on 'Java and Netbeans' organized by FOSS-IIT Bombay on 18.08.2021
- 127 Third year students have attended training on 'HTML' organized by FOSS-IIT Bombay on 13.08.2021
- 111 Final year students have attended training on 'Android App using Kotlin' organized by FOSS- IIT Bombay on 12.08.2021

The following students were presented their paper in the National Conference on Trends in Engineering Applications conducted by Velalar College of Engineering and Technology on 06.05.2022.

- AJITH KUMAR K . S, KAPILANANTH K . S, ARUL PRAKASH S 'Alzheimer Disease Segmentation and Classification using RCNN'
- AATHISH B, KAVINKUMAR M, DHARSHAN G 'Improved Detection and Prevention Mechanisms for DDOS Attack in Cloud Computing Environment'
- DEEPANAA R, DEEPIKA S, DHARUNKUMAR S 'Prediction of Chronic Kidney Disease- Machine
- DHANUSH K R, HARSHAVARTHANAN P, GOKULAKRISNA V . JAY 'Joint Resource Allocation for device to device communication assisted Fog
- JAYKRISHNA R, JEEVITHAA S, GOWTHAM M 'Image Detection and Feature Retrieval using CBIR'
- AISWARYA A, DEEPANKUMAR S, AAKASH P K 'An optimized Blockchain - Topoguard framework for resource management'
- APITHA N, JAGADEESH S, DHIVISH K 'Caser Node device discovery in cloud computing'
- KEERTHANA S, GOKULA PRIYA R 'An Identity Management and Authentication Scheme Based on Redactable Blockchain for mobile networks'
- JANET REXIYA M, HARIPRIYA A 'A machine learning based cyber security intrusion detection system'
- KAVIYARASU V, DARANEES M S, DHANSURRYA S P 'Invulnerable data transfer using Inter Planetary File System(IPFS)'
- AARTHI P, MANI SHANKAR G, CIBI T S 'Tenant-Led Ciphertext Information Flow Control for Cloud Virtual
- JANANI V P, KARTHIKA T 'Predicting at-risk students in the virtual learning environment using Support Vector Machine'
- HARIHARAN S, GOKUL RAJA T 'Semantic Segmentation of satellite images using Deep Learning'
- MAHESHWARI M, GOWSHIGA S 'Predicting the faults in industrial metals using Support vector machine'
- KAVYA SRI R , LOGESHVAR B 'Arrhythmia classification on Electrocardiogram'
- DANUSH R, KAYALVILI K G 'Predicting the mode of childbirth using random forest with label encoding'
- KIRUTHIKAA, HEBSIBAJENIFER R 'Encryption and decryption analysing for grey-color medical image analysis using RSA'
- DHIVYABHARATHI S, GOKULAVANI P K 'Overcoming Jamming using
- KAVIPRIYAK, KEERTHANAR 'Detection of Face mask and Social Distancing using SSD Object detection Algorithm'
- BANUMATHI G, MALKA FIRDAUS A 'Analysis of road traffic fatal accidents using data mining techniques'

- HEMAPRIYA S, BRINDHA P 'Data access control model with cipher-text Authentication'
- SANGAVI J, MERCY BEAULAHA, SHRIMATHIS 'A proficient privacy protection method for cloud computing'
- U R VISHWEESH, THIYAGARAJAN S, SABARISH V 'Stock Trend Prediction with Candle Stick Charting using LSTM algorithm in Machine Learning'
- NIVAASHINI E S, PREETHI B 'A Automated Framework: Ensemble based House Price Prediction System'
- YUVASRI C, SRI SANTHIYA V 'Data Integrity Auditing with Private Key based Online and Offline Verification for Secure Cloud Storage'
- RAJASRI S, RAMYA VIPASHINHI M S R 'Dengue prediction using Machine Learning'
- POONGODI T, SOWMIYA R, SRI MATHI.K 'Cloud Edge for Task Deployment and Load Balancing'
- RAMANI L, RATHINASNEKAM, SRI SHARAN P 'Obtrusion identification using voting based neural networks'
- RUBAN KUMAR V, SOWMIYAK, VIJAYAKUMAR P 'An Effective Brain Tumors Claasification Based on MRI Dataset using Support Vector'
- NIKILAA, SABARI S 'Prediction of heart disease using data mining techniques'
- NARMATHA V, SWATHI G 'A Data mining approach for predicting subscription status of twitch users'
- J. NOUSHEEN SHERIFA, K.YUVAASHRIE, R.PRIYATHARSHINI 'Automated Image Captioning Generation - In Deep Learning'
- MOUNIKA S, PRIYANKA SRI R 'Hospital Secured Data Access Management with Privacy Protection using Blockchain'
- PREETHI S, RAJAM A 'A content based E - learning using classification'
- N P PRAVEEN, J SHERWIN SURYA, M.SATHISH KUMAR 'An improved machine learning approach for denial of service analysis'
- J.SRIRAM, K.NAVEEN KUMAR, S.NITHISH KUMAR 'Machine Learning based Image Steganography'
- NIVETHA G, SULAIKHALBEEVI M, SNEHA M 'Reduced energy consumption of data transmission for TCP download/uploads'
- SARANYA V, SAATHVI R, SWETHA.M 'Diagnosing the prostate cancer using deep learning'
- SOLOMON S, VISHVAKESH R L 'A Hybrid Algorithm to Enhance the Image Deblurring Model'
- RAMYA M R, POOJA S, MAYILVEL RAVINDRAN P 'Software Vulnerability Classification Using Deep And Artificial Neural Networks'
- SHARMILA T, VISHALI S, PRARTHANA N 'Big Data Analytics and Mining for Effective Visualization and Trends Forecasting of Crime Data'
- JEEVANANTHAM G, VASANTH L, SELLA KUMAR C 'Prediction of Task Performance from Physiological Features of Stress Resilience'
- JEEVANANTHAM G, VASANTH L, SELLA KUMAR C 'Prediction of Task Performance from Physiological Features of Stress Resilience'

