SHREE VENKATESHWARA HI-TECH ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ECEBYTE – 24
Technical Magazine

I am delighted to introduce the ECE BYTE, our technical magazine. This publication serves as a platform to showcase the hidden writing talents of students, helping them refine their skills and contribute to their overall personality development. I extend my heartfelt congratulations to all the contributors for their dedication and effort in bringing this magazine to life.

Thiru.K.C.Karupanan MLA

Secretary/SVHEC

SVHEC has made impressive strides, accomplishing notable milestones in a short period. It brings me great joy to see the students and faculty of the ECE department introducing ECE BYTE, the department's technical magazine. This publication serves as a platform to highlight the literary and technical talents of both students and faculty while nurturing leadership skills and intellectual growth.

Rtn.P.Venkatachalam,MPHF

Chairman/SVHEC

I extend my heartfelt congratulations to the Department of ECE and the ECE BYTE team for successfully publishing the first issue of this prestigious technical magazine. I am confident that this magazine will serve as a valuable platform for students and faculty to enhance their technical knowledge and showcase their literary talents. A special appreciation goes to the editorial board for their dedication and hard work in bringing this publication to life.

Dr.P.Thangavel ME MBA PhD

Principal/SVHEC

Dr.V.Saminathan

Head of the Department

Electronics and Communication Engineering

   I appreciate to the faculty members and students for the magazine committee of ECEBYTE24 to successful completion of this magazine

   As the Head of the Electronics and Communication Engineering department, it's my pleasure to see our students showcase their talents and achievements in this magazine. This publication highlights the innovative projects, research work, and extracurricular activities of our students, demonstrating their dedication and passion for the field.

   Our department is committed to providing a nurturing environment that fosters academic excellence, creativity, and innovation. We strive to equip our students with the knowledge, skills, and values necessary to succeed in their careers.

   I commend the editorial team for their hard work and initiative in bringing out this ECEBYTE magazine. It's a testament to the department's spirit and enthusiasm. I hope this publication inspires and motivates our students to pursue their goals with dedication and perseverance.

   I wish the magazine all the best and look forward to seeing future editions. I believe it will become a valuable platform for our students to express themselves, share their ideas, and showcase their talents.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ABOUT ELECTRONICS AND COMMUNICATION DEPARTMENT

The Electronics and Communication Engineering Department was established in the year 2008. The department offers Undergraduate (BE-ECE), & Post Graduate (ME-Applied Electronics) programmes, that provide students with the knowledge and Tools they need To succeed in the ECE. After the completion of the course, lots of opportunities are there in various fields of Telecommunication Networks and Embedded System, Signal & Image Processing, VLSI Design etc. To expose the students To the world of technology and produce graduates fully equipped To achieve the highest personal and professional standards for Industry application and in higher studies. The Department has built an excellent reputation for its graduates in terms of placements

VISION

► Produce competent Electronics and Communication Engineering professionals with scientific temper, values, ethics, team spirit and capabilities To face new challenges

MISSION

► Provide conducing learning environment with state-of-the-art infrastructure facilities, laboratories and teaching learning systems.

► Produce skilled Electronics and/or Communication Engineers with skills Towards employability, leadership, communication skills with social responsibilities and ethical values

► Inculcate Professional skills to function as proficient engineers and designers capable of building sustainable equipment/systems and infrastructure for the society.

► Promote research and development activities in the rapidly changing technologies related To Electronics and Communication Engineering and allied domains.

1. **Successful career** - To enable graduates have a successful career in academia or industries associated with Electronics and Communication Engineering, or as entrepreneurs

2. **Foundational concepts** - To provide students with strong foundational concepts and also advanced techniques and Tools in order To enable them To build solutions or systems of varying complexity.

3. **Analyze Methodology** - To prepare students To critically analyze existing literature inan area of specialization and ethically develop innovative and research oriented methodologies To solve the problems identified.

Program Outcomes (POs)

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization To the solution of complex engineering problems.

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.

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.

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.

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 understanding of the limitations.

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 engineering practice.

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.

8. **Ethics:** Apply ethical principles and commit To professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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.

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.

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.

Program Specific Program Outcomes (PSOs)

PSO1: Core skills- Apply knowledge and skills to analyze, Design and develop analog and digital circuits for a electronics applications.

PSO2: Problem solving skills - Ability to Design and implement the approaches to solve challenges in the field of communication, signal processing, VLSI and Internet of Things (IoT).

PSO3: Professional career - Adapt to emerging Information and communication technologies (ICT) and develop innovative solutions for existing and newer problems

Editor-in-Chief

Dr.V.Saminathan
HOD/ECE

Staffs:

Mrs.M.Sunandini, AP/ECE

Students:

S. **Vishalini- IV ECE**

M. **Vithya- IV ECE**

M. **Jayasri- III ECE**

R. **Srilekha– III ECE**

M. **Nihish – II ECE**

S. **Narain – II ECE**

AI for scientific discovery:

Artificial intelligence (AI) has evolved from computational theory to everyday conversational technologies, capturing the attention and interest of the public and the media. It has also caught the attention of the scientific community, where it has provided a new tool to support inquiry and exploration. While AI in the context of scientific investigation has existed for decades, advances in computational technology and sensing in the physical world have created opportunities to integrate AI into science in unexpected ways, with capabilities that are rapidly accelerating. As a result, AI has been leveraged by an expanding collection of disciplines in the physical and biological sciences, as well as engineering domains. While the opportunities for AI in scientific discovery seem endless, there are numerous questions about what makes for trustworthy and reliable discovery, whether such investigation should be performed without human oversight or intervention, and how best to prioritize the research agenda and allocation of resources without magnifying disparities for individuals and nations alike.
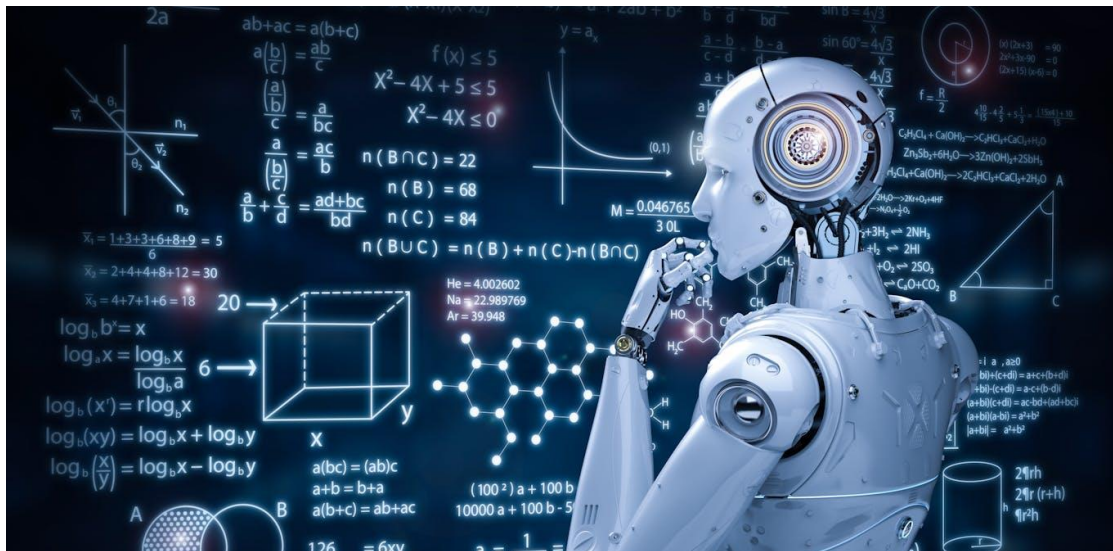

Nithish
II ECE

Carbon-capturing microbes:

Carbon-capturing microbes, like cyanobacteria and microalgae, play a role in mitigating climate change by absorbing carbon dioxide from the atmosphere and converting it into biomass or other valuable products. These microbes utilize photosynthesis or other metabolic processes to capture and utilize carbon dioxide. They can be used in various applications, including biofuel production, wastewater treatment, and even construction materials.

