The Institution of Engineers (India)

IEI SPONSORED ALL INDIA CONFERENCE ON

RECENT TRENDS IN INFORMATION AND COMMUNICATION TECHNOLOGY

15.03.2023 & 16.03.2023

Organized by

The Institution of Engineers (India)

Kanchipuram Local Centre under the ageis of Computer Engineering Division

In association with

DEPARTMENT OF INFORMATION TECHNOLOGY

Sri SAIRAM INSTITUTE OF TECHNOLOGY

An Autonomous Institution *| Affiliated to Anna University & Approved by AICTE, New Delhi*

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ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI is the Largest multi disciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has membership strength of over 0.8 million. Established in 1920, with its headquarters at 8 Gokhale Road, Kolkata - 700020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 123 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities.

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The Institution of Engineers (India)

(Established 1920, Incorporated by Royal Charter 1935)

KANCHEPURAM LOCAL CENTRE
Jerusalem College of Engineering, Chennai, Tamil Nadu

"100 Years of Relentless Journey Towards Engineering Advancement for Nation Building"

CHAIRMAN'S MESSAGE

I express my sincere appreciation to the participants and I am sure they will have fruitful discussion during the All India Conference on "Recent Trends in Information and Communication Technology" held during 15.03.2023 to 16.03.2023 at Sri Sairam Institute of Technology, Tamil Nadu.

This is one another initiative by IEI Kanchepuram Local Centre to promote engineering activity among the students. I am told that there is an encouraging response from the students. My special appreciation to Dr.V.Brindha Devi,M.E.,Ph.D. Professor & Head of the Department, Sri Sairam Institute of Technology for organizing this event.

I wish them all success in their endeavor.

Dr. D. ELANGO, FIE
Council member & Chairman-IEI
KLC IEI- Kanchepuram Local Center

The Institution of Engineers (India)

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KANCHEPURAM LOCAL CENTRE
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HONORARY SECRETARY'S MESSAGE

It gives me immense pleasure in recording this message in the proceedings of the All India Conference on "Recent Trends in Information and Communication Technology" to be held during 15.03.2023 to 16.03.2023 at Sri Sairam Institute of Technology, Chennai, Tamil Nadu which is organized by our Kanchepuram Local Centre jointly with Department of Computer Science and Engineering, Sri Sairam Institute of Technology. In fact, IEI-KLC is very vibrant in organizing such kind of technical events for the benefit of the budding and fellow Engineers.

I am very happy to note that an overwhelming response has been received from various branch students and faculty members to take part in this great event. I am confident that all the participants attending this workshop will get very good hands on experience and the contacts required to pursue in this topic in future.

Let me convey my best wishes and congratulations to the Organizing team, especially Prof & Head Dr.V.Brindha Devi,M.E.,Ph.D., Sri Sairam Institute of Technology for their great efforts in undertaking this laudable initiative.

I wish the Seminar a great success

Dr. G. SHANMUGASUNDAR, FIE
Honorary Secretary-IEI
KLC Kanchepuram Local Center

"100 Years of Relentless Journey Towards Engineering Advancement for Nation Building"

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RECENT TRENDS IN INFORMATION AND COMMUNICATION TECHNOLOGY

15.03.2023 & 16.03.2023

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CONFERENCE PROCEEDINGS
published on the occasion of the
ALL INDIA CONFERENCE ON RECENT TRENDS IN INFORMATION AND COMMUNICATION TECHNOLOGY
by the KANCHEPURAM LOCAL CENTRE
of the Institution of Engineers (India)
at Sri Sairam Institute of Technology, Chennai
on 15-16 March, 2023.

ALL INDIA CONFERENCE ON
RECENT TRENDS IN INFORMATION AND COMMUNICATION TECHNOLOGY

15.03.2023 & 16.03.2023

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ARDUINOMATED VEHICLE PARKING SYSTEM

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ABSTRACT:
Finding parking space is frequently a challenge in big cities. Traffic congestion at parking lot is a severe problem for modern society because the number of automobiles is increasing swiftly without an equal rise in parking places. Now adays we can see that traffic is increasing day by day and in weekend days when we go to theatre,malls, restaurant, office etc. we are facing much issues for finding parking slot. And due to this the time and fuel is also wasted. To Address these concerns, we are designing an intelligent prototype module for arduino vehicle parking system using IOT and RFIDtechnology. In order to overcome the existing parking impact we have come up with this intelligent idea for parking vehicles. Thissystem is implemented with RFID(RadioFrequency Identification) and IOT(Internet OfThings) technology. This paper shows that the user can park their vehicle without the manpower .Here we address a fully automated system for parking the vehicle. The process will be equipped with small electronic units which consists of Micro Controller, IR sensor, IOT,RFID and LCD module.

Keywords : Arduinomated, RFID(Radio Frequency Identification), IOT (Internet of Things)

AUTOMATION ON PURCHASING ORDER

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ABSTRACT:

In the automation profession, "everyone involved in the invention and application of technology to monitor and manage the production and delivery of products and services" is referred to as an automation professional, and the same is true of anybody who works in this field. The exponential growth of the Internet and its importance to everyday life have brought in a huge number of new clients for the businesses. Finding ways to connect businesses with specific clients, or, in other words, identifying customer behaviour in a personal way and offering each customer the appropriate service independently, is one of the most important difficulties in the world of marketing. However, one of the key elements in determining customer. Studying a customer's lifestyle, however, is one of the most effective ways to determine their behaviour. In order to investigate the factors impacting purchases from online retailers, this article will look at how customers' lifestyles and purchasing decisions interact. In order to explain how consumers' lifestyle influences their buy intention from the virtual stores, this research suggested a conceptual model based on the technology acceptance model (TAM) and eight categories of VALS lifestyles. The demands during upcoming planning periods are unknown in the cost- oriented purchase problem, so we provide a new history-based approach for maximising the buy and inventory.

DEVELOPMENT OF LEGAL CASE MANAGEMENT SYSTEM FOR LAWYERS

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ABSTRACT:

Lawyers need more advanced technology and case management tools to keep their day-to-day tasks and works done, respectively. Our website is a computer based information system that helps the lawyers to maintain their task and manage the client's records and proceedings in time using HTML . The lawyers can even document the client's files and legal datasets and upload them using database in the portal for future references.Lawyers can refer sections of law for reference and can easily find them for the upscale of client's case in the court. Lawyers can record the meetings with the client and can schedule meeting with client's and court's proceedings in the management system and it makes the job easier for the advocates. The proposed system allows advocates to manage their daily tasks such as cases, appointments, documents etc..