STUDENTS NPTEL

- 1 Student successfully completed the course 'Introduction to Machine Learning' in NPTEL during September 2021
- 1 Student successfully completed the course 'Python for Data Science' in NPTEL during September 2021

ACULTY ACTIVITIES

WORKSHOP ATTENDED

- Dr.V.Latha Jothi, participated in three days online Workshop on 'AICTE Examination reforms organized by AICTE and NITTTR', Chennai from 06.10.2021 to 08.10.2021.
- Dr.S.Kayalvili, participated in three days online Workshop on 'AICTE Examination reforms organized by AICTE and NITTTR', Chennai from 06.10.2021 to 08.10.2021
- Ms.S.Keerthika, participated three days online workshop on 'How Teachers Can Make a Difference' organized by PALS on from 01.12.2021 to 03.12.2021.
- Dr.S.Kayalvili, K.Vijaya have participated in AICTE sponsored workshop on 'Preparation of SAR for NBA (Tier 1)' organized by Department of Mechatronics Engineering, Kongu Engineering College on 02.02.2022.
- Mr.P.Sukumar has participated in International One Week Online Industrial Training Program on Trending Technology 'Blockchain using Python' at Velalar College of Engineering & Technology from 26.07.2021 to 01.08.2021.
- Mr.P.Sukumar has participated in the webinar on 'Enabling Technologies for Future Wireless Communication' on 02.07.2021 at Pillai Hoc College of Engineering and Technology.
- Mr.R.Sathyaraj, Mr.A.P.Gopu attended Two days seminar on 'Writing Research Article and Journal Selection' organized by Chalapathi Institute of Engineering and technology, Gundur on 06.09.2021 and 07.09.2021
- Mr.R.Sathyaraj attended an webinar on 'Advanced Artificial Intelligence Techniques with MATLAB applications and challenges in industry 4.0' organized by Design tech private systems on 24.09.2021 and 25.09.2021
- Ms.M.Thilagarani, Ms.S.Keerthika, attended One day online seminar on 'COVID-19 Data Analytics using Deep Learning Algorithms' organized by Kongunadu College of Engineering and Technology, Trichy on 22.10.2021.

SEMINARS/WEBINARS ATTENDED

- Dr.S.Jabeen Begum, Dr.S.Kayalvili, Dr.S.Gokulraj, Mr.R.Sathyaraj, Mr.A.P.Gopu has participated in the 'Virtual Education Conclave 2021' with the theme of Sustainable Growth of Academia and Industry under the Aegis of New National Education Policy held on 28.08.2021.
- Dr.S.Gokulraj has participated in one week Webinar Series on 'Emerging Research Trends in Computer Science and Technology' at SRM Institute of Science and Technology, Ramapuram Campus, Chennai held on 23.08.2021 to 29.08.2021.
- Dr.S.Gokulraj has participated and completed Technical webinar entitled on 'Computer Aided Diagnosis using Image Processing' organized by the Department of ECE on 21.08.2021 of Bharath Institute of Science and Technology, Chennai
- Dr.S.Jabeen Begum, Dr.V.Latha Jothi and Dr.S.Kayalvili have participated in the Six Days International Tech Talk Series titled 'Industry Institute Integrated Technology Transfer' organized by KGiSL Institute of Technology, Coimbatore from 14.03.2022 to 19.03.2022.
- Dr.S.Jabeen Begum, Dr.V.Latha Jothi and Dr.S.Kayalvili has participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 15.03.2022.
- Dr.S.Gokulraj, Dr.S.Sadesh have participated in the Virtual Faculty Development Program on Fundamentals of Cloud Computing, IBM Watson and Permissionless and Permissioned Block chain Systems:Myths and Reality, during 09.02.2022 to 11.02.2022 Organized by PALS-IIT.

- Ms.R.Vishalakshi have participated Short Term Training Programme on 'Data Science and Hydrogeological Studies' conducted by Department of Information Technology and Department of Applied Geology during 16.02.2022 to 20.02.2022 at National Institute of Technology Raipur, Chhattisgarh
- Dr.S.Sadesh has participated in 12 hours Faculty Development Program on 'Cyber security Infrastructure Configuration' (Online Live FDP) conducted by ICT Academy on 20 Sep 2021 to 24 Sep 2021.

