VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY
(AUTONOMOUS), THINDAL, ERODE-12

DEPARTMENT OF INFORMATION TECHNOLOGY
(Accredited by NBA & NAAC with 'A+' Grade)

DEPARTMENT NEWSLETTER
Academic year 2022-2023

Vision of the Institute

To provide a wide range of Academic and Research Programmes and strive to develop a Centre of Excellenc for Learning

Mission of the Institute

M1 : To impart essential knowledge to the students through quality education, training and research activities.
M2 : To inculcate the students with Societal Awareness, Professional Ethics and Leadership Qualities.
M3 : To mould the students as high quality Engineers, Technocrats, Scientists, Administrators and Entrepreneurs.
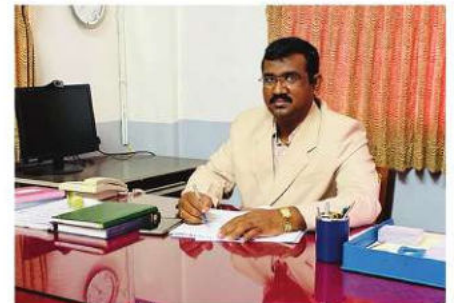
Vision of the Department

To provide technological excellence in learning in the field of Information Technology and promote academic and research activities.

Mission of the Department

M1:Attain technological excellence through quality education and well-designed curriculum adaptable to technological needs.
M2:Facilitate value added courses and interdisciplinary training to provide highly competent IT professionals and entrepreneurs.
M3 : Produce socially aware and ethically responsible engineers through human value education.

MESSAGE FROM HOD

Education is important for every individual in a nation. Technical Education plays a vital role in the development of any country. VCET is providing an excellent quality of education and mentoring for the students aspiring to be competent professionals i n Engineering and Technology. Training and placement cell of VCET is active through out the year. It takes utmost care to place every student in the best place with best package. It also works to bridge the gap between industry and institution by arranging seminars and workshops engaged with the industry experts and academic experts. Extension programmes like NCC, NSS,Youth Red Cross, Red Ribbon club, Rotaract club and Green Club have been made an integral part of the curriculum to encourage students to participate in community building processes. Students are provided a perfect balance of academics, sports, artistic and social opportunities.Discipline, values and integrity are the foundation of this Institution.We continuously strives tocreate a community of learning. The opportunities at our campus will provide for students to fare best in studies, achievegreater heights and make a legacy in life. With all the laurels we have achieved till date, I am sure we will keep providing a gamut of professional Engineers and Technocrats, backed by top most professional services. My best wishes to all the prospective students of IT department and regards to their parents for having shown faith in us.

I wish Best of Luck to all of them....!!!

PEO's of the Department:

The Program Educational Objectives of the Information Technology Program is listed below:
PEO 1 -- **Preparation:** Excel in post graduate studies and career.
PEO 2 -- **Core Competence:** Solve problems using the engineering fundamentals.
PEO 3 -- **Professional Environment** : Have engineering breadth to achieve solutions for the needs of society.
PEO 4 -- **Multidisciplinary** : Develop professional and ethical values, effective communication, team work and managerial skills for societal and environmental contexts.
PEO 5 -- **Learning Environment** : Attain professional competence through lifelong learning.

PROGRAMME OUTCOMES:

Engineering Graduates will be able to:

- PO 1 - **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals,and an engineering specialization to the solution of complex engineering problems.
- PO 2 - **Problem analysis :** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3 - **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.
- PO 4 - **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.
- PO 5 -**Modern tool usage:** Create,select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an undestanding of the limitations.
- PO 6 - **The engineer and society :** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineer ing practice.
- PO 7 - **Environment and sustainability :** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO 8 - **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.
- PO 10 - **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.
- PO 11 - **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.
- PO 12 - **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOME:

- PSO 1 - Apply technical concepts and practices in information technology and effectively integrate IT-base solutions into the user environment.
- PSO 2 - Practice as an ethical software engineer in the evolving discipline of Information Technology by employing management skills learnt through internships and multidisciplinary projects.