IOT BASED SOIL PH DETECTION AND CROP RECOMMENDATION SYSTEM

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ABSTRACT:
Precision farming is made possible by smart agriculture, which is supported by IoT. By Measuring precise soil properties including moisture, temperature, humidity, PH, and nutritional content/fertility, soil monitoring and Internet of Things (IoT) technology help improve agriculture by improving production. After being collected in cloud storage and using the proper data processes, this data allowed us to optimize farming tactics and aid in the development of a trend analysis. Thus, we are able to optimize yield by carefully
allocating resources and directing farming practices. The suggested IoT system is made up of a microcontroller/microprocessor with WiFi, a pH sensor, humidity and temperature sensors,soil moisture sensors, soil nutrient sensors (NPK) probes, and cloud storage. When used, the sensors take measurements of the corresponding attributes and send time-stamped real-time data to a cloud server. Together, these sensors enable the analyst to receive accurate data. For The suggesting system, the SVM and Decision Tree algorithm is recommended to get the crop suitable for the provided soil data and helps to boost growth utilizing an optimum farming procedure.

SMART BLIND STICK

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ABSTRACT:
This paper focuses on designing a smart walking aid to help visually challenged people and to identify the obstacles in order to provide assistance to reach their destination safely. This walking aid for blinds,constructed using Arduino Nano supports them to move around indoor, outdoor locations and even to travel in public transport.

Keywords–ESP 8266, Ultrasonic Sensor, Vibrator

DDOS ATTACK DETECTION USING MACHINE LEARNING AND BLOCKCHAIN TECHNOLOGY

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ABSTRACT:
Despite the fact that the IoT paradigm has been subject to intrusion threats and attacks that raise security and privacy concerns, current intrusion detection approaches are unable to remain reliable in the face of the assaults. Due to these security flaws, hackers may be able to take control ofIoT devices and use them to create a Botnet and conduct Distributed Denial Of Service (DDoS) attacks. IoT devices can benefit from blockchain technology#39;s ability to secure authentication utilising public keys. Similar to this, Smart Contracts (SCs) can automate the IoT-blockchain network to improve performance.Successful classification of the standard and thread patterns occurs in the network when training patterns are used effectively.The findings of the experiments can then be used to evaluate the system#39;effectiveness.

A SMART HOME ENERGY MONITOR

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ABSTRACT:
Today technology has changed across the world .Internet of Things has paved the way for us allowing us to insert technology into day to day physical objects. In this paper an Energy Meter with Smart Monitoring ofHome Appliances based on the Internet of Things. This paper proposes a system which eliminates manpower by self-regulating meter readings and bill generation reducing the causes which are one of the major cause for energy-related corruption .Energy Consumption, especially electricity consumption, is one of the serious problems that we are facing in today's world. There is a need for an efficient system to monitor this energy consumption .Internet of Things opens a way to solve these problems interconnecting hardware, software and cloud. Therefore, we propose an energy consumption monitoring system for home appliances which can be used to calculate the energy consumption of the household and to keep the user informed about the electricity consumption through an android app and wall mounted touch screen where he can view the units of electricity used and a prediction of the bill at the end of the month .The system can also be incorporated with the features of controlling the energy consumed by the appliances as desired by the user, the app and wall display will notify if the electricity consumption exceeds a threshold value set by the user.

A FRAMEWORK TO MAKE e-VOTING SYSTEM TRANSPARENT USING BLOCKCHAIN TECHNOLOGY

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ABSTRACT:
In democratic countries such as India voting is the fundamental rights given to the countries. Citizens Needs to physically present and cast their vote in ballot – paper based voting systems. Most of the citizens fail to fulfil this constraint and have stayed away from their fundamental duties. Electronic – VotingSystem are often considered as one of the efficient alternatives in such situations. Block chainTechnology is an emerging technology that can provide a real solution as it is characterised by immutable transparent anonymous and decentralised properties. This paper proposes a solution using blockchain to eliminate all disadvantages of conventional elections. Security and data integrity of votes is absolutely provided theoretically. Voter privacy is another requirement that is ensured in the system.Lastly waiting time for results decreased significantly in proposed blockchain voting system. This protocol utilises smart contract into the e-voting system to deal with security issues accuracy and voters privacy during the vote.The protocol results in a transparent non-editable and independently verifiable procedure that discards all the intended fraudulent activities occurring during the election process by removing the least participation of the third party and enabling voters right during the election. In combination with suitable smart contract constraints also grant protection from double voting. Our design is presented in detail focusing on security guarantees and the design choices that allow it to scale to a large number of voters. Finallywe present a proof-of-concept implementation of the proposed framework made available as open source.

PARKINSON'S DISEASE – A DETECTION SYSTEM USING MACHINE LEARNING

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ABSTRACT:
Parkinson's disease (PD) is a neurodegenerative movement condition that starts with a mild tremor in one hand and a feeling of stiffness throughout the body. Over more than
6 million people are affected globally. There is presently no definitive diagnosis for this illness made by non-specialist clinicians, particularly in the early stages of the illness when itis very difficult to identify symptoms. The field of medical diagnosis has considerably advanced thanks to machine learning algorithms' flexibility and usability. The problem can be addressed with a low error rate using the proposed predictive analytics framework and our ParkinsonDetectionSystem.

Keywords: Early diagnosis system; Machine learning; Decision support system; UCI machine learning library; Voice datasets.

SOLDIER'S HEALTH AND POSITION TRACKING SYSTEM

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ABSTRACT:
Nowadays, the security of the world totally depends on enemies and campaigns, and so the safety and precaution of the soldier play a vital role in it. The proposed tracking system can benefit the soldiers' security and health, which can show the soldier's current position. The Global Positioning System (GPS) is used to determine the current location of the soldier and a heartbeat sensor along with a temperature sensor is used to determine the health coordinates. The transmission of the message is done through the Global System for Mobile Communication (GSM) to the base station. This system contains a single-board embedded system that consists of GPS and GSM modems along with an Arduino Uno. During the soldier's motion, the real-time location can be reported through SMS. The system can track the location through the use of GSM and GPS technologies.

Keywords: Global Positioning System (GPS), Global System for Mobile Communication (GSM), Heartbeat sensor, Temperature sensor, ARDUINO UNO.

SMART IRRIGATION SYSTEM BY DETECTING PLANT SQUEALS USING IOT TECHNOLOGY

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ABSTRACT:
Water is a necessity for all living things. In the modern world,water is both essential and widely used. Due to population increase and globalization, consumption is rising. In order to battle the water shortage, to cut down on water waste and to use water more wisely. Thus, IoT technology makes it possible to use water more effectively. According to a recent study, plants actually emit ultrasonic sound. By keeping an eye on the squeals the plant makes, the weather, the texture of the soil, and the moisture level, we can estimate how much water needs to be provided. With the assistance of IoT, we use sensors to identify these features, and then we use distribute water in accordance with the needs of the plant by using this Technology.