FACULTY ENABLEMENT PROGRAM

- Dr.S.Jabeen Begum, Dr.V.Latha Jothi, Dr.S.Kayalvili has participated in the AICTE Training And Learning (ATAL) Academy Online FDP on 'AR / VR Technologies – A Game Changer for Health Care Industry' from 20.09.2021 to 24.09.2021 at SNS College of Technology.
- Dr.S. Jabeen Begum, Dr.V.Latha Jothi, Dr.S.Kayalvili has participated in the AICTE Training And Learning (ATAL) Academy Online FDP on 'Critical Design Thinking in Engineering and Collaborative Team Learning Strategies for Effective Team Work' from 09.08.2021 to 13.08.2021 at M.Kumarasamy College of Engineering.
- Dr.S. Jabeen Begum, Dr.V.Latha Jothi has attended AICTE sponsored STTP on 'IoT and its Application in Industry' by Sikkim Manipal Institute of Technology from 19.07.2021 to 24.07.2021.
- Dr.S. Jabeen Begum, Dr.V.Latha Jothi, Dr.S.Sadesh, Dr.S.Kayalvili has attended the Faculty Development Program on 'Inculcating Universal Human Values in Technical Education' by All India Council for Technical Education(AICTE) from 12.07.2021 to 16.07.2021
- Dr.V.Latha Jothi has completed the NPTEL-AICTE FDP on 'Data Base Management Systems' from Jul - Sep 2021
- Dr.S.Sadesh has participated in International one week online industrial Training program 'Block chain Using Python' on 26.07.2021 to 01.08.2021 Hosted by Department of ECE, Velalar College of Engineering and Technology in Association with Pantech E Learning, Chennai.
- Dr.S.Kayalvili has attended AICTE sponsored STTP on 'IoT and its Application in Industry' by Sikkim Manipal Institute of Technology from 19.07.2021 to 24.07.2021.
- Dr.S.Gokulraj has participated in International one week online industrial Training program 'Block chain Using Python' on 26.07.2021 to 01.08.2021 Hosted by Department of ECE, Velalar College of Engineering and Technology in Association with Pantech E Learning, Chennai.
- Dr.S.Gokulraj has participated in 3 days National level FDP on 'Perceptions of Research, Paper Publication and overview of Patent Filing' organized by department of computer science and applications, SRM institute of science and technology, ramapuram, chennai held on 25.08.2021 to 27.08.2021.
- Mr.P.Sukumar has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on 'Framework for Online Assessment' from 12.07.2021 to 16.07.2021 at National Institute of Technical Teachers Training & Research.
- Mr.P.Sukumar has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on 'Artificial Intelligence in Revolutionizing Healthcare' from 19.07.2021 to 23.07.2021 at National Institute Of Technology Puducherry, Karaikal.
- Mr.P.Sukumar has participated and successfully completed the 5-day online FDP on the theme 'Inculcating Universal Human Values in Technical Education' organized by All India Council for Technical Education(AICTE) from 26.07. 2021 to 30.07.2021.

- Mr.P.Sukumar has participated in 12 Hours of Faculty Development Program on 'Cyber security Infrastructure Configuration' (Online Live FDP) conducted by ICT Academy on 20.09.2021 to 24.09.2021.
- Ms.S.Ponni , Ms.S.Nithya has attended AICTE Training and Learning (ATAL) Academy Online FDP on 'Artificial Intelligence in the Energy Sector: Opportunities And Challenges' from 09.08.2021 to 13.08.2021 at Gyan Ganga Institute of Technology and Sciences Jabalpur MP.
- Mr.R.Sathyaraj, Mr.A.P.Gopu attended an online Faculty Development Programme on 'Waste Management Practices for Future India' organized by University College of Engineering, Ramanathapuram from 13.09.2021 to 17.09.2021
- Mr.R.Sathyaraj attended an online Faculty Development Programme on 'Edge Computing Technologies for Smart Factory Automation and Industry 4.0' organized by Kongu Engineering College, Perundurai from 16.08.2021 to 20.08.2021
- Mr.R.Sathyaraj, Mr.A.P.Gopu attended an online Faculty Development Programme on 'Magnetic Levitation' organized by Hindustan Institute of Technology, Coimbatore from 20.09.2021 to 24.09.2021
- Mr.R.Sathyaraj, Mr.A.P.Gopu attended an online Faculty Development Programme on 'Design thinking and Creativity for Educators' organized by VELS Institute of Science Technology and Advanced Studies from 27.09.2021 to 01.10.2021
- Ms. M.Thilagarani, Ms.S.Keerthika attended a ATAL online Elementary FDP on 'Internet of Things' organized by Rajagopal Polytechnic College from 23.08.2021 to 27.08.2021.
- Ms. M.Thilagarani, Ms.S.Keerthika attended a ATAL online Elementary FDP on 'Space Data Analytics' organized by Amity Institute Of Space Science And Technology from 06.09.2021 to 10.09.2021.
- Ms. M.Thilagarani, Ms.S.Keerthika attended a ATAL online Elementary FDP on 'Data Sciences' organized by National Power Training Institute (Southern Region) from 09.08.2021 to 13.08.2021.
- Ms. M.Thilagarani, Ms.S.Keerthika attended a ATAL online Elementary FDP on 'ROAD Response effectiveness, Organizing self, Attitudinal shift and Decision making' organized by SRM Institute of Science and Technology from 20.09.2021 to 24.09.2021.
- Ms. M.Thilagarani attended a AICTE Sponsored One Week STTP on 'Advanced Technology to Bridge the Gap Between Medical Science Engineering for the Benefit and Mankind' organized by JIS College of Engineering from 23.08.2021 to 27.08.2021.
- Ms. S.Keerthika attended a Faculty Development programme on "Framework for Assessment" organized by Center for Faculty Development Cell, organized by Dr. N.G.P. Institute of Technology on 11.09.2021.
- Ms.R.Vishalakshi participated in an AICTE sponsored Online Faculty Development Program on "Intelligent Computing in Healthcare" from 20.09.2021 to 24.09.2021 thrust area Artificial Intelligence at National Institute of Technology, Raipur.
- Dr.S.Gokulraj, Participated and successfully completed the 5-day online FDP on the theme 'Inculcating Universal Human Values in Technical Education' organized by All India Council for Technical Education(AICTE) from 04.10.2021 to 08.10.2021.
- Dr.S.Gokulraj, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on 'Internet Of Things(IoT) using Arduino & Raspberry PI' from 25.10.2021 to 29.10.2021 at Sakthi Polytechnic College, Erode.