PROGRAMS ORGANISED BY THE DEPARTMENT

ASSOCIATION ACTIVITIES- INFOAUXANO

- A Seminar on 'Full Stack Development' was conducted on 25.01.2023 for the benefit of third year students.

- 18th National Level Technical Symposium was conducted on 24.02.2023 for the benefit of students.

- A Workshop series on 'Data visualisation on python' was conducted on 16.02.2023 for the benefit of third year students.

- IEI Inaugral Function was conducted on 18.03.2023 for the beneits of all the students.

- Association Valedictory Function was conducted on 18.04.2023 for the benefits of all the students.

- A Guest Lecture on 'Deep Dive into Data Analytics using Automated Machine Learning' was conducted on 18.03.2023 for the benefit of third year students.

- A Seminar on 'Placement: A Kayak Paddle on a Well' was conducted on 17.04.2023 for the benefit of third year students.

PLACEMENT ACTIVITIES

- Ashika M of final year got placed in Vinsinfo and JMAN.
- Bharathi K of final year got placed in Renault Nissan Technology Business Centre India and TCS.
- Dharani M, Rizwana S, Subhashree M of final year got placed in TCS.
- Khaviya Shri M, Kiruthika K, Nivetha B and Vijayapriya P of final year got placed in Renault Nissan Technology Business Centre India.
- Balaji K and Kavishnavi of final year got placed in Cratoflow.
- Janani A of final year got placed in Suresoft.
- Kathirvel S, Manjusri V P, Selvendaran S, Tamil Priya T S, Tamilselvi, Vinitha S of final year got placed in Mphasis.
- Moureesh S of final year got placed in Infiniti Software Solutions.
- Sindhu T E, Niwas S, Hari V of final year got internship offer in Incresco Technology Solutions Pvt Ltd, Bangalore on 06.05.2023.

Placement-Training:

- Placement Orientation Program was conducted on 09.03.2023 and third year students got benefitted.
- 15 days placement technical training was conducted from 19.06.2023 to 06.07.2023 and final year student got benefitted.

STUDENT ACTIVITIES

NPTEL certification by students

- Sindhu T E, Sriharish M, Suriya B S of third year have awarded Elite+gold for the NPTEL online certification course 'Principles of Management'.
- Saranya C, Shasianand T, Srinidhi S, Srriram V, Srisabarish V, Udhayadevi P, Vaishali R of third year have awarded Elite+Silver for the NPTEL online certification course 'Principles of Management'.
- Soundarya of third year and Sowmiya S of final year have awarded Elite+Silver for the NPTEL online certification course 'Introduction to Industry 4.0 and Industrial Internet of Things'.
- 15 students for the course 'Principles of Management', 3 students for the course 'Internet of Things', 51 students for the certification course 'Introduction To Industry 4.0 And Industrial Internet Of Things', 1 student for the course 'Cloud Computing' have awarded Elite for the NPTEL online certification

- 9 students for the course 'Principles of Management', 9 students for the course 'Internet of Things', 10 students for the certification course 'Introduction To Industry 4.0 And Industrial Internet Of Things', 1 student for the course 'Management Information System' have successfully completed the NPTEL online certifications
- 7 students of Second year have awarded Elite+ Silver grade, 30 students of Second year and 4 students of third year have awarded Elite grade and 9 students of Second year and 15 students of third year have successfully completed the NPTEL online certification course 'Principles of Management'.
- 5 students of third year have awarded Elite+ Silver grade, 16 students of Second year and 19 students of third year have awarded Elite grade and 10 students of Second year and 6 students of third year have successfully completed the NPTEL online certification course 'Introduction to Industry 4.0 And Industrial Internet of Things'.