Microbial carbon capture is a potentially powerful means to manage atmospheric carbon dioxide levels, and curb global warming. It can help reduce greenhouse gases while spurring the production of valuable commodities like biofuels, fertilizers, and animal feed. To help make it a sustainable, economically viable reality, researchers are continuously developing microorganisms - including bacteria and microalgae - that use sunlight or sustainable chemical energy to absorb and transform gases. The large-scale deployment of microbial carbon capture systems may eventually contribute in a significant way to achieving net-zero emissions.
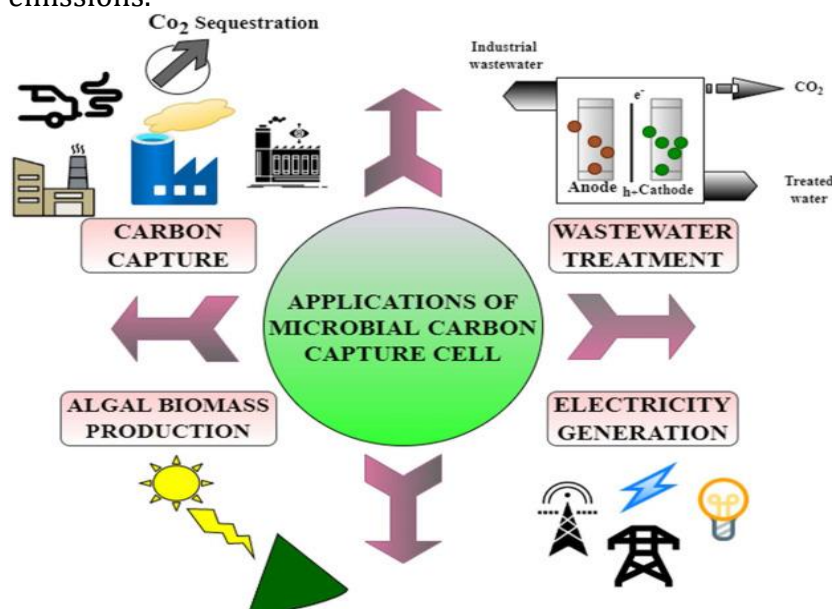

Srilekha
III ECE

Elastocalorics

Elastocaloric materials are a class of advanced materials. These materials show a big change in temperature when mechanical stress is applied and then removed.

This phenomenon, known as the elastocaloric effect, is the reversible thermal response of the material to mechanical loading and unloading. The effect is often caused by changes in entropy within the material's structure. This can be due to phase transformations or reorientation of crystalline domains. Unlike conventional materials, elastocaloric materials can experience substantial temperature changes under mechanical stress. This makes them promising for solid-state refrigeration and heating applications

The relevance of elastocaloric materials lies in their potential to revolutionize the cooling and heating systems that are integral to modern life. Traditional cooling technologies, such as vapor-compression refrigeration, rely on harmful refrigerants that contribute to global warming and have significant energy consumption. These materials can potentially replace conventional systems, leading to reduced greenhouse gas emissions and lower energy usage
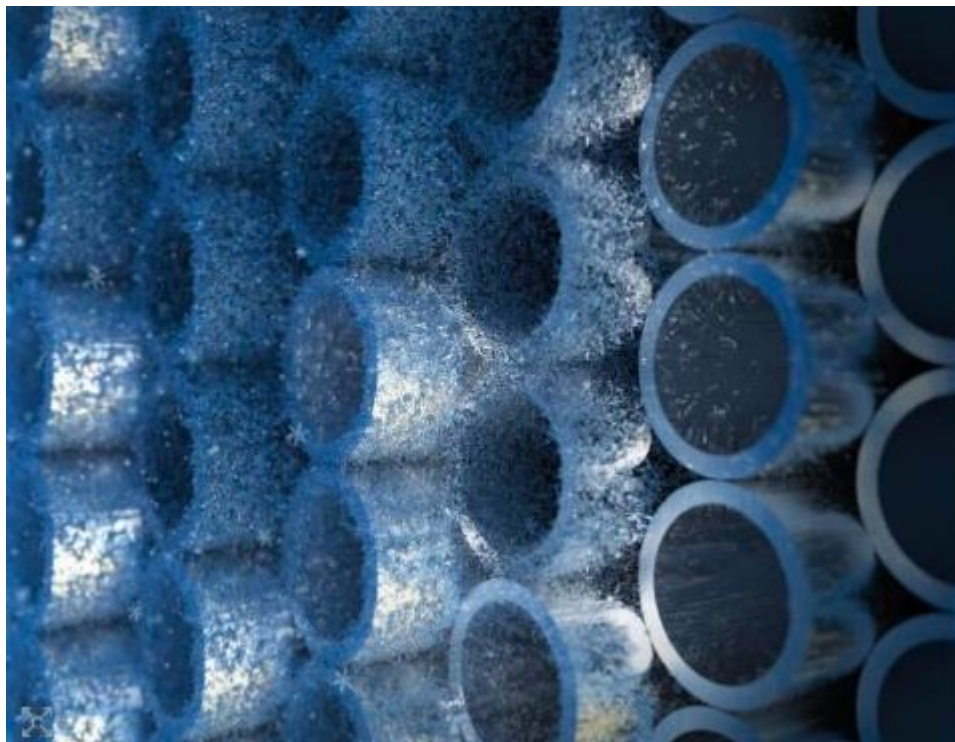

Narain
II ECE

AI TRiSM

AI Trust, Risk, and Security Management (AI TRiSM) is a transformative trend focused on ensuring AI systems' reliable and responsible use. It addresses the growing need for transparency, risk mitigation, and security in AI applications by embedding trust, rigorous risk assessment, and privacy safeguards throughout the AI lifecycle.

AI TRiSM enables organizations to manage AI-related risks effectively while fostering trust among stakeholders and complying with regulatory standards by implementing frameworks that promote explainability, bias detection, and robust governance.

As AI systems become more integrated into critical decision-making processes, AI TRiSM ensures they remain ethical, secure, and transparent. This approach enhances stakeholder confidence, reduces risk exposure, and supports sustainable AI adoption that aligns with societal expectations and legal requirements. In doing so, AI TRiSM sets a new standard for deploying AI that prioritizes trust, accountability, and safety.