- Dr.S.Gokulraj, participated in the virtual faculty student development Program on trends in cyber security and privacy, artificial intelligence (AI) Past, present and future & cloud database systems conducted in three half Days in 09.12.2021 to 11.12.2021.
- Dr.S.Gokulraj, participated in the online Short Term Training Program(STTP) 'Cyber Data Analytics' from 09.12.2021 to 20.12.2021 organized by School of computer science VET Institute of Arts and Science College, Erode.
- Dr.S.Kayalvili, participated in three days online Faculty Development Program on 'Trends in Cyber Security and Privacy, Artificial Intelligence (AI) Past, Present and Future & Cloud Database Systems' organized by PALS three half Days from 09.12.2021 to 11.12.2021.
- Ms.M.Thilagarani, Ms.R.Vishalakshi, Ms.S.Keerthika Participated and successfully completed the 5 days online FDP on the theme 'Inculcating Universal Human Values in Technical Education' organized by All India Council for Technical Education(AICTE) from 22.11.2021 to 26.11.2021.
- Mr.A.P.Gopu, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on 'Artificial Intelligence Enabled Sensors and Networks for 5G Wireless Communications' from 06.12.2021 to 10.12.2021.
- Mr.A.P.Gopu, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on 'Advance Data Science and its Applications' from 13.12.2021 to 17.12.2021
- Mr.A.P.Gopu, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on 'Foundations of Data Science and Machine Learning for Cross-domain Applications' from 27.12.2021 to 31.12.2021
- Ms.M.Priyavarshini, Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on 'Application of IoT in Aerospace Engineering' from 27.12.2021 to 31.12.2021.
- Dr.S.Jabeen Begum, Dr.V.Latha Jothi and Dr.S.Kayalvili have completed in the AICTE/ISTE approved Orientation Programme on 'Advance Pedagogy using Smart Tools' held during 21.01.2022 to 28.01.2022 organized by K.L.N. College of Engineering.
- Dr.S.Jabeen Begum, Dr.V.Latha Jothi and Dr.S.Kayalvili have completed AICTE-NITTT Mentor Orientation Training Programme organized by NITTTTR-K Mentor Training Team, National Institute of Technical Teachers' Training & Research, Kolkata from 07.02.2022 to 11.02.2022.
- Dr.S.Gokulraj, has participated in AICTE-ISTE Sponsored Refresher Programme on 'Collaboration of AI with AR and VR' held during 14.02.2022 to 19.02.2022 Organized by KSR Institute for Engineering and Technology, Tiruchengode, Tamilnadu.
- Ms.R.Vishalakshi have participated in the Faculty Development Program on 'Block chain and its applications', during 07.03.2022 to 11.03.2022 Organized by Presidency University, Karnataka.
- Ms.M.Thilagarani, Ms.S.Keerthika has participated in the Six- day Faculty Development Training Programme on 'CS8074-Cyber Forensics' from 02.02.2022 to 08.02.2022 Conducted by Jaya Engineering College, Thiruninravur.
- Dr.S.Sadeesh participated one week faculty development program on 'ICT tools for effective teaching learning' from 23.05.2022 to 28.05.2022 at Amar Sewa Mandal's Kamala Nehru Mahavidyalaya, Nagpur, Maharashtra.

- Dr.S.Gokulraj has attended two days training programme for 'Mentors of Standards Club' held during 28.04.2022 to 29.04.2022 at Chennai, Conducted by Bureau of Indian Standards, National Institute of Training for Standardization.
- Dr.S.Gokulraj has attended three days online FDP on 'Intelligent Computing with IOT in Health Care' Organized by department of Information Technology, Mepco Schlenk Engineering College, Sivakasi on 09.05.2022 to 11.05.2022
- Ms.R.Vishalaskhi has attended a program on IEEE SPS Seasonal School on 'Image , Audio,and Video Processing for Patteren Recognition' from 23.06.2022 to 28.06.2022 held at Kumaraguru College of Technology, Coimbatore – 641049.
- Ms.K.Vijaya acted as resource person for the event "AICTE-ISTE sponsored one week online Refresher Program on "Advanced Training Program on Teaching(Phase-III)" held on 4/9/2021 at Malla Reddy Engineering College (Autonomous)
- Dr.S.Kayalvili has acted as Resource Person for the Faculty Development Program on 'OUTCOME BASED EDUCATION' held on 27.01.2022, organized by Internal Quality Assurance Cell, Vellalar College of Education.
- Dr.S.Kayalvili has acted as resource person in the workshop on 'Program Outcome (PO) Attainment', organized by Vellalar College for Women on 29.04.2022.
- Dr.S.Kayalvili has acted as resource person in the webinar on 'NBA-OBE- CO PO Mapping', organized by SNS College of Technology, Coimbatore on 29.06.2022.