Key Words--Irrigation, IOT, sensors

RFID ATTENDANCE TRACKER

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ABSTRACT:
To create RFID Attendance tracker in which it automatically enrolls the one's presence in the workplace or college etc. And also reduces the human effort. RFID Attendance tracker based on using the Arduino UNO board which stores the data and information. In which, we use RFID MFRC522 to read the information of card or tag, then the access will grant by glowing of green light otherwise the red light will intimate the stranger by buzzer sound.

Keywords-RFID MFRC522, Arduino UNO

“DIGITAL HEALTH RECORD” – A ADVANCED SOFTWARE FOR STORING MEDICAL RECORDS

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ABSTRACT:
Our current situation makes it burdensome for us to report to the hospitals with a lot of paperwork. Our website aids us in overcoming the challenge by substituting the physical files with digitalized medical records, which are advantageous for both patients and healthcare providers. These medical records store information about the patient#39;s medical history. The electronic health information system, which combines the capabilities of data utilization,reporting, and medical recording, is provided. This application#39;s objective is to offer synchronized operation and automatically generated reports to increase the accuracy and efficiency of medical professionals operating in community clinics and health centers where paper records are the primary method of diagnosis and medication prescription. Many hospitals utilize server-based systems to manage patient medical records, but because these systems need a lot of storage, their scalability is constrained. Among the difficulties they are addressing are interoperability, security, and privacy worries, as well as cyberattacks on the centralized storage. Downloads of lab reports may be jeopardized by weak authentication methods that are simple to distribute to outside parties. The suggested approach, a Blockchain-based private patient information management system, will deal with the difficulties raised. The Approach promises quick access to and retrieval from the system using distributed, immutable, and secure ledger.

APRIL - AN AI BASED OPERATING SYSTEM

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ABSTRACT:
In this ever growing world it is necessary for things to be updated and kept up to the par.Computers are a useful and integral part of human life, but what about the people who cannot use the same? To solve this problem we head to a new generation of computers which utilize Artificial Intelligence and advanced feedback systems along with other features like IOT and many more. With this type of computer the extra need for the use of keyboard and mouse can be reduced and thus the amount of e-waste produced every year.We are planning to make this product both as an Operating System(OS) as well as a software which can run on other OS like the MAC, Windows and Linux based system irrespective of their architecture.

PREDICTION OF CARDIOVASCULAR DISEASE

[1]Ms.K.Anuradha , [2]S. Akshaya, [3]C. Rajaselvi, [4]M. Akshaya
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Chennai, Tamil Nadu.

ABSTRACT:
Heart disease, also known as cardiovascular disease, is one of the most serious infections in both India and the rest of the globe.According to estimates, cardiac illnesses account for 28.1% of fatalities. Moreover, a considerable number of deaths are caused by it,which reached 17.6 million or more in 2016.Therefore, a system that can predict with exact accuracy and reliability is required for the proper and prompt diagnosis as well as the treatment of such diseases.Numerous researchers conduct extensive research using a variety of machine learning algorithms to predict heart disease using different datasets that contain various attributes that lead to heart attacks. We Examined the dataset from Kaggle, which includes variables associated to heart disease such age, blood pressure, cholesterol,gender, and other factors. Also, we looked into the accuracy levels of several machine learning methods like Region-based ConvolutionalNeural Network (R-CNN), Long Short-Term Memory (LSTM).Whenused with a huge dataset, the aforementioned algorithms#39; performance and accuracy are not as good, hence in this case, we sought to increase prediction accuracy utilising Tensor Flow Keras and Artificial Neural Networks (ANN).

‘AGRONOMEX ‘ – AN AI-BASED APPLICATION FOR PREDICTION AGRICULTURE OF SOIL FERTILITY AND ADDITIVES

[1]Mrs R. Prabavathi,[2]Mohamed Ashik Irfan M,[3]Jayasuryan N,[4]Sree Sachin E
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[2,3,4]Students Sri Sairam Institute of Technology - West Tambaram
Chennai .

ABSTRACT:
The use of synthetic fertilizers in agriculture for decades has had a severe Impact on the fertility levels of the soil. This overuse of chemical fertilizers has Led to a decline in the soil’s ability to support a diverse range of crops, resulting In a reduction in crop yields. To restore the fertility of the soil, it is necessary toAdd nutritious natural additives to the soil. This is where our proposed AI-based Solution comes in. Our Solution aims to address the problem of declining soil Fertility by providing farmers with the necessary information to use natural Additives effectively. This information includes the type of additive to be used, The appropriate usage schedule, and the correct quantity to be applied. By using Our AI-based solution, farmers can optimize the use of natural additives and Restore the fertility of their soil, resulting in improved crop yields and a more Sustainable agricultural system.

SIGNCOMM: REAL-TIME SIGN LANGUAGE RECOGNITION AND TRANSLATION USING MACHINE LEARNING AND NATURAL LANGUAGE PROCESSING

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ABSTRACT:
This project proposes a prototype ASL application with a real-time sign recognition system using a Leap motion controller. Theapplication is designed as a whack-a-mole game, and a Long-ShortTerm Memory Recurrent Neural Network with k-Nearest-Neighbourmethod is adopted as the classification method for handling sequences of input. The model is trained with 2600 samples, 100 samples per alphabet, achieving an average accuracy rate of 99.44%and 91.82% in 5-fold cross-validation. Another proposed method for real-time hand gesture recognition using a web camera is described.The approach involves image pre-processing, feature extraction, and nearest neighbor classification. The training dataset contains five gestures, each with 50 variations. Finally, this project proposes the use of convolutional neural networks for Indian sign language recognition, utilizing a selfie mode continuous sign language video capture method to create a dataset with five different subjects performing 200 signs in five viewing angles. The trained CNNachieved a recognition rate of 92.88%, demonstrating the potential of leveraging technology to improve communication between deaf and non-deaf individuals.

CENTRALIZED ERP APPLICATION FOR DRINKING WATER DISTRIBUTION UNDER VARIOUS UNITS AND MAINTENANCE

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ABSTRACT:
Many small distributers and shops are packing and distributing mineral waters under various units and containers based on user requirements. Most of these business people are only using some manual entries for stock maintenance and water distribution as they cannot afford an ERP software to automate their process. Thus, we are planning to create a centralized ERP application to maintain the stocks and distribution history along with the mode of transport, payment cycles, customer maintenance etc which will help the micro business units to enhance their business in a better way. The application will be having 2 users, Admin and Operator. Admin will be having the supreme rights towards all the functionalities of the application which includes customer maintenance, stock maintenance, operator maintenance, payment maintenance and logistics maintenance. Registered operators will be working on the billing part and stock maintenance.