Internship:

- Sanggameswaran S, Elango K, Sowmiya S, Sumithra S, Harini G, Hansanandhini C, Abirami G of final year attended Internship Training conducted by CTS, from 03.01.2023 to 30.04.2023
- Pranesh S, Pragadeswar A, Vignesh G, Pradeepa P, Ranjithaa S, Shrithar R of final year attended Internship Training conducted by SRS Industries, from 20.01.2023 to 20.04.2023
- Sathyajothi C of final year attended Internship Training conducted Logbase Technologies LLP, Coimbatore from 09.10.2022 to 01.06.2023
- Rithika S, Manimekala K, Priyadharshini M, Sruthika R, Vidhya U of final year attended Internship Training conducted KarmaDev.in Bangalore from 25.01.2023 to 25.04.2023
- Moureesh P of final year attended Internship Training conducted Infinity Software Solutions from 06.03.2023 to 05.04.2023
- 16 students of final year attended Internship Training conducted Neophron Technologies from 06.03.2023 to 05.04.2023
- Akurati Srivani, Janani G K of final year attended Internship Training conducted Self Study from 13.03.2023 to 15.04.2023
- Logeshkumar B of final year attended Internship Training conducted Hexaware Technologies from 13.03.2023 to 15.04.2023
- Balaji K of final year attended Internship Training conducted Crataflow India Pvt Ltd from 18.01.2023 to 18.06.2023
- Nikita P, Vinitha S of final year attended Internship Training conducted Skillpark Software Solutions from 01.02.2023 to 28.04.2023
  Mullaiventhan N, Srivarshini T S final year attended Internship Training conducted Globus, Coimbatore from 25.01.2023 to 28.04.2023

Workshops attended:

- Devadharshini T, Induja N of third year attended an Online workshop on 'Pathway from Engineering to Product Development and Entrepreneurship' conducted by PALS on 03.11.2022
- Sanjay G M, Thamarai Selvan S P of final year attended an Online workshop on 'UI / UX Workshop' conducted by Nandha Engineering College from 23.11.2022 to 25.11.2022
- Manju S of third year attended an Online workshop on 'Live Industrial Program on Trending Technologies and Development' conducted by Coincent on 27.02.2023
- Anbulalitha G K, Sandhya M, Sindhu T E, Soundhariya C, Sri Nivetha S, Srisudhan L, Subashri M, Supreeta S, Suriya B S, Tharani V of hird year attended an Online workshop on 'Startup Journey and Product Development' conducted by Coimbatore Institute of Technology on 11.03.2023
- Amirtha S, Anbulalitha G K, Dhanish S, Dinesh V C, Harish C, Keerthana M of third year attended a workshop on 'Ethical Hacking' conducted by VSB Engineering College on 03.03.2023

- Devadharshini V, Kamathchi E, Kanishka S, Logeshwari S of third year attended a workshop on 'MIT Mobile App Inventor for Rapid Prototyping' conducted by Karpagam College of Engineering on 03.03.2023
- Induja N of third year attended a workshop on 'Cloud Practitioner' conducted by UDEMY on 07.04.2023
- Mugesh S, Swathi M, Tharani J K of hird year attended a workshop on 'Python Bootcamp' conducted by IDM Tech Park on 16.04.2023
- Rimitha M, Pavithra K, Sabarna L of second year attended a workshop on 'Applied Artificial Intelligence' conducted by Kongu Engineering College on 25.04.2023

WEBINAR:

- 12 students of second year attended an online webinar on 'Info Drive- unknown Knowledge' conducted by Velalar College of Engineering and Technology on 12.11.2022.
- Sabarna L of second year attended an online webinar on 'Research Challenges in Micro Manufacturing and Measurement' conducted by Kongunadu College of Engineering and Technology on 19.11.2022.

SEMINAR:

- Navaneethan G of third year attended a seminar on Brain Storming session conducted by Kongu Engineering College on 19.04.2023.