Jayasri
III ECE
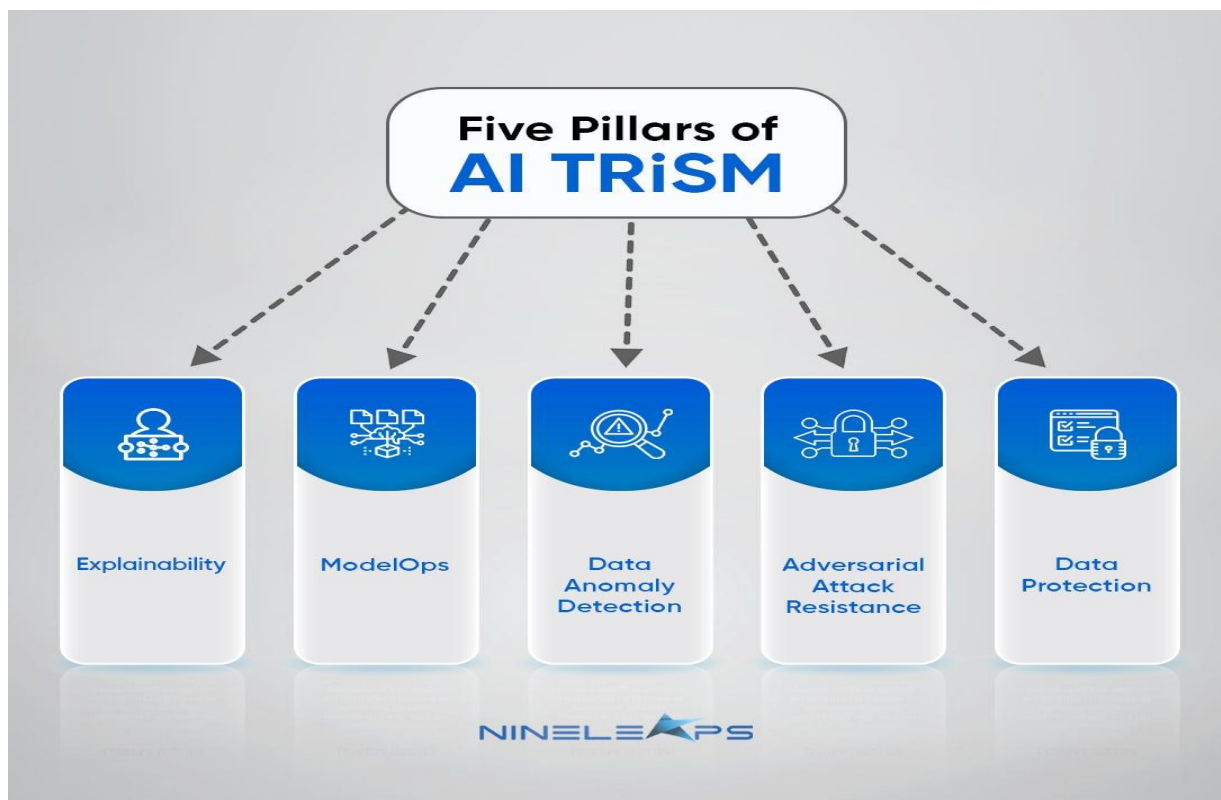
Extended Reality

Extended reality (XR) is an umbrella term to refer to augmented reality (AR), mixed reality (MR), and virtual reality (VR). The technology is intended to combine or mirror the physical world with a "digital twin world" able to interact with it,[1][2] giving users an immersive experience by being in a virtual or augmented environment.

The fields of virtual reality and augmented reality are rapidly growing and being applied in a wide range of areas such as entertainment, cinema, marketing, real estate, training, education, maintenance[3] and remote work.[4] Extended reality has the ability to be used for joint effort in the workplace, training, educational purposes, therapeutic treatments, and data exploration and analysis.

Extended reality works by using visual data acquisition that is either accessed locally or shared and transfers over a network and to the human senses. By enabling real-time responses in a virtual stimulus these devices create customized experiences. Advancing in 5G and edge computing – a type of computing that is done "at or near the source of data" – could aid in data rates, increase user capacity, and reduce latency. These applications will likely expand extended reality into the future.
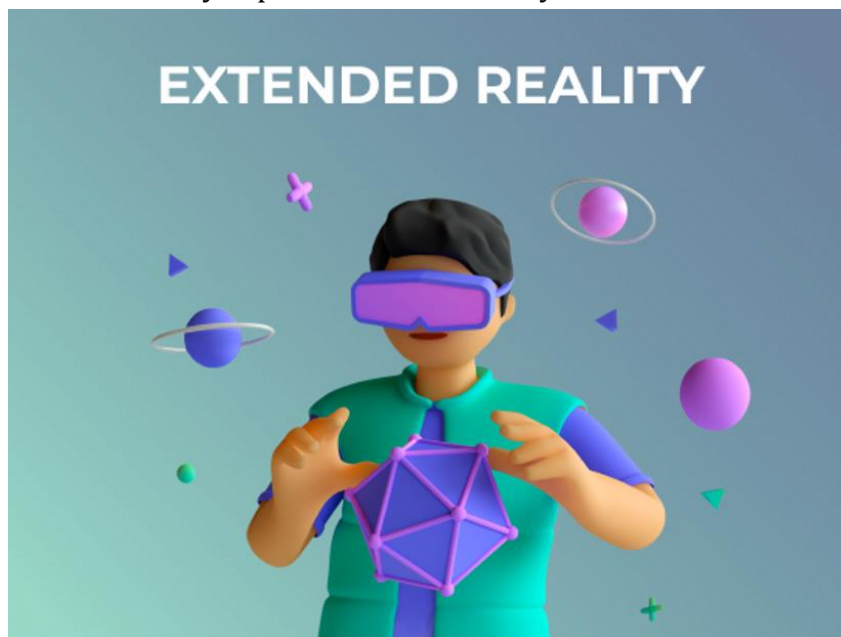
Navaventhan
III ECE

7. **Title:** Enhancing Road Safety for School Children Through Smart School Buses