Keywords: Water, Reduce paper works, Web Application, Business, Reduce, Billings

AUTOMATED RESUME PRODUCTION SYSTEM

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ABSTRACT:
Unemployment is one of the problems in our country. A person needs a job to run their life. To get a job everyone should have a perfect resume. A resume decides a person's quality and how they are qualified. In our project we create a resume with the help of artificial intelligence. We create a unique qr code, in that we insert the resume. When it is scanned it will show your resume.A resume is a short written description of your education, qualifications, previous jobs, and sometimes also your personal interests, that you send to an employer when you are trying to get a job. Before we get information through software. It will order your qualification and prepare your resume perfectly. An automated resume production system is a software tool designed to assist job seekers in creating effective resumes quickly and efficiently. The system uses advanced algorithms and artificial intelligence techniques to analyze a user's career history, skills, and education, and then generates a personalized and professional-looking resume based on that information. The system also provides suggestions and tips for improving the content and formatting of the resume. The benefits of using an automated resume production system include saving time and effort in creating a resume, improving the quality and effectiveness of the resume, and increasing the chances of landing an interview and A resume is a short written description of your education, qualifications, previous jobs, and sometimes also your personal interests, that you send to an employer when you are trying to get a job. Before we get information through software. It will order your qualification and prepare your resume perfectly.

EDULINK

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ABSTRACT:
The rise of online learning has brought about numerous opportunities for individuals to access education from anywhere in the world. However, the lack of external interaction in an online learning environment can make the experience dull and unengaging leading to a lack of interest and even dropping out of course. The EduLink app is a collaborative learning platform with strangers that aims to revolutionise the online learning experience by providing an interactive and engaging learning platform for users by incorporating AI and Chatbots. The app will provide more productive and interactive experiences for learners. The app will guide learners through the learning process, connecting individuals with similar interest through global chat, chats on specific topics and audio-visual conferencing features and simulate the atmosphere of an actual classroom where ideas can be shared, queries can be solved in real-time. EduLink features robust global chat functionality that enables users to connect, share resources, and engage in real-time discussions on a wide range of topics. EduLink integrates access to high-quality video lessons and interactive quizzes to enhance the group study experience. The chatbots will be connected to course instructors to handle the queries of the learners. Queries can be stored and shown to the instructors later. EduLink also allows users to connect with and book qualified tutors for personalised guidance. The tutors are selected based on their qualifications, experience, and expertise, and are available for one-on-one sessions or group sessions. The goal of EduLink is to create an interactive and engaging online environment that keeps learners motivated and engaged in the learning process.

ONE PRESS VOTING SYSTEM USING BLOCK CHAIN

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ABSTRACT:
Electronic voting or e-voting has been used in varying forms since 1970s with fundamental benefits over paper based systems such as increased efficiency and reduced errors. However, there remain challenges to achieve wide spread adoption of such systems especially with respect to improving their resilience against potential faults. Blockchain is a disruptive technology of current era and promises to improve the overall resilience of e-voting systems. Blockchain is one of the emerging technologies with strong cryptographic foundations enabling applications to leverage these abilities to achieve resilient security solutions.

DIGITAL MEDICAL RECORD-AN APPLICATION TO RECORD MEDICAL PRESCRIPTION

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ABSTRACT:
The purpose of digital medical record(DMR) abstraction includes collection of data related to administrative coding functions, quality improvement, clinical register functions and clinical research. This article examines the different abstraction methods, such as manual abstraction, simple query, and natural language processing (NLP). It also discusses the advantages and disadvantages of each of those methods. The process used for successful DMR abstraction is also discussed and includes the scope and resources needed (time, budget, type of healthcare professionals RHIA, RHIT, etc.). The relationship between DMRs and the clinical registry is also examined with a focus on validity of the data extracted. Future research in this area to examine abstraction methods across hospitals who do data abstraction are being finalised for a future Publication.

GAME-BASED WEBSITE FOR IMPROVING SPECIFIC LEARNING DISABILITIES

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ABSTRACT:
Dyslexia is one of the most common learning disabilities experienced by children and adults. A large amount of research is currently being conducted in exploring the benefits of using modern technologies as a learning platform, especially for children with such learning difficulties. We now focused on developing a website that could children improve some of their fundamental skills, such as reading comprehension, speech training, short-term, memory, and mathematical problem-solving have created an interactive experience for children with SLD that could encourage their learning process. The website was developed based on the understanding of dyslexia's nature and how it affects learning, not only in the writing and reading process, but also in mathematics and prob problem-solving developing a website which could children improve some of their fundamental skills, such as reading comprehension, speech training, short-term, memory, and mathematical problem-solving. We have created an interactive experience for children SLDs that could encourage their learning process. The first category (WORDS) aims at exercising and improving the students reading and writing skills in an educational and entertaining process. The reading comprehension assessments focus on children's understanding of the given text by using multiple-choice items. (ii) the "Numbers" Category, which is aimed at developing and supporting mathematical logic, (iii) the "Memory" (visual memory) Category, which aims at improving children's short-term memory and concentration. Each category is comprised of three different games, each of which has four levels of increasing difficulty, offering each child the ability to "play" and proceed to the next level in accordance with his or her individual needs and learning capacities.

SMART GARBAGE REWARD SYSTEM

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ABSTRACT:
Waste management is one of the central themes of the circular economy. The expectations from waste collection have remarkably grown in the past years. Garbage pickup and waste collection alone are no longer enough for cities. They look for flexibility, availability of on-demand waste collection, service verification, and easy-to-deploy Pay-as-you-throw systems. Garbage waste can be decomposed and degraded by using microbes. There is an expansion in commercial, residential and infrastructure improvement because of the populace development and this negatively affects the Environment solid waste management. One of these effects is because of area of dumping site in unsuitable regions. Non-Bio-degradable waste cannot be decomposed by using microbes. The objective of this works is to segregate the garbage waste into biodegradable and non-bio-degradable waste. Rewards will be provided to the segregator on the basis of points they achieved by properly separating the wastes and providing to the garbage collector. We used voice bot feature which will be helpful for non-educated people to use and easy access. People can utilise the points in land tax payment. According to the points redemption on tax will be done. KEYWORD: BIODEGRADABLE, NON-BIO-DEGRADABLE, TAX REDEMPTION, VOICE BOT, WASTE MANAGEMENT.

TRAFFIC SIGNAL CONTROL AUTOMATION SYSTEM FOR AMBULANCES USING MACHINE LEARNING

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ABSTRACT:
This paper is about the traffic signal automation system through ambulance drivers in case of emergency situations. We are going to develop a mobile application, through which the registered ambulance drivers can be able to turn on the emergency mode while they pick up a case. Once the emergency mode is started, the GPS of the driver's mobile will keep track of his route, and if it finds any traffic signal, a request will be sent to the control room automatically to check the current status of the signal. Based on the current state, remaining time for signal change, the distance between the ambulance and the signal, and the traffic density, a machine learning algorithm will make a decision whether to continue on the flow of the traffic signal or to freeze the signal to green till the ambulance crosses the road. This may save a few seconds or minutes which itself is very important in saving a life during an emergency situation. Once the ambulance crosses, again a request will be triggered automatically to make the signal to the normal timed flow.