LECTURE / KEY NOTE ADDRESS DELIVERED

- Dr.V.LathaJothi acted as resource person for the event "Fourth IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT 2021)" held on 15/09/2021 at VCET, Erode
- Dr.V.LathaJothi acted as resource person for the event "International Conference on Advancements in Electrical Electronics Communication Computing and Automation (ICAECA2021)" held on 18/10/2021 at Kumaraguru College of Technology, Coimbatore
- Dr.V.LathaJothi acted as resource person for the event "Guest Lecture" held on 30/10/2021 at KGiSL Institute of Technology, Coimbatore
- Dr.V.LathaJothi acted as resource person for the event "AICTE-ISTE sponsored one week online Refresher Program on "Advanced Training Program on Teaching(Phase-III)" held on 4/7/2021 at Malla Reddy Engineering College (Autonomous)
- Dr.V.Latha Jothi delivered a lecture on 'Approximation Algorithms for NP - Hard Problems' at KGiSL Institute of Technology on 30.05.2022
- Dr.V.Latha Jothi delivered a lecture on 'Analysis of Iterative Improvement Problems' for II year students in JP College of Engineering on 01.06.2022.
- Dr.S.Kayalvili acted as resource person for the event "Workshop on PO attainment" held on 29/04/2022 at Vellalar College for Women
- Dr.S.Kayalvili acted as resource person for the event "Workshop on PLO and CLO Mapping and attainment Computation" held on 12/5/2022 at Vellalar College of Education
- Dr.S.Kayalvili acted as resource person for the event "Faculty Development Program on Outcome Based Education" held on 27/1/2022 at Vellalar College of Education
- M.Mohanasundari acted as resource person for the event "Guest Lecture" held on 13/05/2022 at JP College of Engineering.

CONFERENCE PRESENTED

- Dr.S.Jabeen Begum has presented a paper on 'Rainfall monitoring using artificial neural network and ARMA based ground water' in International Conference organized by PSN Institute of Technology and Science, Tirunelveli on 28.04.2022 & 29.04.2022

The following faculty was presented their paper in the National Conference on Trends in Engineering Applications conducted by Velalar College of Engineering and Technology on 06.05.2022.

- Dr.S.Jabeen Begum, 'Encryption and decryption of grey/medical image analysis using RSA'
- Dr.S.Jabeen Begum, 'Stock trend prediction with candlestick charting using LSTM algorithm in machine learning'
- Dr.V.Latha Jothi, 'Dengue Prediction using Machine Learning'.
- Dr.V.Latha Jothi, 'Alzheimer disease Segmentation and Classification using RCNN'
- Dr.S.Kayalvili, 'Obtrusion identification using voting based neural networks'
- Ms.R.Vishalakshi, 'Arrhythmia classification on Electrocardiogram'
- Ms.M.Thilagarani, 'Effective visualization and forecasting of crime data using data mining'
- Ms.S.Keerthika, 'Software vulnerability classification using deep and artificial neural networks'
- Ms.M.Thilagarani, 'Detection of facemask and social distancing using SSD object detection algorithm'
- Ms.S.Keerthika, 'Predicting at-risk students in virtual learning environment using support vector machine'
- Mr.A.P.Gopu, 'Predicting the mode of child birth using random forest with label encoding'
- Mr.A.P.Gopu, 'Automated image captioning using generator deep learning'
- Ms.R.Vishalakshi, 'An optimized Blockchain - Topoguard framework for resource management'

NPTEL CERTIFICATES

- Dr.V.Latha Jothi, successfully completed the course 'Data Base Management System' in NPTEL with Elite certificate during Jul-September 2021.
- Dr.V.Latha Jothi received NPTEL Domain Certification in Programming domain based on October 2021 examinations

JOURNAL PUBLICATIONS BY THE FACULTY MEMBERS

- Dr.S.Kayalvili published a paper titled 'An efficient network security on SDN wireless environment' in the Vidyabharati International Interdisciplinary Research Journal, Special Issue on Engineering Technologies and Management, ISSN 2319-4979, Pg.No. 1796 – 1802 (Web of Science & UGC Care II)
- Dr.S.Kayalvili published a paper "An Efficient Network Security on SDN Wireless Environment" in Vidyabharati International Interdisciplinary Research Journal - Special Issue on Engineering Technologies and Management, 2319-4979, pp 1796-1802, Jun-21
- M.MohanaSundari published a paper "Lung Cancer Prediction and Classification Using Recurrent Neural Network" in International Journal of Research in Engineering, Science and Management, 2581-5792, Vol. 4, Issue 11, pp 8-10, Nov-21
- M.Thilagarani published a paper "Bbrp21 technique used to store and secure the data in cloud storage database" in Journal of University of Shanghai for Science and Technology, 1007-6735, Vol. 23, Issue 11, pp13-19, 21-Nov
- Dr.S.Jabeen Begum published a paper "Evolutionary Algorithm Based Adaptive Load Balancing (EA-ALB) in Cloud Computing Framework" in Intelligent Automation & Soft Computing, Tech Science Press, 2326-005X, doi:10.32604/iasc.2022.025137, Vol.34, No.2, 2022, pp.1281-1294, May-22