Abstract Now a days safer transportation of school children has been a critical issue as it is often observed their kids find themselves locked in the school bus at the bus stop after going to school. Parents feel much worried about the safety of their children. The SMS based solution to help the parents to know their children arrival and time of departure during their school days. This system will control the entry and exit of students to and from the bus using RFID and GSM technologies. If the bus journey is successful from source to destination, it will send an SMS to the management or parents to inform its departure and arrival. Accident detection sensors are implanted on the front surface of school bus to detect collision with another vehicle on the road
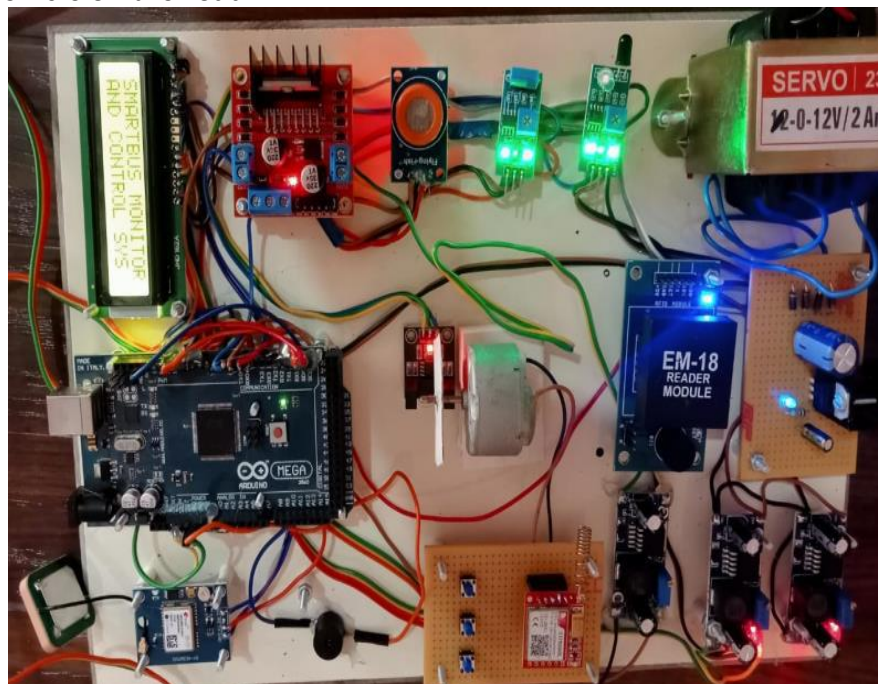
S.Vishalini,
E.Kaviya,
M.Pradeepa

8. **Title:** IOT Based Smart Water Management System with Machine Learning

Abstract— This paper presents an Internet of Things (IoT)-based smart water meter with machine learning (ML)-aided water quality assessment capability. A flow rate sensor is utilized to measure water consumption while pH and turbidity sensors are employed for water quality assessment. The collected data is transmitted to a remote server via a cellular network, where it is utilized for monitoring purposes by both the utility company and customers. The system evaluates the collected data against relevant thresholds and issues appropriate notifications to the service provider and the customers. The thresholds for water quality are based on the national standards for potable water, while those for consumption are determined by the average monthly water consumption. This paper considers National Water and Sewerage Corporation (NWSC), the largest water utility company in Uganda, as a case study. A total of 1,760 samples collected by NWSC in the Kampala service area in 2022 were assessed using the feature selection algorithm of ML. The most dominant parameters were determined as residual chlorine, pH, turbidity, conductivity, and apparent color. In this paper, only pH and turbidity are considered.
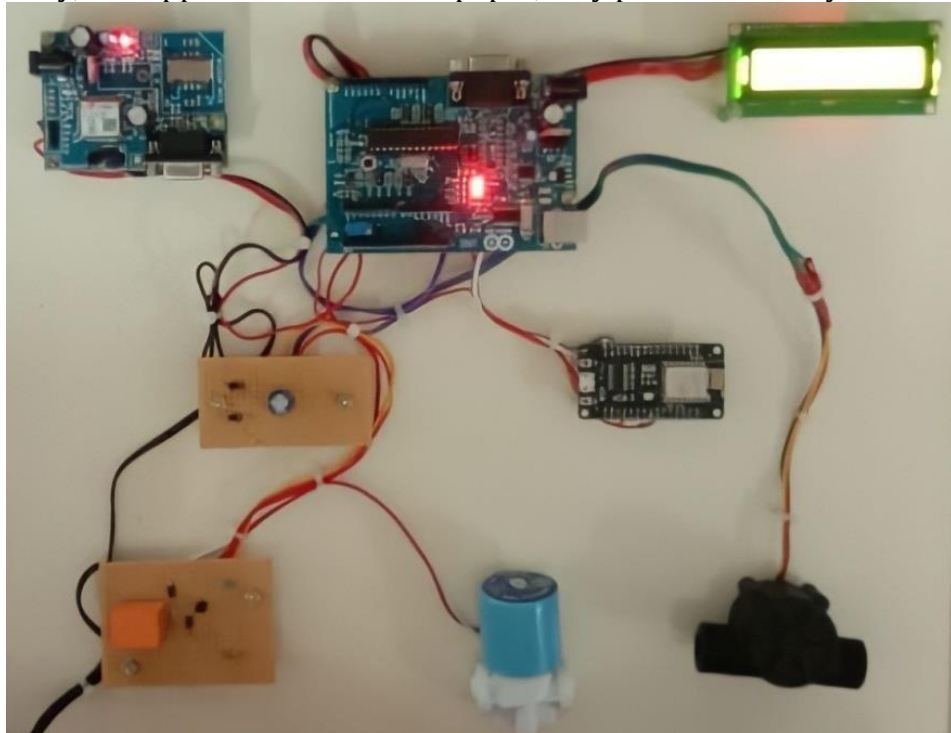
P.Bhuvaneshwari,
S.Gowthami,
S.Elango

9. **Title:** A Systematic Review of Wearable Devices for Orientation and Mobility of Adults with Visual Impairment and Blindness

Abstract: To walk safely, blind persons require assistance or assistance from others. A smart blind stick might be a useful tool for them to grasp their surroundings and assist them when walking. In this study, we suggest a Smart Stick—a stick with all the sensors and components installed on top of it. This smart stick essentially functions in two ways. Case 1 uses an ultrasonic sensor on the stick to identify obstacles in front of it, whereas Case 2 uses a servo motor to rotate the ultrasonic sensor at an angle to identify obstacles in congested areas. Obstacle detection in both situations triggers a buzzer sound to notify the blind individual. To go from case 1 to case 2, and vice versa, press the switch button. Every barrier in its field of view can be detected by this stick. Additionally, appropriate settings for use are determined. The blind person can walk with confidence and get over his phobia of walking by utilizing this smart stick.

M.Haripriya ,
R.Priyanka
C.Mohanambigai

10. **Title:** Smart Industrial Level Gas Leakage Detection System Using AI & IOT