Keywords: Ambulance, Emergency alert, Application, Machine Learning\

INTRUSION DETECTION SYSTEM USING OTCL LANGUAGE

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ABSTRACT:

Data security is one of the greatest threats that is being faced. Data's are being stolen or destroyed in the internet. So intrusion detection plays a major role in securing the data's. The intrusion detection system (IDS) is an important network security tool for securing computer and network systems. It is able to detect and monitor network traffic data. It can search and match rules with network traffic data in order to detect attacks, and generate an alert.

JS BASED IP TRACKING TO DETECT CHANGES IN IP USING VPN

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ABSTRACT:
WebRTC (Web Real-Time Communication) is a State-of-the-Art open technology that makes real-time communication capabilities in audio, video, and data transmission possible in real-time communication through web browsers using JavaScript APIs (Application Programming Interfaces) without plug-ins. If users connect directly (and not via proxy/VPN/TOR), it would be very likely that they will connect again from a nearby location. If users connect from two different locations, that means either these are two different people (one of whom might've stolen the credentials), or that the user uses an anonymizer of sorts. The objective is to track the client whether they are using VPN using IP address

MACHINE LEARNING FOR THE DETECTION OF BREAST CANCER

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ABSTRACT:

Breast cancer is the most common cancer among the women. The number of breast cancer cases is steadily growing especially with increasing number of ageing population.Breast cancer is considered as causes of mortality among women aged 20–59 worldwide.Early detection and treatment can allow patients to have proper treatment and consequently reduce rate of morbidity of breast cancer.

TRAFFIC VIOLATION DETECTION AND CONTROL SYSTEM WITH RFID AND IOT

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ABSTRACT:
The objective of this project is to introduce a system which detects stop line violation during red light running and thereby we can trace each individual vehicle. It captures the violated vehicle id and enters the id in system database and limits the warning up to certain extend. The proposed system includes 2 modules namely vehicle unit, traffic unit. Vehicle unit consists of [2, 3] PIC (Peripheral Interface Control), RFID tag and various sensors whereas in traffic unit it consists of RFID reader, microcontroller and a GSM Module.

FINDING AFFORDABLE HOUSING AND SUSTAINABLE SURROUNDINGS THROUGH MOBILE APPLICATION

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ABSTRACT:
For many number of years people are facing many problems for getting proper accommodations and food. Also faces other problems like bike rentals, groceries, etc. These problems can be over came be providing a proper and well reviewed informations to the users. Hence we are creating an mobile application using machine learning algorithm where bachelors can find their needed information and also the bachelors are united locally through a community system. This is an user friendly application in which Reinforcement ML algorithms are used to compare the user need and the datasets present in the database and sort the display. The mobile application is integrated with Machine Learning Technology in which the datasets are
trained and the search results are sorted based on the customers satisfaction. The Where users can find their needed information like house rentals, restaurants, groceries etc,. Also the bachelors can register for the part time jobs and work and the delivery boys, and other jobs too. Hence bachelors can employed as well through this application. We are creating this application with a community interface where one user can interact with other users to get reviews about required particular Informations.

DEPRESSION CHATBOT WITH EMBEDDED SMART DEVICE

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ABSTRACT:
Healer bot is a Virtual Friend to share our feelings without being judged. It helps to distract, calm and relax the user from their depression, stress and anxiety. With no third party intervention, Healer Bot safety and security to the User and their data. The Healer Bot is a chat bot, a virtual friend designed specifically to assist the user at times of depression, stress, and anxiety. Our App serves as a Virtual friend to the user, helping them to share their thoughts and emotions openly regardless of being judged. Healer Bot is connected to a smart device(watch) in which the personal health rate is recovered from it. This app will monitor those data's and personalised notifications will be sent to the user. Further Healer Bot analyses the user and his emotions further serving its person to comfort the user. Keywords- Healer bot; no third party; depression; safety; smart device; personalised notifications.

BASS WEB APPLICATION FOR CHILD LABOURS

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ABSTRACT:
We are trying to build a machine vision solution to monitor the activities sing BASS web application. About 40% children in our Indian society has always been a unexplored topic. The reasons of the same can be traced back to the socio-cultural background of the country. In the world children are taken as the greatest gift to humanity. The growing phase in a child's life is an important stage of human beings it holds the potential to the future of our society. Children who are brought up in an environment which develops their intellectual, physical and social development will be a responsible and productive part of the society. Thus every society links its future to the present status of the children. Today a child has been defined differently by different agencies as per their view and there is a very large gap and contradiction in these definitions. This paper beholds the idea of a child labour detection technique to prevent such illegal instances taking place in the construction areas, brickfields, coal mining fields, make-up product mining fields...etc in our country. Considering the unavailability of an open sourced child labour rescue zone, a noble website has been formulated in this project. The main goal is to reduce the percentage of child labour by increasing the percentage of literacy rate in our country. This goal can be achieved through our web application by enforcing the child labour rescue services. This portal helps to arise complaint against the child labour activities.If child labor'sidentified they would be rescued and educated with the help of this website by sharing their images and current location details. By integrating with various stakeholders, bank and aadhar system and NGO's for providing fund and scholarships. Those child labourers are rescued then the government will provide proper education as well as govern their process. Life of little ones are destroyed, when child labour is employed. Children are mean to learn and not to earn.So, for better nation lets stop child Exploitation.

A CHARITY FUNDING SYSTEM FOR FARMERS USING BLOCKCHAIN TECHNOLOGY

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ABSTRACT:
This project is used to avoid the loan problems and to enhance the welfare of the Farmers. Many farmers are dying and died because they could not pay the bank loan from the bank which they brought for the growing crops. Reason why the our website is created? It is a web based site through which we can donate for the farmers. Nowadays farmers are facing many difficulties in paying back their loan amount because of several natural calamities like heavy rainfall, cyclones, drought and etc. The death rate of the farmers have been increased since past years because of the loan problems and other money related issues. So, we introducing our website, in which people who are all willing to help the farmers to pay back their loan can come forward and send some of their earnings to them through the website which will help the farmers to nullify their loans and it will also help for the Economic growth. We are developing the website using blockchain technology which will help in transparent and secured transaction.

Keywords: non-profit organisation, Agri-Pay, Donate, Farmers, Loan,
Death rate, Economic growth.