Paper Presented:

- Thennavan E of second year presented paper on 'Authentication Hackathon' conducted by Velalar College of Engineering And Technology on 26.12.2022
- Satya K, Monisha B, Roshini B of second year presented paper on '5G Technolologies' conducted by Vivekandha College for Women on 03.02.2023
- Saranyadevi S and Vasunthra S of second year presented paper on 'Chat GPT' conducted by Kongu Engineering College on 03.03.2023
- Abishek J L of second year presented paper on 'Cloud Computing' conducted by Kongu Engineering College on 03.03.2023
- Mahadevan N of second year presented paper on 'Basics of Ethical Hacking' conducted by Kongu Engineering College on 03.03.2023
- Amirtha S, Anbulalitha G K of third year presented paper on 'Virtual Reality and Augumented Reality' conducted by VSB Engineering College on 03.03.2023
- Dhanish S, Dinesh V C, Harish C of third year presented paper on 'Business Intelligence' conducted by VSB Engineering College on 03.03.2023
- Elango R, Logeshwaran T of third year presented paper on 'Object Recognition " conducted by Kongu Engineering College on 03.03.2023
- Jagadeesh G of third year presented paper on 'IoT Smart Agriculture" conducted by Kongu Engineering College on 03.03.2023
- Harish K, Kanishka D of third year presented paper on 'Phishing Attacks' conducted by Shree Venkateshwara Hi-Tech Engineering College on 04.03.2023
- Poorani T, Srinandhini R S of third year presented paper on Chat GPT conducted by VSB Engineering College on 04.03.2023
- Inika M, Sowndhariya S, Suwetha R of third year presented paper on 'End to End Solution for farmers' conducted by Shree Venkateshwara Hi-Tech Engineering College on 04.03.2023
- Poornisha K, Sowndhariya S of third year presented paper on 'Blue Eye Technology' conducted by Shree Venkateshwara Hi-Tech Engineering College on 04.03.2023
- Mugila S P of third year presented paper on 'Full Stack Development' conducted by Kongu Engineering College on 10.03.2023
- Anbulalitha G K, Madhumitha S of third year presented paper on 'Virtual Reality and Augumented Reality' conducted by Kongu Engineering College on 16.03.2023

- Hemalatha S , Kanishka M of second year presented paper on 'Artificial Intelligence' and got first prize conducted by Kongu Engineering College on 30.03.2023
- Nithya L, Nivetha M R of third year presented paper on 'Phishing Attacks' conducted by Kongu Engineering College on 31.03.2023
- Swathi M, Tharani J K of third year presented paper on 'Skinput Technologies' conducted by Kongu Engineering College on 31.03.2023
- Rimitha M, Pavithra K, Sabarna L of second year presented paper on 'Sixth Sense Technolology' conducted by Kongu Engineering College on 25.04.2023
- Anbulalitha G K, Dhivya Dharshini R, Madhumitha S of third year presented paper on 'Fishing Attack' conducted by Kongu Engineering College on 26.04.2023

Course Completion:

- Udhayadevi P of third year attended and completed an online course 'Java Script' conducted by GUVI on 03.11.2022
- Udhayadevi P of third year attended and completed an online course 'Fundamentals of Digital Marketing conducted by Google Digital Unlocked on 07.11.2022
- Kaarthiga K, Kaviyakeerthana R, Hemavarshini R E of second year attended and completed an online Course 'Frontend web development using java script and react JS' conducted by AWS from 8.02.2023 to 15.02.2023

TRAINING:

- 13 students of third year attended an Online Java training conducted by Velalar College of Engineering and Technology on 09.11.2022
- Sandhya M of third year attended and completed an online traning 'Java Training' conducted by Besant Technologies on10.01.2023
- Sindhu T E of third year attended and completed an online training'Java Basics' and 'Problem Solving' conducted by Hacker Rank on 16.01.2023
- Srisudhan L of third year attended and completed an online training 'Flutter-A beginners Course' conducted by Infosys Springboard on 21.02.2023
- Srisudhan L of third year attended and completed an online training 'Java Script' conducted by Solo Learn on 08.03.2023
- Srisudhan L of third year attended and completed an online training 'Developing Cloud Apps with Node JS and react' conducted by IBM on 10.03.2023
- Srisudhan L of third year attended and completed an online training 'React+Redux' conducted by Solo Learn on 12.03.2023
- Srisudhan L of third year attended and completed an online training 'Tech For everyone' conducted by Solo Learn on 13.03.2023
- Srisudhan L of third year attended and completed an online training 'AWS Cloud Quest:Cloud Paractitioner' conducted by AWS on 25.03.2023
- 4 students of third year attended and completed an online training 'Fullstack web development' conducted by Pantech E Learning on 09.04.2023 to 16.04.2023
- Nithya L, Swathi M, Tharani J K of third year attended and completed an online training 'Startup20x- SU.X. SS conclave' conducted by ATAL Incubation centre on 28.04.2023
- 106 students of second year attended and completed an online training 'C- Programming' conducted by Spoken Tutorial IIT Bombay on 02.05.2023
- 115 students of third year attended and completed an online training 'HTML Test' conducted by Spoken Tutorial IIT Bombay on 02.05.2023

TECHNICAL:

- Jaishree K S, Aiswarya S, Harshitha S S, Lakshana R of second year participated the Technical event- code debugging conducted by Karpagam College of technology on 17.02.2023
- Dinesh V C of third year participated the Technical event- Tech Talk on Chat GPT conducted by VSB Engineering College on 03.03.2023

Non-Technical:

- Sree Abinaya P, Vaithees T of second year participated speech contest conducted by Erode Lions Club on 28.01.2023
- Satya K, Monisha B, Roshini B of second year participated Multimedia event and got First prize conducted by Vivekanandha College of Engineering for Women on 03.02.2023
- Monisha B of second year participated Brain Tester event conducted by Vivekanandha College of Engineering for Women on 03.02.2023
- Hemalatha S, Abishek J L, Amirtha G, Mahadevan N of second year participated ADZAP event conducted by Kongu Engineering College on 03.03.2023
- Amirtha S, Dinesh V C, Dhanish S of third year participated the Non- Technical Events and got first prize conducted by VSB Engineering College on 03.03.2023
- Rimitha M of second year participated Women can 2.0 conducted by AIC Raise on 08.03.2023
- Poorani T of third year participated Carrom and got Second prize conducted by VCET on 19.04.2023
- Saran S S of third year participated Cricket and awarded as winner conducted by VCET on 19.04.2023
- Saran S S of third year participated Disk Throw and got Second prize conducted by VCET on 19.04.2023
- Sriharish M of third year participated Chess and got Second prize conducted by VCET on 19.04.2023
- Nishanthini T V, Vaishali T J of third year participated Basket ball and awarded runner conducted by VCET on 19.04.2023
- Namitha M of second year participated Carrom and got Second prize conducted by VCET on 19.04.2023
- Monika P, Rimitha M, Pavithra K of second year participated Kho-Kho and got Second prize conducted by VCET on 19.04.2023
- Rimitha M of second year participated 1500 meters running and got Second prize conducted by VCET on 19.04.2023
- Pavithra K of second year participated 800 meters running and got Second prize conducted by VCET on 19.04.2023

CONFERENCE

- 4 students of Final year presented a paper in 2nd National Conference on Recent Advances in Communicative Electronics by SRM TRP Engineering College on 09.04.2023 and 10.03.2023
- 4 students of Final year presented a paper in 4th National Conference on Communication and System Design by PSG Institute of Technology and applied research on 13.04.2023.
- 118 students of Final year presented a paper in 4th International Conference on Innovation in Electrical and information and Communication Engineering, conducted by Kongunadu College of Engineering and Technology on 21.04.2023 and 22.04. 2023.

FACULTY ACTIVITIES

CONFERENCE

- Ms. T. Nithya presented a paper 'Medical Image classification using Deep learning Techniques', International
  Conference on Electronics and Renewable Systems (ICEARS-2023), conducted by St. Mother Theresa Engineering College from 02.03.2023 to 04.03.2023.