Abstract— The Intelligent Gas Leakage Detection System is an innovative system that combines artificial intelligence (AI) and the Internet of Things (IOT) technology to revolutionize industrial safety. This system utilizes gas, temperature, pressure, and humidity sensors, along with a PIC microcontroller, ESP32-CAM, relay, pipe valve, alarm, LCD, and IOT connectivity, to detect and monitor gas leaks in industrial environments. The AI algorithms within the system analyze sensor data in realtime and can accurately identify and locate potential gas leaks, providing advanced warning to prevent accidents. The system is also equipped with a powerful IOT platform that enables remote monitoring and control of the system, along with seamless integration with existing industrial infrastructure.
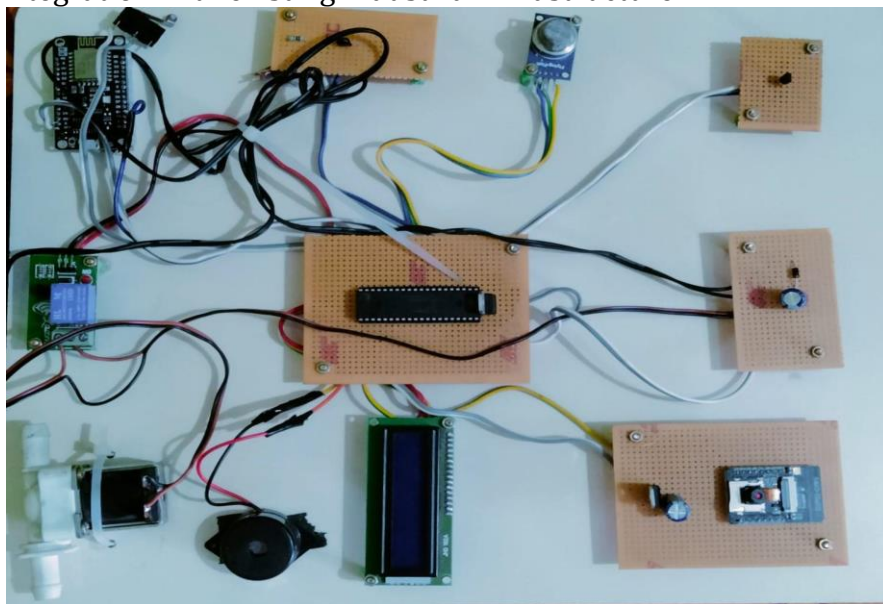
M.Vithya,
B.Mohana,
S.Varshini

11. **Title:** Arduino Based Voice Controlled Wheel Chair for Physically Challenged Persons

Abstract— This paper presents the design of a Voice Controlled Wheelchair tailored for individuals with physical illnesses or disabilities. The system integrates Arduino, a microcontroller, and a Geetech voice recognition module to facilitate wheelchair movement. Additionally, a battery level indicator is incorporated to monitor battery status. The primary objective of this system is to assist individuals who face challenges in mobility due to physical limitations such as impaired hands, feet, or lower body functions. By utilizing speech recognition technology, the wheelchair offers a novel interfacefor human-machine interaction.The implementation involves the Arduino interpreting commands and driving the two motors of the wheelchair based on the specified direction. This design aims to empower individuals who rely on assistance for performing daily tasks, providing them with greater independence and autonomy in mobility.
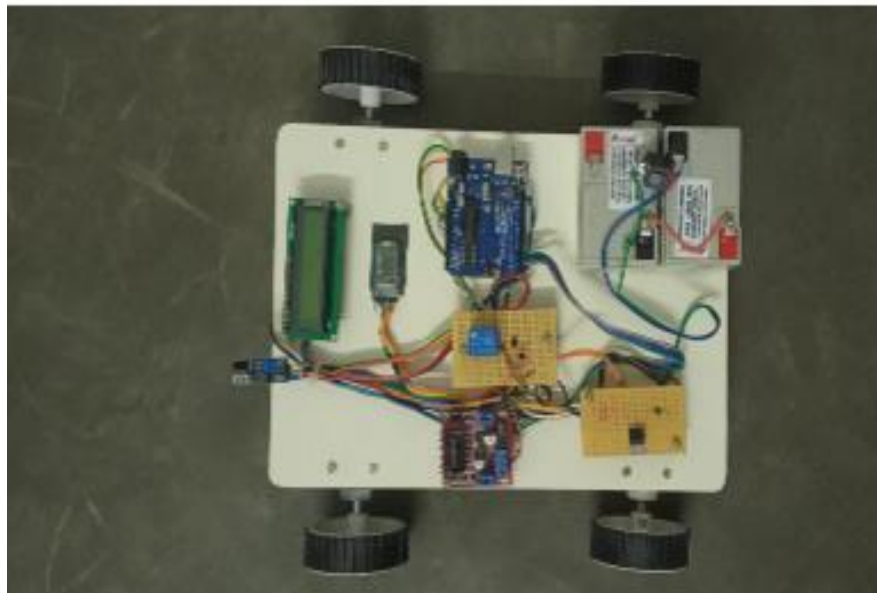
Bhuvaneshwari.M
Kokila C,
Tamilarasi B

12. **Title:** IOT Based Smart Helmet for Two Wheeler Application

Abstract— A smart helmet is a type of protective headgear used by the rider which makes bike driving safer than before. The main purpose of this helmet is to provide safety for the rider. This can be implemented by using advanced features like alcohol detection, accident identification, location tracking, over speed ,over load use as a hands free device, fall detection. This makes it not only a smart helmet but also a feature of a smart bike. It is compulsory to wear the helmet, without which the ignition switch cannot turn ON. An RF Module can be used as wireless link for communication between transmitter and receiver. If the rider is drunk the ignition gets automatically locked, and sends a message to the registered number with his current location. In case of an accident it will send a message through GSM and IOT along with location with the help of GPS module. The distinctive utility of project is fall detection; if the rider falls down from the bike it sends a message.
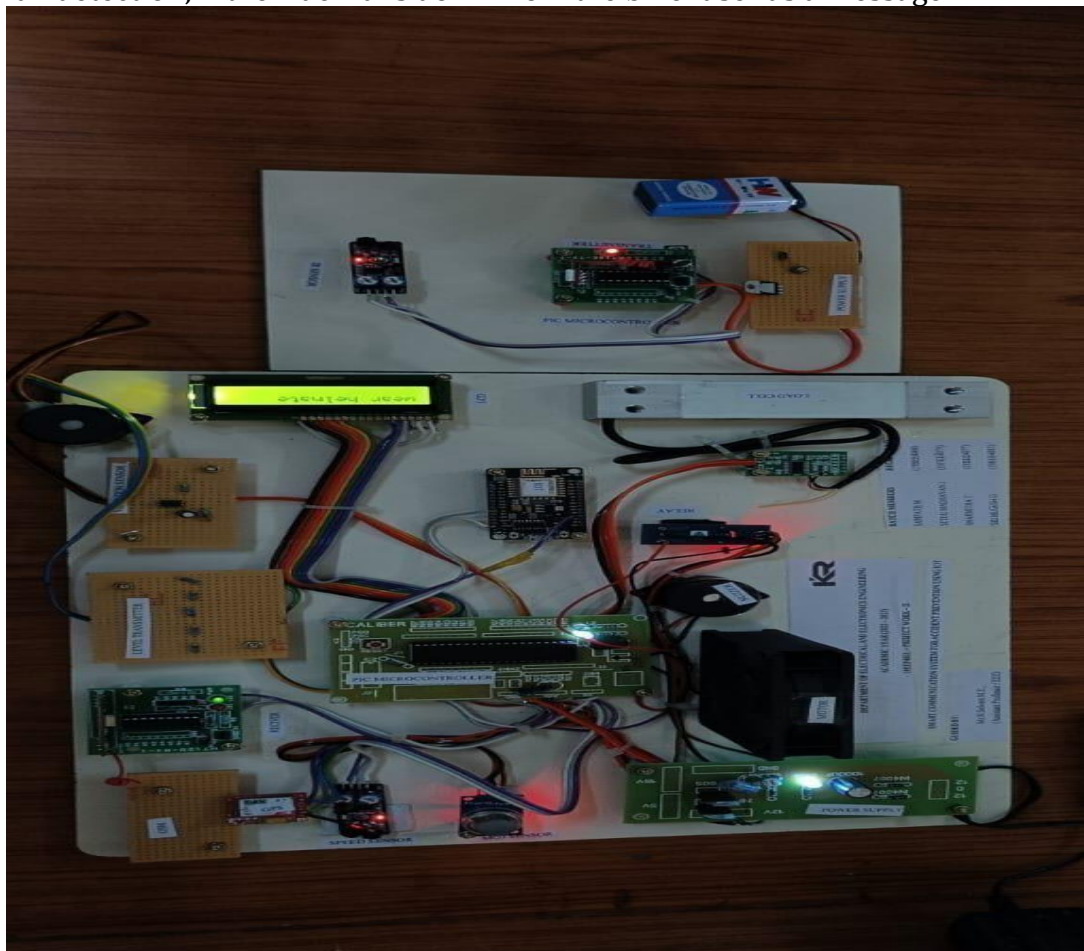
P.Poovarasan ,
A.Ruban ,
S.Raguviyasan