EXACT CABLE FAULT DETECTION

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ABSTRACT:
Underground cables have variety of faults due to underground conditions, due to temperature ,heat and damage. Also detecting fault source is difficult and entire line is to be dug in order to check entire line and fix faults. So here we propose an cable fault detection over IOT that detects the exact fault position over iot that makes repairing work very easy. The detector knows exactly which part has fault and only that area is to be dig to detect the fault. This saves a lot of time, money and efforts and also allows to repair underground cables faster. We use IOT technology that allows the authorities to detect and check faults over internet. The system detects fault with the help of checkpoint divider lay across the cable. Whenever a fault gets created at a point shorting four lines together, a specific voltage gets generated as per the resistors network combination. This voltage is sensed by the microcontroller and is updated to the detector. The information conveyed to the user is the distance to which that voltage shown. The microcontroller retrieves the fault line data and displays over LCD display, also it transfers this data over internet to display online. We develop the software that links with the system to display the cable faults online. In this project we proposed a fault localisation model for the underground cable lines with Arduino. The purpose of this project is to determine the distance from the base station's underground cable fault in metres. When a fault occurs in the system the distance located on liquid crystal display (LCD). In traditional method, cables were designed to be placed above the head and, at present, they use underground cable that is higher than the previous method. adverse weather conditions such as storms, snow, heavy rains and pollution does not affect on underground lines But when a fault occurs in underground lines it is difficult to locate the fault in underground cable. We will find the exact location of the fault. Now the world has become digitalised so, the project is to detect exact location of the fault in digital form. Underground cabling system is a more common practice in many urban areas. Although the fault occurs for some reason, at that time, the repair process for this particular cable is difficult
because of not knowing the exact location of the cable breakdown.This is useful for the cable operators too by saving time and their work will be stable.So we proposed this project.

PETTOGRAM - A MOBILE APPLICATION TO RESOLVE PUBLIC DAILY ISSUES

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ABSTRACT:
Pettogram is an application based on social media interfaces like Instagram that helps the people to solve the public issued in their regions and officials by deciding which problem need to be resolved first. The problems will be listed in an order based on the need of respective region people. In each area, the problems were handled by their respective officials. They need to solve the problems but they need an assistance which helps them to find the priority of the problems which needs to be solved first. We are splitting the users of the application into two to avoid fake posts. The officers or professionals who were authorised by their government are Pettogrammer, who are only allowed to post the problem so there will be an advantage that several users can use the platform in a legit manner. The common people are only allowed to streak the post which are in great need for solution which will be viewed by them in a feed. The problem of that region is circulated only in that particular region. These streaks will help to generate a priority queue based on the streaks of the post. The top most problem is the one with most need to resolve. The officials also can share the state of problem while they take actions. If this concept works efficiently, we can make this as a national level issue resolver. The fake ids issue will not occur here as we are using the Aadhar as a primary constraint since every individual has only one Aadhar which are unique for everyone.
Keywords:Pettogrammer’s, streaks, Aadhar, officials, national issue resolver, Instagram.

PLACESERIES'O – AN APPLICATION FOR PLACEMENT PREPARATION ALONG WITH PLACEMENT PREDICTION

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ABSTRACT:
Nowadays among students there is a increased inquisitiveness in Computer Science and IT industry which make them want to learn more new emerging technologies easily. But in order to learn those basic technologies they must be well-versed in basics of mathematics and coding. Thus, we provide a website with complete guidance for people who are trying to get placed in their dream company and even working professionals can use this platform to develop their skills in their domain or learn a new skill to make career shift or they can even become a freelancer with multiple skills. Students are overwhelmed with lot of content over internet about a company, its interview process and how to prepare so, we summarize all the information to help people land on their desired job. Our website has detailed system for preparation of aptitude round, technical round and HR round which is customized and different for every IT company that helps you crack your interview.
Keywords: Web development, Website, Machine Learning, Placement, Preparation

CRIMINAL ACTIVITY DETECTION AND PREVENTION USING CCTV SURVEILLANCE

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ABSTRACT:
CCTV surveillance is essential for the security of any location and recorded data monitoring and preventing and analyzing any type of crime. A person's unusual behavior, such as holding weapons or engaging in abuse or molestation, is noticed and may pose a threat. This model utilizing neural network technology has been put out that, when fed input from a live camera feed, can automatically detect people displaying the suspicious behavior.

Keywords: Behavioral Analysis, Security, Machine Learning, Image Processing,
Neural Networks.

EDUGOAL – EDUCATION ORIENTED 2D PLATFORMER GAME

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ABSTRACT:
It is a common problem in today‘s world that attention span towards learning is decreased. It is also a well known fact that people like to play games for longer periods of time. And combining these two ideas is what EduGoal does. It is a 2D platformer game with quizzes that gives you more chances to play if you answer more questions correctly. By making the quizzes a part of the rewarding system of the game, players will try to answer theses quizzes correctly to progress further tin the game, which will make learning more interesting.

SECURING DATA TRANSFER THROUGH HUMAN BODY WITH AUTHENTICATION

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ABSTRACT:
Now a day‟s electronic devices become smaller and lower in power Requirements, and they are less expensive. we have begun to adorn our bodies with personal information and communication appliances.Such devices include cellular phones, pagers and personal digital assistants and many more. But currently there is no such method for these kinds ofdevicestosharedata.Networking These Kinds Of devices can reduce functional I/O redundancies andallownewConveniencesandservices.Human society is entering an era of modern computing, when networks are smoothly interconnected. The implementation of ubiquitous services requires three levels of connectivity: Local Area Networks (LAN), Wide Area Networks (WAN), andHuman AreaNetworks(HAN)for connectivity to personal information, share data, media and communication appliances within the much smaller areas for communication.RedTacton is a technology that uses the surface of the human body as a high speed and safe network transmission path. So in this paper we are explainingtheuniquenewfunctionalfeaturesand enormous potential of RedTacton as
HumanArea Networking technology. Here, the human body acts as a transmission medium supporting half duplex communication at10Mbit/s.
Keywords: RedTacton, Electric field sensing.

SMART SUPERMARKET BILLING AUTOMATION SYSTEM

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ABSTRACT:
The idea of this paper is to create a supermarket automation system for billing system using customer's mobile by scanning the barcode or QR code pasted in the products' wrappers. Barcode will be decoded and then data will be fetched from the stock management system of the supermarket server which is integrated already and it will be taken to the payment steps. Payment can be done using the payment gateway to support various types of payment modes like debit card, credit card, UPI etc. The objective of this is to reduce the waiting time in the billing counter and customers can make their payment just after they completes their purchase.