- Dr. R. Menaka presented a paper 'Sentimental Analysis of YouTube Video Comments Using Lexicon Approach', Recent Advances in Communicative Electronics (NCRACE 2023), conducted by SRM TRP Engineering College on 09.03.2023 & 10.03.2023
- Dr. V. K. Manavalasundaram, Dr. R. Mynavathi, Dr. K. Ganeshkumar, Dr. S.Viveka, Dr. S. Rajalakshmi, Dr. R. Menaka, Ms. T. Nithya, Mr. C.Saravanan, Ms. V. Leela, Mr. A. Logeswaran, Ms. P. Prema, Ms. T. Kokilavani, Ms. T. Saranya, Mr. K. Gopalakrishnan, Mr. B. Manivannan, Ms. E. Sudha , Ms. M. Ramya, Mr. P. Prakash, Ms. M. Gowthami presented papers in 4th International Conference on Innovation in Electrical and Information and Communication Engineering (ICIEICE - 2023), conducted by Kongunadu College Engineering and Technology from 21.04.2023 to 22.04.2023

WORKSHOP

- Dr V. K. Manavalasundaram attended a workshop on '50th Edition of Bridge 2023 - Chennai (A High Impact Industry - Institute Interaction Event of India)' conducted by ICT Academy on 14 .03 .2023
- Mr. K. GopalaKrishnan attended a workshop on 'Application of Machine Learning and Artificial Intelligence in research and Innovations' conducted by Regional College for Education Research & technology , Jaipur from 02.05.2023 to 06.05.2023

FACULTY DEVELOPMENT PROGRAMME:

- Mr. P. Prakash, Mr. B. Manivannan attended a faculty development programme on 'Artificial Intelligence and Machine learning' conducted by IIT, Madras on 28.11.2022.
- Dr. R. Menaka attended an online faculty development programme on 'Research Scope in Electric Vehicles (In Collaboration with AYSNS)' conducted by NITTR, Chandigarh on 09.12.2022 and 13.12.2022.
- Dr. V. K. Manavalasundaram, Dr. S. Viveka, Dr. R. Menaka, Ms. T. Premamala, Ms. T. Nithya, Ms. V. Leela, Mr. A. Logeshwaran, Ms. V. Gomathi, Ms. P. Prema, Ms. D. Suganya, Ms. K. Nivedha, Ms. R. Supriya. Ms. N. V. Keerthana, Ms. T. Kokilavani, Ms. M. Selvapriya, Mr. P. Prakash, Mr. B. Manivannan, Ms. Logipreethi attended an online faculty development programme on 'Team Building Motivation and Creativity' conducted by NITTR, Chandigarh on 12.12.2022 and 16.12.2022.
- Ms. E. Sudha, Ms. M. Ramya attended an online faculty development programme on 'Effective Curriculum Implementation' conducted by NITTR, Chandigarh on 12.12.2022 and 12.12.2022.
- Mr. A. Logeswaran, Mr. P. Prakash, Mr. B. Manivannan attended an online faculty development programme on 'Data Science using Machine Learning' co nducted by Pravara Rural Engineering College from 02.01.2023 to 06.01.2023
- Mr. K. Gopalakrishnan, Ms. M. Ramya, Mr. B. Manivannan attended an online faculty development programme on 'Curriculam Design for Developing Job related Competencies' conducted by NITTR, Chandigarh from 09.01.2023 to 13.01.2023
- Dr. R. Mynavathi, Dr. K. Ganeshkumar, Ms. T. Nithya, Ms. M. Ramya attended an online faculty development programme on 'Outcome Based Curriculam Design' conducted by NITTR, Chandigarh from 13.02.2023 to 17.02.2023.