13. **Title:** An Effective Industrial Waste Water Management System by Machine Learning and IIOT

ABSTRACT- Industrial waste water treatment is one of the challenging issues that Industry faces nowadays. The treated water is either recycled for Industrial use or discharged into water-bodies. If not properly treated, it may lead to severe environmental issues. Industries adopt different types of water treatment mechanisms for reducing the pollutants. Though modern day industries use PLC (Programmable Logic Controller) or SCADA (Supervisory Control And Data Acquisition) based Systems for waste water monitoring, many industries still need human intervention in the last stages of waste water treatment. In the proposed IIoT based system we introduce a new approach for the effective monitoring of Industrial waste water with the help of machine learning.
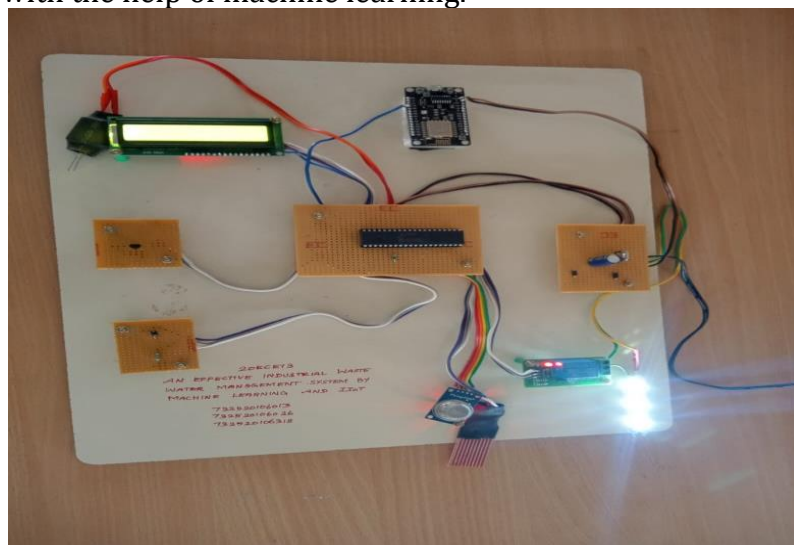
K. Pradeep ,
J. Jeevanantham ,
S. Mugesh Vasanth Kumar

14. **Title:** Crop Protection and Monitoring from Animal Attacks Using IOT Sollutions

Abstract- We address the problem of wild animals damaging agricultural land from several perspectives. Farmers who are impacted by this everywhere are quite worried about it, and it causes them a great deal of social and financial hardship. An investigation was carried out in Katli village, Rupnagar, India, to find the cause of this issue. The primary goal of the current research is to create a device that will minimize agricultural damage without endangering the crops themselves by directing wild animals away from fields. An infrared camera and a convolutional neural network (CNN)-based machine learning model have been coupled to produce an Acoustic Repellent System, which can identify target animals such as deer, wild boar, and nilgai. With the help of a frequency generator and camera, a Pic Microcontroller module can identify various animal species and generate sounds that deter them from visiting the farms of interest. Furthermore, a thorough explanation of the suggested solution's architectural features has been given. Finally, an analysis has been conducted about the possible outcomes of the suggested resolution.
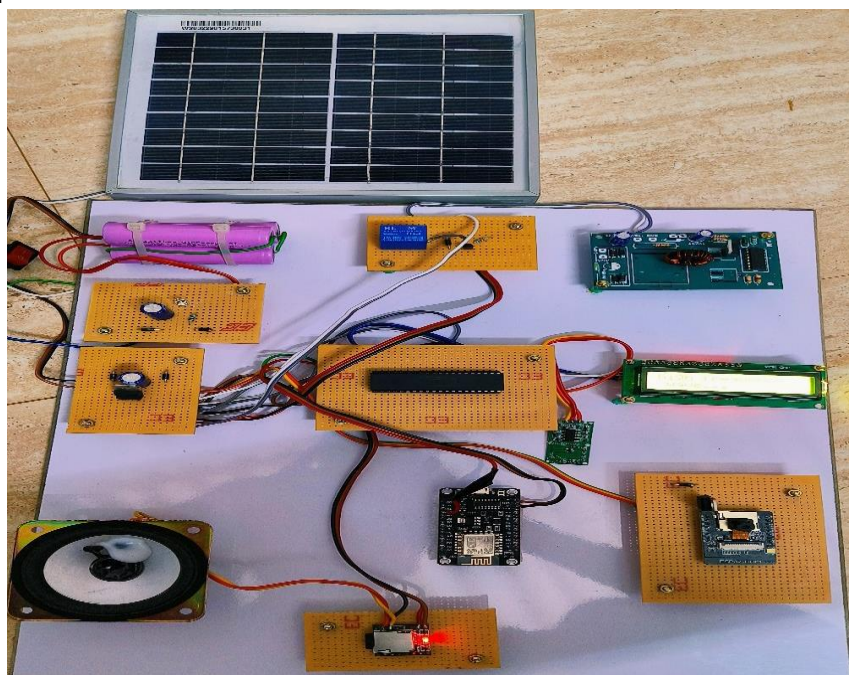

**Kaviyarasu M,
Saminathan K,
Aakash A**

15. **Title:** Vehicle Collision Avoidance Detection System Using Mmwave Radar

ABSTRACT— This project focuses on the design and implementation of a vehicle collision avoidance detection system utilizing millimeter-wave (mmWave) radar technology and a PIC microcontroller kit. Vehicle collisions remain a significant cause of fatalities and injuries worldwide, necessitating advanced safety measures. The proposed system employs mmWave radar for its capability to accurately detect objects and measure their velocity, making it ideal for collision avoidance applications. The PIC microcontroller serves as the central processing unit, facilitating real-time data processing and decision-making. Upon detecting an obstacle within the predefined danger zone, the system triggers appropriate actions to avoid a collision. These actions may include alerting the driver, activating braking systems, or steering the vehicle away from the obstacle. The hardware setup involves connecting the mmWave radar sensors and PIC microcontroller kit, ensuring seamless communication and data exchange.