AUTOMATION ON PO AND HANDLING OF STOCKS ON RETAILS

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ABSTRACT:
Future sales forecasting is a crucial component of every organisation. Accurate prediction of future sales help companies to develop and improve business strategies as well as to gain proper market knowledge.
Standard sales projections let companies analyse historical scenarios and then apply client purchases. Before budgeting, inferences are used to detect shortfalls and weaknesses, as well as to construct a good strategy for the following year. A detailed knowledge of past opportunities permits one to plan for future market needs and increase the possibility of success

HERITAGE IDENTIFICATION AND E-TICKET ENTRY SYSTEM FOR MONUMENTS

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ABSTRACT:
The purpose of an online booking system is to allow potential customers to self-book and pay through your website, securely store customer data, organize the data, and provide customer support 24/7 for a better customer experience. An online booking system is so much more than just a piece of software that reserves an appointment. It provides a smooth and professional e-ticket booking experience. The e-ticket concept is attractive to both customers and service providers. Faster and more convenient verification of a Ticket. This paper shows basic ticketing implementation concepts and shows some examples of ticketing system implementations in the culture and tourism sectors.

SOFTWARE MONITORING SYSTEM

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ABSTRACT:
Developing a security authorization system, this system can be used to verify the identity of users and grant them access to specific software or resources. The system can be designed to work with a variety of different platforms and devices, making it a versatile tool for colleges and organizations. There are many ways to develop a security authorization system. Once the user is logged in, they can then access the system. To develop a security authorization system, this system requires the user to provide a log in details and verify using e-authentication using QR code and OTP. This system gives access to the specific software which was already programmed by the admin. If the user accidentally or intentionally access any other software or resources, it shows to the admin system. So, we can identify and send the user an alert message. The admin system has the ability to identify the user and send private message as well. The admin system has the control to update the access of the software to the user. To assist the user and admin system there is a AI chatbot used to guide and for any cases admin system not active AI chatbot will give the instruction to the user.

QUEST JITNEY

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ABSTRACT:
Now a days , public transportation plays a major role in transportation facility , it provides a moving facility from one place to another easily and better transport planning for public . In this busy world , we waiting for transport without the awareness of either there is seat availability in buses and also not knowing about current location of the bus . In school buses , not worry about the seats but tracking must need for students for their safety . There is advanced tracking system in school buses, in some of school have camera for their students safety in our country and other country also. There is tracking system in public transport like uber in other states. Bus ticket is important to all passengers ,if they travel in public transport.In this project , we proposed a mobile application for students as well as passengers who are travel in public transport . We implement a tracking system for passengers , they also track their bus where it comes ,and how long to reach their destination , they can track distance between them and bus. We fix a camera in buses for to calculate how many seats remain left and also prevent from theft , protect girls/women from harassement. In this system , we also implement a ticketing system for passengers, because of rush in bus , they are not able to collect the ticket in correct time before bus checker. In this system , we provide easy ticketing system , they can easily collect ticket without conductor using smartcard system.

DRM PROTECTION AND FILE ORIGINATION VERIFICATION

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ABSTRACT:

The rapid development of data transfer through the internet made it easier to send the data accurately and faster to the destination. There are many transmission media to transfer the data to destinations like emails; at the same time, it may be easier to modify and misuse the valuable information through hacking The last few years have witnessed a vast evolution in the communication and computational fields. The presence of social media makes data transferring more easier, which raises a flag of unauthorized usage and redistribution of digital contents. This copyright scenario is hardly affecting the publishing rights of authors and publishers. This paper presents a robust framework that protects the copyright property by embedding the user information into the video file so that if downloaded, the user responsible for the piracy can be traced.

PETROL WALLET

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ABSTRACT:

This project is mainly used for petrol bunks. In petrol bunks, people should neither attend the receiving calls nor make calls. Because the signal radiation from mobile phones flame the petrol that may leads to exploitation of bunks. To avoid these type of accidents, signal resistors are going to be fixed in the bunks. So the people can't make calls. A signal resistor is an electrical component that limits or regulates the flow of electrical current in an electronic circuit. When the signal resistors are fixed, people can't make calls, with that they also can't make online transactions like Google pay, Phonepe, etc in the bunks. Because these payment apps are work via internet. Here, a mobile wallet is going to be created for offline payments named as PETROL WALLET. So the bunk accidents can be prevented.

CO 2 REDUCTION USING INTERNET OF THINGS

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ABSTRACT:

The world is facing a lot of issues because of the CO 2 emissions from factories and the vehicles. Most of the CO 2 is released from the combustion of the fuel used in our vehicles that leads to many ill effects as global warming, melting of glaciers, respiratory diseases, air pollution, changing of weather patterns. Capturing this carbon dioxide and turning this into an commercial product is our motive. Via using IOT we are doing this. Climate change is a central issue in domestic and international policy, affecting trade, environment, and energy supply strategy. The predominant contributor to climate change is anthropogenic emissions of carbon dioxide (CO 2). Retrofittable processes that capture CO 2 from flue gas of coal burning power plants, cement plants and steel plants can lead to significant reductions in CO 2 emissions and help reverse climate change. The SkyMine- process relies on well-understood chemical reactions and unit operations to capture and mineralize CO 2 at a competitive energy penalty. The process includes the production of marketable chemicals such as hydrogen, chlorine, and sodium bicarbonate. The process also prevents the release of the acid gases associated with the burning of coal, regulated heavy metals like mercury, and other not yet regulated heavy metals like selenium, chromium. The combination of remediating CO 2 , acid gases, and metals yields an all-in-one cost effective, profitable solution. The chemistry, thermodynamics, material balance and financials for the SkyMine might return CO 2 to the world. In our solution, the CO 2 is converted into carbon, which in turn is a marketable product, and that product can help us generate revenue for the project's further implementation financially. The existing product captures many gases in atmosphere, making the process into a whole method is implemented and monitored using IOT. Our result yields the marketable carbon from the atmospheric CO 2. cumbersome one. The separation of CO 2 is done using charcoal and the

PERSONAL MICRO-MOBILITY SYSTEM

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ABSTRACT:
Micro-mobility transportation systems for individual usage have grown in popularity recently, with the Hoverboard" device being the most well- liked [1]. These systems are flexible, small, and efficient for personal transportation in a range of settings. With the use of an Accelerometer sensor, an Arduino UNO, an Arduino Nano, a 12V battery, and a Wiper motor, this project will construct a personal micro- mobility system electric vehicle in the shape of a rectangular grid. Two folding pads make up this rectangular grid, which when opened forms a platform for seating. The system also includes a seating configuration. With the sensor imprinted on gloves, the operator may control the system's speed and direction by making hand gestures. The goal of this project is to create and manage a straightforward, inexpensive self-transportation system.