- Mr. K. Gopalakrishnan, Ms. M. Ramya, Mr. B. Manivannan attended an online faculty development programme on 'Curriculam Design for Developing Job related Competencies' conducted by NITTR, Chandigarh from 09.01.2023 to 13.01.2023
- Dr. R. Mynavathi, Dr. K. Ganeshkumar, Ms. T. Nithya, Ms. M. Ramya attended an online faculty development programme on 'Outcome Based Curriculam Design' conducted by NITTR, Chandigarh from13.02.2023 to 17.02.2023.
- Mr. K. GopalaKrishnan attended an online faculty development programme on 'Recent Advances in Data Science, Data Analytics and Cyber Security' conducted by Shri Vishnu Engineering College for Women from 01.03.2023 to 05.03.2023
- Mr. K. GopalaKrishnan attended an online faculty development programme on 'FINTECH' conducted by Imarticus Learning on 17.03.2023 & 18.03.2023
- Ms. E. Sudha, Ms. M. Ramya attended an online faculty development programme on 'Data Innovation and Entrepreneurship visit cum training' conducted by Kongu Engineering College from 26.04.2023 to 27.04.2023

NPTEL ONLINE CERTIFICATION:

- Mr. C. Saravanan has successfully completed the NPTEL online certification course 'Introduction to Machine Learning'
- Mr. K. GopalaKrishnan has successfully completed the NPTEL online certification course 'Design Thinking- A Primer' and awarded Elite.
- Ms. Nevedha T has successfully completed the NPTEL online certification course 'Introduction to Mechine Learning'
- Ms. Nithya T has awarded Elite for the NPTEL online certification course 'Outcome Based Pedagogic Principles for Effective Teaching'.

TRAINING:

- Ms. M. Gowthami attended a faculty development programme on 'Java Full Stack' conducted by Wipro Talent Next from 07.12.2022 to 23.12.2022.
- Ms. R. Menaka attended an Industrial Training programme on 'Fullstack Web Development' conducted by Pantech eLearning on 09.04.2023 & 16.04.2023

Patent Published:

- Dr R. Menaka, Ms. M. Gowthami, Ms. E. Sudha, Ms. M. Ramya, Ms. K. Nevedha, Ms. T. Saranya published a patent titled, 'Raspberry Pi based Intelligent Reader Device for Visually Impaired People Pytesseract and Open CV Libraries' Application No.202241061844 A, Date of filing of Application :31.10.2022, Publication Date : 11.11.2022

Guest Lecture:

- Dr. V. K. Manavalasundaram acted as a resource person for the session, conducted by VET Institute of Arts and Science on 24.12.2022 and handled a topic 'Finding and Analysis'
- Dr. S. Rajalakshmi acted as a resource person for the session, conducted by HKBK College, Bangalore on 26.12.2022 and handled a topic 'Artificial Intelligence for Datascience'.

VIRTUE-STUDENT MAGAZINE

Edge Computing Use Cases

Edge computing is central to IoT applications, where a large number of interconnected devices generate vast amounts of data. By processing data at the edge of the network, IoT devices can respond quickly and efficiently. Use cases includeSmart home devices: Edge computing allows devices like smart thermostats, security cameras, and voice assistants to process data locally and respond faster to user commands. I ndustrial IoT : Edge computing in manufacturing facilities enables real-time monitoring, predictive maintenance, and optimization of production processes. Agriculture:Edge devices can monitor soil conditions, weather patterns, and crop health, providing farmers with valuable insights tooptimize yields.

Self-driving cars require instantaneous decision-making based on sensor data. Edge computing allows the vehicle to process this data locally, enhancing safety and reducing response times. Edge computing can revolutionize healthcare by enabling remote patient monitoring, real-time analysis of medical data, and even performing complex diagnostics on-site. This can lead to faster and more accurate treatments.Edge computing supports various smart city initiatives, making urban infrastructure more efficient and sustainable:
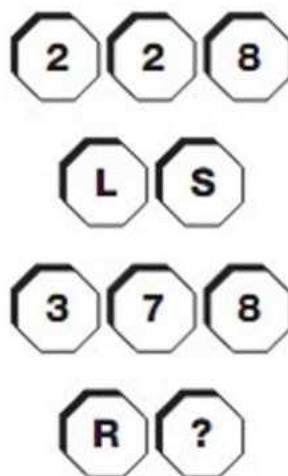
Intelligent traffic management: Edge devices can process data from traffic cameras and sensors to optimize traffic flow and reduce congestion.Environmental monitoring: Edge computing enables real-time monitoring of air quality, noise levels, and other environmental factors for better city planning.