- Dr.V.Latha Jothi published a paper “Dengue prediction using machine learning” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 04, Issue 05 pp.4751-4755, May-22
- Dr.V.Latha Jothi published a paper “Segmentation and Classification of Alzheimer's Using RCNN” in International Journal of Research in Engineering and Science, 2320-9364, Vol. 10, Issue 5, pp.07-10, 2022
- Dr.S.Sadesh published a paper “Data access control model with cipher- text authentication” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 04 Issue 05, pp 321-325, May-22
- Dr.S.Kayalvili published a paper “IoT Based Covid-19 Patient Health Monitoring System Using Wi-Fi” in International Journal of Innovative Research in Science and Engineering, 2454-9665, Vol. 8, Issue 4, pp.118-123, 22-May
- Dr.S.Kayalvili published a paper “Image Detection and Feature Retrieval using CBIR” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 931-935, 22-May
- Dr.S.Gokulraj published a paper “Towards Block chain for Suitable Efficiency and Data Integrity of IoT Ecosystem Transactions” in International Journal of Recent Advances in Multidisciplinary topics, 2582-7839, Vol. 3, Issue 5, pp.168-170, May-22
- Dr.M.Deepa published a paper “Medical Healthcare System with Hybrid Block based Predictive models for Quality preserving in Medical Images using Machine Learning Techniques” in IEEE Xplorer, 978-1-6654-9515-8 , I E E E N o : # 5 4 4 8 8 , D O I : 10.1109/ICACTA54488.2022.9753355, Apr-22
- Dr.M.Deepa published a paper “Analysis of road traffic fatal accidents using data mining techniques” in International Journal for Research & Development in Technology, 2349-3585, Vol. 17, Issue 6, pp.10-16, Jun-22
- Dr.M.Deepa published a paper “Data integrity auditing with private key based online and offline verification for secure cloud storage” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 04, Issue 05 pp.4147-4150, May-22
- Dr.M.Deepa published a paper “Hospital secured data access management with privacy protection using blockchain technique” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 04, Issue 05 pp.3939-3943, May-22
- Dr.M.Deepa published a paper “Prediction of chronic kidney disease-a machine learning perspective” in International Journal for Research & Development in Technology, 2349-3585, Vol. 17, Issue 5, pp.6-11, May-22
- M.MohanaSundari published a paper “Improved face recognition using Convolutional Neural Network with unaided learning” in IEEE Xplorer, 978-1-6654-3524-6, IEEE Xplore Part Number: C F P 2 1 J 8 8 - A R D O I : 10.1109/ICECA52323.2021.9676104, Jan-22
- M.MohanaSundari published a paper “A content based e-learning using classification algorithms” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 04, Issue 05 pp.2621-2625, May-22
- M.MohanaSundari published a paper “Detection and prevention mechanisms for DDOS attack in cloud computing environment” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 04, Issue 05 pp.4566-4569, May-22

- K.Vijaya published a paper "Cloud-edge for task deployment and load balancing" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 4577-4783, 22-May
- K.Vijaya published a paper "Progressed Machine Learning method for deduplication in Cloud Computing" in International Journal of All Research Education and Scientific Methods, 2455-6211, Vol. 10, Issue 5, pp.2712-2715, 22-May
- S.Vivekanandan published a paper "Invulnerable data transfer using interplanetary file system (IPFS)" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 4, pp. 1-6, 22-Apr
- S.Vivekanandan published a paper "Semantic segmentation of satellite images using deep learning" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 2134-2138, 22-May
- C.Kotteeswari published a paper "Joint resource allocation for device-to-device communication assisted fog computing" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 1-7, 22-May
- D.Lavanya published a paper "Overcoming jamming using NOMA" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 3397-3341, 22-May
- D.Lavanya published a paper "Diagnosing the prostate cancer using deep learning" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 4570-4576, 22-May
- S.Subathra published a paper "Predicting the faults in industrial metals using support vector machine" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 4, pp. 2245-2249, 22-Apr
- S.Nithya published a paper "An efficient method to enhance and deblur image using two dimensional discrete wavelet transform" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 4151-4158, 22-May
- M.Thilagarani published a paper "An automated framework: Ensemble based house price prediction system" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 4116-4122, 22-May
- M.Thilagarani published a paper "Detection of facemask and social distancing using SSD object detection algorithm" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 1340-1347, 22-May
- M.Thilagarani published a paper "Effective visualization and forecasting of crime data using data mining" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 4653-4656, 22-May
- A.P.Gopu published a paper "Predicting the mode of childbirth using random forest with label encoding" in International Journal for Research & Development in Technology, 2349-3585, Vol. 17, Issue 5, pp.46-49, May-22
- R.Vishalakshi published a paper "An optimized block chain-topoguard framework for resource management" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 2000-2003, 22-May
- R.Vishalakshi published a paper "Arrhythmia classification on electrocardiogram" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 4, pp. 1966-1970, 22-Apr
- M.Priyavarshini published a paper "A data mining approach for predicting subscription status of twitch users" in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 4683-4687, 22-May

- M.Priyavarshini published a paper “A machine learning based cyber security intrusion detection system” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 1993-1997, 22-May
- S.Keerthika published a paper “Predicting at-risk students in virtual learning environment using support vector machine” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 4, pp. 2250-2254, 22-Apr
- S.Keerthika published a paper “Software vulnerability classification using deep and artificial neural networks” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 1993-1997, 22-May
- S.Keerthika published a paper “Tenant-led ciphertext information flow control for cloud virtual machines” in International Research Journal of Modernization in Engineering Technology and Science, 2582-5208, Vol. 4, Issue 5, pp. 3413-3418, 22-May