Software development encompasses the programming of algorithms for object detection, collision prediction, and decision-making logic. Testing and validation are conducted through simulated scenarios and real-world experiments to assess the system's performance, accuracy, and reliability. The project aims to develop a robust collision avoidance detection system capable of enhancing vehicle safety and reducing the risk of accidents on the road.
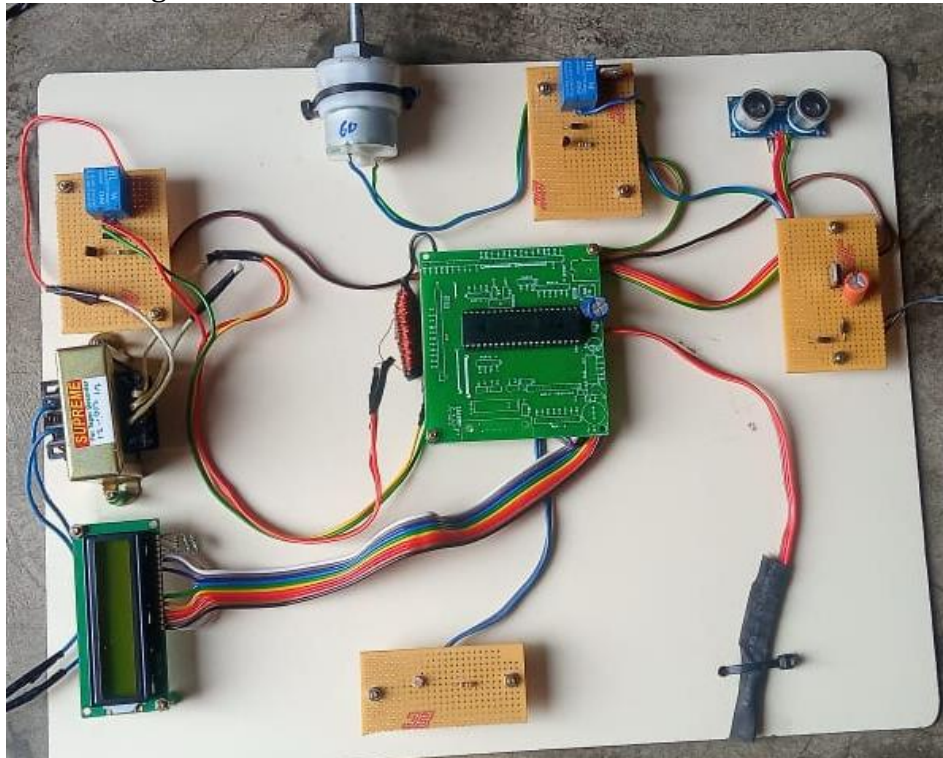
N.Mohan pradeep ,
S.Mohan Raj ,
K.Raaghul
G.Thanikachalam

16. **Title:** Embedded Based Vibration Motor Using Deaf and Dumb Peoples

Abstract:This project presents a vibration motor-based system designed to assist deaf and dumb individuals in receiving notifications and alerts using the embedded C programming language. By integrating vibration motors into wearable devices or communication aids, the system provides tactile feedback to users, enabling them to perceive important information without relying on auditory cues. The use of embedded C programming allows for efficient control and optimization of the vibration motor system, ensuring reliable operation and minimal resource consumption. The project addresses the unique communication needs of deaf and dumb individuals by offering a practical and accessible solution that enhances their ability to stay informed and connected in various environments. Through this project, we showcase the potential of technology to empower individuals with disabilities and improve their quality of life. Future developments may further enhance the functionality and usability of the system, making it accessible to a broader range of users with hearing and speech impairments.
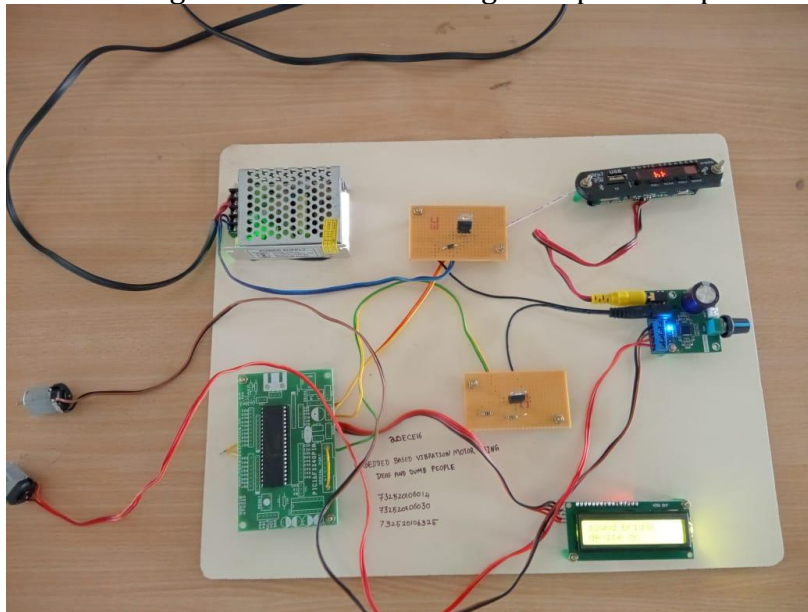

Karthi .P

Sakthivel .K

Sasi .M .V

STUDENTS PROJECTS

1. **Title: IOT Based Home Automation with Power Management System and Enhanced Security Using Voice Recognition**

Abstract: This research paper presents the development and execution of a novel home automation system operated through voice commands using Google Assistant. The system allows users to control home appliances, such as lights and fans, from anywhere using their smartphones or other smart devices. By connecting the home appliances to the internet, they can be easily accessed and monitored in real-time, making it an ideal solution for Internet of Things (IOT) facilitated home automation. The proposed system adds an extra layer of security by integrating speaker identification and verification technologies, ensuring that only authorized users can give commands to the system. The paper presents the results of the implementation and testing of the system in a real-world home automation environment.
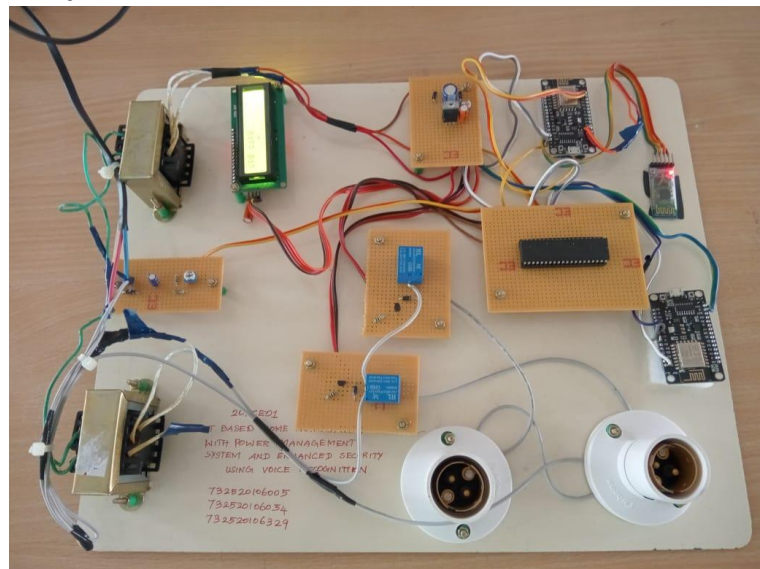
Darmaraj D,
Sarath Krishnan R,
Vinoth Kumar S