- Kaviya B IIIrd yr IT-A

NUMBER PUZZLE:

CAN YOU FIND THE MISSING ONE ?

| 2 | 2 | 8 |

| L | S |

| 3 | 7 | 8 |

| R | ? |

Answer is U

- Roshini B IInd yr IT-B

AUGUMENTED AND VIRTUAL REALITY

The future of Virtual Reality (VR) and Augmented Reality (AR) is highly promising, with both technologies expected to continue advancing and making significant impacts various industries. As technology advances, VR and AR devices are likely to become more lightweight, powerful, and affordable. Higher - resolution displays, wider field - of - view, and improved tracking systems will enhance the overall user experience, making these technologies more accessible to a broader audience. As technology advances, VR and AR devices are likely to become more lightweight,powerful,and affordable.Higher-resolution displays,wider field -of-view, and improved tracking systems will enhance the overall user ex- perience, making these technologies more accessible to a broader audience.
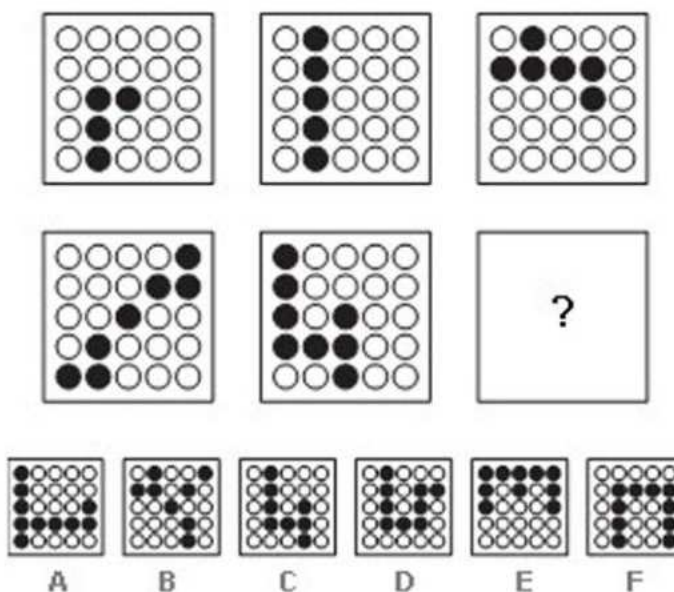
VR and AR are likely to evolve into more social and collaborative platforms. Users may interact with each other in shared virtual spaces, attend virtual events, or collaborate on projects in augmented environments.VR and AR will find increasing applications in various industries such as healthcare, education, manufacturing, and retail. From virtual medical training to augmented maintenance guides for technicians, businesses will leverage these technologies to improve efficiency and productivity.

The gaming and entertainment industries will continue to push the boundaries of VR and AR experiences. More immersive and interactive games, movies, and live events will be developed, enhancing user engagement and entertainment value. As AR technology becomes more integrated into smartphones and wearable devices, we can expect it to become a part of our daily lives. AR apps for navigation, information overlay, and interac- tive advertising could become commonplace. Artificial Intelligence will play a crucial role in enhancing VR and AR experiences. AI-powered avatars, natural language processing, and personalized content recommenda- tions will make interactions more intuitive and engaging.VR and AR will be used extensively for data visualiz- tion and analytics. Complex datasets will be presented in 3D environments, allowing users to explore and understand information more effectively.

- Nishanthini V IIIrd yr IT-B

LOGIC PUZZLE:

A B C D E F

Answer is D

- Deepa.S.V IInd yr IT-A