RESEARCH ACTIVITY

PATENT

- K.Mohanapriya Published a Patent on ‘Blockchain-based secure, reliable, and distributed voting system’ [Reg.No: 202111041201 & 14.09.2021]
- Dr.M.Deepa Published a Patent on ‘Smart voice emotion identification system for affective electronic learning using Image processing technique’ [Reg.No: 202141046599 & 12.10.2021]
- M.Mohanasundari Published a Patent on ‘Deep Learning based smart attendance management system’ [Reg.No: 202131040837 & 09.09.2021]
- Dr.S.Jabeen Begum Published a Patent on ‘AI based smart cloud computing 8k video codec’ [Reg.No: 202141042899 & 22.09.2021]
- C.Kotteeswari, Dr.S.Kayalvili Published a Patent on ‘Deep Learning based fault detection electrical distribution network’ [Reg.No: 202141049829 & 30.10.2021]

- Dr.S.Kayalvili Published a Patent on ‘Embedded systems based anti-theft ATM machine’ [202141055342 & 30.11.2021]
- Dr.V.Latha Jothi Published a Patent on ‘Scanning and identification of public with ambulance device using AADHAR card databank’ [Reg.No: 202141046856 & 14.10.2021]
- Dr. S. Sadeesh Published a Patent on ‘FLEXIBLE ARM 3D PRINTER WITH PARAMETRIC CONTROL USING AI ‘ [Reg.No: 17.03.2022 & 202241014771]

AWARDS / RECOGNITIONS

Dr. S.Sadeesh , Executive Committee Member of Velalar College of Engineering and Technology, A PALS Partner Institute accordingly fulfilled the completion criteria for the faculty development program on Leadership and Administration conducted by



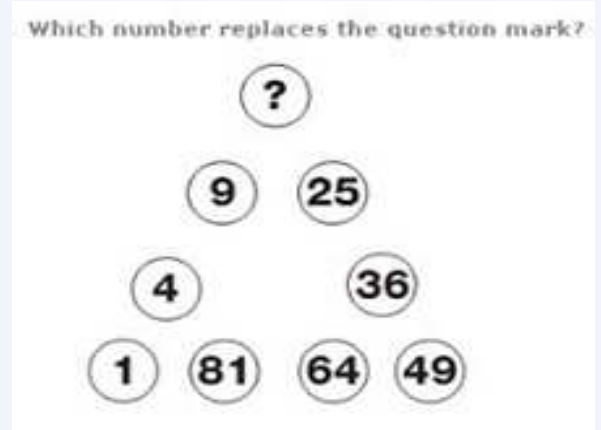
PALS

- Dr.S.Sadeesh was awarded ‘Certificate of Appreciation’ in recognition of his role as mentor for NPTEL online certification course ‘ Data Analytics with Python’ during Jan – April 2022
- Dr.S.Sadeesh was awarded ‘Certificate of Appreciation’ for his instrumental role as SPOC for the SWAYAM_NPTEL Local chapter based on performance and participation of candidates for the Jan – Apr 2022 semester
- Dr.S.Kayalvili was awarded ‘Certificate of Appreciation’ in recognition of her role as mentor for NPTEL online certification course ‘ Principles of Management’ during Jan – April 2022

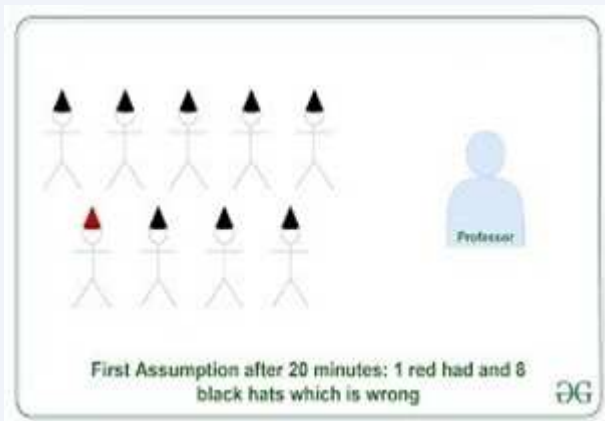
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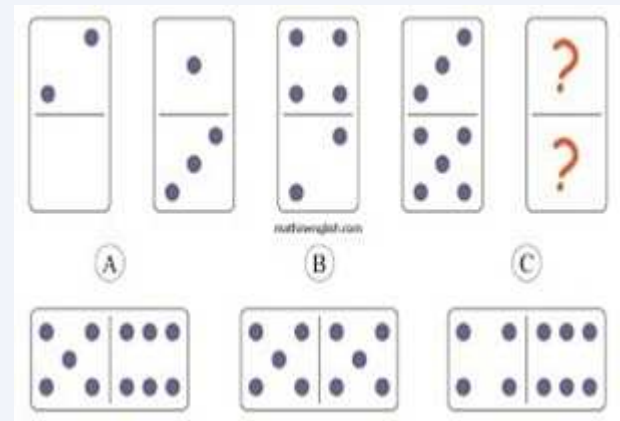
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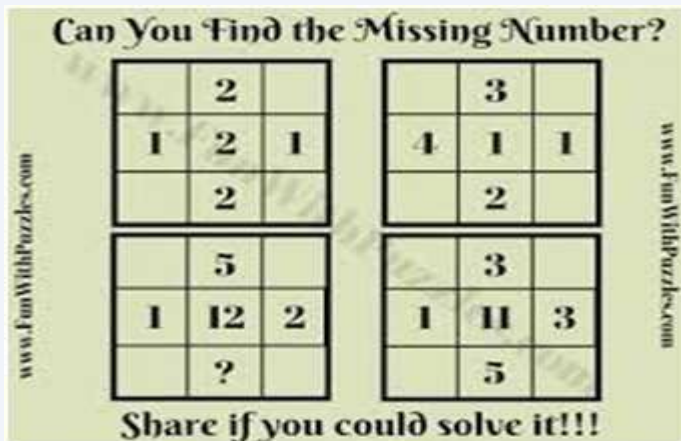
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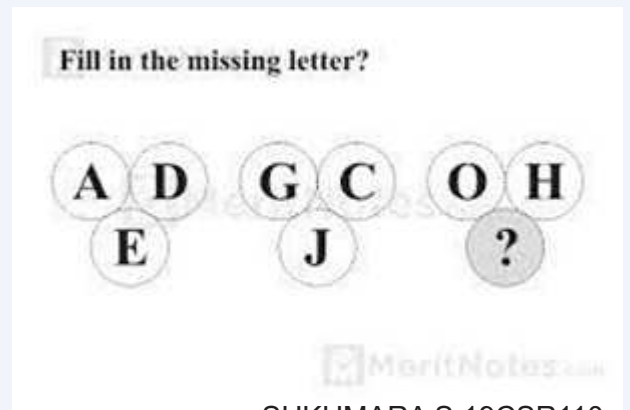
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KEERTHANA S 19CSR051