Student Participation in Conferences / Journals

S.No	Name of the Student	Title	Name of the Event	Name of the College
1	Darmaraj D	IOT Based Home Automation With Power Management System And Enhanced Security With Voice Recognititon	International ConferenceOn Recent Advances InScience, Engineering AndTechnology (ICRASET -2024)	Arjun Collegeof Technology,Coimbatore
2	Sarath Krishnan R			
3	VinothkumarS			
4	Dharaneesh M	Early Fire DetectionSystem For ElectricVehicle BatteriesUsing MachineLearningAndIOT.	International ConferenceOn Electrical Electronics& CommunicationTechnology(ICEE CT24)	Peri Institute of Technology, Chennai
5	Kavin P			
6	VasanthS			
7	VaishnaviM	Wireless Power Transfer System By Using Optical technology For Electric Vehicle	International Conference On Recent Advances In Science, Engineering And Technology (ICRASET -2024)	Arjun Collegeof Technology,Coimbatore
8	Shanthiya S			
9	Hemalatha P			
10	Guhan S	An Intelligent Smart Farming System Using AI and IOT	International Conference On Innovations And Technological Development In Electronics, Computers And Communication(ITDECC-2024)	SRM Institute of Science and Technology, Chennai
11	Gowtham J			
12	GokulT			
13	Nagaraj S			
14	GokulaPriyaA	Smart Soil Fertilizer Monitoring And Crop Recommendation System By Using Iot And Machine Learning Technology	International ConferenceOn Electrical Electronics& CommunicationTechnology(ICEE CT24)	Peri Institute of Technology, Chennai
15	HemaSree K			
16	Deepiga R			
17	Poovika V	Feasibility AnalysisOf HealthMonitoring UsingIOT EnabledAutomated SalineInfusion	International ConferenceOn Recent Advances InScience, Engineering AndTechnology (ICRASET -2024)	Arjun Collegeof Technology,Coimbatore
18	Resika S			
19	VanipriyaV			
20	VishaliniS	Enhancing RoadSafety For SchoolChildren ThroughSmart SchoolBuses	International ConferenceOn Recent Advances InScience, Engineering AndTechnology (ICRASET -2024)	Arjun Collegeof Technology,Coimbatore
21	Kaviya E			
22	Pradeepa M			
23	Elango S	IOT Based SmartWater ManagementSystem WithMachine Learning	International ConferenceOn Electrical Electronics& CommunicationTechnology(ICEE CT24)	Peri Institute of Technology, Chennai
24	Gowthami S			
25	Bhuvaneshwari P			

26	Haripriya M	A SystematicReview ofWearable Devicesfor Orientation andMobility of AdultsWith VisualImpairment AndBlindness	International ConferenceOn Electrical Electronics& CommunicationTechnology(ICEE CT24)	Peri Institute of Technology, Chennai
27	Mohanambigai C			
28	Priyanka R			
29	VithyaM	Smart IndustrialLevel Gas LeakageDetection SystemUsingAI and IOT	International ConferenceOn Recent Advances InScience, Engineering AndTechnology (ICRASET -2024)	Arjun Collegeof Technology,Coimbatore
30	Mohana B			
31	VarshiniS			
32	Bhuvaneswari M	Arduino BasedVoice ControlledWheel ChairForPhysicallyChalleng edPersons	International ConferenceOn Electrical Electronics& CommunicationTechnology(ICEE CT24)	Peri Institute of Technology, Chennai
33	Kokila C			
34	TamilarasiB			
35	RubanA	IOT Based SmartHelmet System ForTwo WheelerApplications	International ConferenceOn Innovations AndTechnologicalDevelopment InElectronics, ComputersAnd Communication(ITDECC-2024)	SRM Instituteof Science andTechnology,Chennai
36	Poovarasan P			
37	Raguviyasan S			
38	Pradeep K	An EffectiveIndustrialWastew aterManagementSystem UsingMachine LearningAnd IOT	International ConferenceOn Electrical Electronics& CommunicationTechnology(ICEE CT24)	Peri Institute of Technology, Chennai
39	Jeevanantham J			
40	MugeshVasanth KumarS			
41	Kaviyarasu M	Crop ProtectionAnd MonitoringFrom AnimalAttacks Using IOTSolutions	International ConferenceOn Electrical Electronics& CommunicationTechnology(ICEE CT24)	Peri Institute of Technology, Chennai
42	Saminathan K			
43	AakashA			
44	Raaghul K	Vehicle CollisionAvoidanceDetecti on SystemUsing Mm WaveRadar	International ConferenceOn Electrical Electronics& CommunicationTechnology(ICEE CT24)	Peri Institute of Technology, Chennai
45	Mohanraj S			
46	Mohan Pradeep N			
47	Thanikachalam G			
48	Sasi M V	Embedded BasedVibration MotorUsing Deaf AndDumb Peoples	International ConferenceOn Recent Advances InScience, Engineering AndTechnology (ICRASET -2024)	Arjun Collegeof Technology,Coimbatore
49	Karthi P			
50	Sakthivel K			

Prize Awarded

S.No	Name of the Student	Name of the event	Organized by	Date
1	Bhuvaneshwari P	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
2	Deepiga R	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
3	Gowthami S	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
4	Haripriya M	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
5	Hema Sree K	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
6	Sarathkrishnan R	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
7	Shanthiya S	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
8	Vaishnavi M	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
9	Vanipriya V	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
10	Varshini S	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
11	Vishalini S	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
12	Poovarasan.P	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
13	Poovika	Python Quiz And Reasoning Quiz	Government College of Engineering, Erode	05.08.2023
14	Abinaya M	Seize The Tune	Velalar College of Engineering and Technology, Erode	07.10.2023
15	Indhuja M	Drawing Competition	Shree Venkateshwara Arts and Science College, Gobi	20.02.2024
16	Karthi P	Paper Presentation	MPNMJ Engineering College, Chennimalai	03.05.2024
17	Karthi P	Circuit Debugging	MPNMJ Engineering College, Chennimalai	03.05.2024
18	Karthi P	Project Presentation	MPNMJ Engineering College, Chennimalai	03.05.2024
19	Sakthivel K	Circuit Debugging	MPNMJ Engineering College, Chennimalai	03.05.2024
20	Sakthivel K	Project Presentation	MPNMJ Engineering College, Chennimalai	03.05.2024
21	Sakthivel K	Paper Presentation	MPNMJ Engineering College, Chennimalai	03.05.2024