MEENACHI S 19CSR060



SUKUMARA S 19CSR110



SONIYA D 19CSR104



NASRIN F 20CSR063



POOJA S 20CSR070



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By – Sabari S (18CSR083)

FOOD

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F	P	R	B	V	L	N	U	Y	A	M	D	V	C	R	I	E
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Z	Y	X	U	U	T	R	M	A	Y	O	N	N	A	I	S	E
V	L	D	B	L	E	T	T	U	C	E	B	U	T	T	E	R

TOMATO	TEA	TACO	SUGAR
SOUP	SODA	SANDWICH	POTATO
PIZZA	PEACH	ORANGE	ONION
MILK	MAYONNAISE	LETTUCE	LEMONADE
HAMBURGER	COOKIE	COFFEE	CHEESEBURGER
CHEESE	CEREAL	CARROT	BUTTER

RAMANI L 18CSR077

Beach Word Search

H	D	B	P	P	S	U	N	G	L	A	S	S	E	S	V	O	R	O	L
A	M	A	E	R	C	K	E	N	F	B	B	L	F	B	P	A	W	D	E
S	P	G	S	H	Y	A	F	E	Q	X	O	E	J	Q	T	S	J	J	C
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P	B	R	S	P	R	A	Y	D	N	T	A	O	R	G	K	T	B	F	S
E	M	D	J	Q	T	S	R	B	U	I	V	Z	I	I	F	E	Z	Q	I
T	E	X	D	B	H	U	A	E	S	U	B	C	M	J	A	I	S	B	E
R	G	W	Q	O	A	T	Z	N	V	J	E	H	D	C	X	H	U	Z	L
T	X	U	V	P	H	Q	H	C	V	W	W	H	W	I	M	C	D	W	
B	I	E	B	I	N	I	K	I	B	A	L	B	M	P	B	H	N	K	B
O	L	T	N	W	N	T	F	R	V	L	A	L	U	R	B	A	X	R	E
A	K	G	O	O	C	H	M	D	Z	L	N	Y	E	C	S	A	H	B	F
W	K	K	U	I	E	O	Z	T	L	J	G	L	N	K	N	U	D	P	
L	N	L	L	A	B	W	A	O	K	O	L	N	E	X	I	E	R	Q	O
O	L	A	J	W	T	E	L	T	S	A	C	D	N	A	S	A	T	Q	R
S	J	Q	S	T	I	U	S	K	T	P	A	P	V	R	P	J	D	L	A

ALOE	BALL	BATHING
BEACH	BUCKET	BEACHBALL
BIKINI	COOLER	BUG
CHAIR	ICE	CREAM
HAT	SHELLS	SAND
SARONG	SUIT	SHOVEL
SPRAY	SUNGLASSES	SUN
SANDCASTLE	UMBRELLA	SUNSCREEN
TOWEL		VERA

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PRATHIISHA N 19CSR074

Can you Solve this?

IF

2=10

3=18

4=28

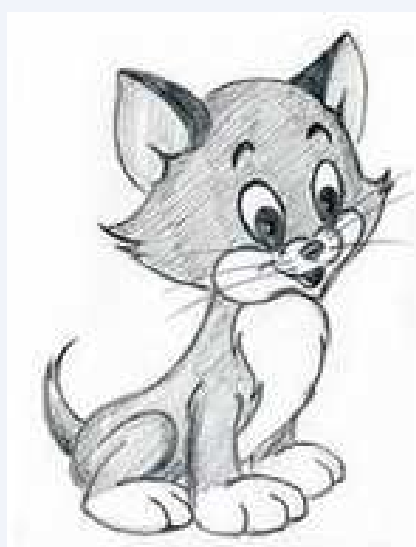
6=54

THEN

8=?

SHARE IF YOU COULD FIND IT :)

By – DHIVISH K (18CSR022)



MYTHILI R 19CSR064

How Many Hidden Numbers

6841

WISTORE

By – POONGODI T (18CSR069)



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