Keywords - Micro-mobility, Accelerometer sensor, Arduino Nano, Wiper motor, Hand-gestures

NeRF[Neural Radiance Field]

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ABSTRACT:
Considering how youthful the innovation is, it is beyond any doubt to cause a few talk about around the way to characterize it and clarify it in a way that individuals can effectively get it. NeRF, like photogrammetry, is utilized to make realistic scenes, and it is additionally 'designed to create volumetric representations of a scene, and render high- resolution photorealistic novel sees of genuine objects and scenery.' So where photogrammetry requires covering symbolism from every angle. Within the race between NeRF vs photogrammetry, NeRF is sailing ahead. It could be a neural rendering system that learns a 3D scene in seconds and renders that scene in unimportant milliseconds. The method takes after the same basics as photogrammetry, starting with covering high-resolution symbolism or recordings. In any case, NeRF vs photogrammetry, doesn't require each picture to be 50% covered. So whereas covers are still required, AI makes a difference out by filling within the small crevices cleared out behind. NeRF will be utilized within the same areas as listed over, but given the availability (as close to everyone owns a smartphone and with computer program getting to be cheaper with advertise extension) the method isn't as it were restricted to experts. Neural Brilliance Areas (NeRF) are neural systems able of creating 3D pictures or scenes from a set of 2D pictures. Utilizing spatial area and volumetric rendering, the demonstrate employments the camera posture from the pictures to render the 3D space of the scene. You'll create a scene in seconds and the longer the show trains the more subtle elements of a scene are rendered..

AUGMENTED REALITY-BASED ONLINE CLASSES FOR PRIMARY SCHOOL KIDS

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ABSTRACT:

In this pandemic situation, all countries in the world are in quarantine and can'T move their legs outside for work. But the Tech Industries and Educational Institutes didn't stop their daily routine. Many new tools like video conferencing technologies have been developed and brought up online. Students from higher secondary institutes are not attentive in their online classes due to a lack of visualization in mathematics. In this proposed system, by using augmented reality, students can visualize and be interactive in their classes. Some students may have the latest mobile devices and others may have older devices. Using mobile applications for AR needs to download extra data and install it in prior and also it does not support cross- platforms like IOS and Android. In comparison, Web AR (Web-based AR application) can be platform-independent. This makes augmented reality work on older devices too. In this fast- growing mobile and wireless technology, Web AR has more consumer industry in this 21st century. As we all know that video conferencing and augmented reality applications are two different technologies that are used individually, here in the proposed system both the technologies are combined and executed simultaneously online with the help of Web AR. Using this strategy, teachers can interact with students without any interruption caused during switching applications. Our proposed system is mathematical classes more interesting and understandable for primary class students. And also make an augmented reality in an online conference. There is no need for additional hardware to experience AR in the web application. The user only needs a computer or a smart device with good internet speed to access the internet.

Session Details

The Institution of Engineers (India)

IE(I) Sponsored All India Conference on Recent Trends in Information and Communication Technology"
15-03-2023 & 16-03-2023
Organized by
The Institution of Engineers (India)
Kanchepuram Local Centre
under the aegis of Computer Engineering Division in association with
Department of Information Technology,SriSairam Institute of Technology,Chennai

Program Schedule

10.30 A.M.	*ThamizhthaiVazhthu*	
10.35 A.M.	*Lightening of Kuthuvilaku*	*All the Dignitaries*
10.40 A.M.	*Welcome Address*	*Dr.K.Palanikumar* *Principal* *Sri Sairam Institute of Technology*
10.45 A.M.	*Honoring the Chief Guests and Guest of Honor*	*Dr.K.Palanikumar* *Principal* *Sri Sairam Institute of Technology*
10:50 A.M.	*Inaugural Address by Guest of Honour*	*Dr.D.Elango* *National Council Member and Chairman, IE(I) KLC.*
11.30 A.M.	*Keynote Session by Chief Guest*	*Mr.Arulselvar Thomas* *Founder and Director* *Briskinfosec,Chennai*
12.30 P.M.	*Vote of Thanks*	*Dr. G. ShanmugaSundar, FIE* *Honarary Secretary* *IEI-KLC*

Day-1 (Inauguration Session) Inauguralprogramme	Time: 10:30 AM -11:00 AM
	Inaugural Address by: **Dr.D.Elango**,National Council Member and Chairman, IE(I) KLC
TEA BREAK	11:00 AM – 11:15 AM
Day-1 (Technical Session I)	Time: 11:30 AM – 12:30 PM
	Keynote Session by Mr.Arulselvar Thomas Founder and Director Briskinfosec,Chennai
LUNCH BREAK	12:30 PM – 1:30 PM
Day-1 (Technical Session II)	TIME:1:30 PM-4:00PM
	Paper presentation (Venue-Smart Classroom,Ground Floor) Session Chair Dr.D.MurugaRadha Devi Professor,Dept of IT Mrs.B.Deepa ,Assistant Professor,Dept of IT
Day-1 (Technical Session III)	TIME:1:30 PM-4:00PM
	Paper presentation (AV Hall,First Floor) Session Chair Dr.D.Gokulakrishnan,AssocProfessor,Dept of IT Mr.R.Sampath,AssistantProfessor,Dept of IT
Day-1 (Technical Session IV)	TIME:1:30 PM-4:00PM
	Paper presentation (Innovation Lab,ITDept,Second Floor) Session Chair Mrs.P.Sharmila,AssistantProfessor,Dept of IT Mrs.C.Rekha,AssistantProfessor,Dept of IT
Day-2 (Technical Session V)	TIME:9:30 AM-11:00 AM
	Keynote session:Dr.V.BrindhaDevi,Prof&Head,Dept of IT
TEA BREAK	11:00 AM – 11:15 AM
LUNCH BREAK	12:30 PM – 1:30 PM
Day-2 (Technical Session VI)	TIME:1:30 PM-3:30 PM
	Paper presentation (Venue-Smart Classroom,Ground Floor) Session Chair Dr.J M Nandhini,AssocProfessor,Dept of IT Mrs.K.Anuratha,AssocProfessor,Dept of IT
Day-2 (Technical Session VII)	TIME:1:30 PM-3:30 PM
	Paper presentation (AV Hall,First Floor) Session Chair Mrs.A.Ponmalar,AssocProfessor,Dept of IT Mrs.P.LeelaJancy,AssistantProfessor,Dept of IT
Day-2 (Technical SessionVIII)	TIME:1:30 PM-3:30 PM
	Paper presentation (Innovation Lab,ITDept,Second Floor) Session Chair Mrs.R.Prabhavathi,AssistantProfessor,Dept of IT Mrs.P.Subha,AssistantProfessor,Dept of IT
Day-2 Valedictory function	TIME:3:30 PM-4:00 PM
	Valedictory Function Valedictory Address by Dr.G.ShanmugaSundaram, Honorary Secretary, IE(I) KLC.

Outcome of the program

All India conference on **Recent Trends in information and communication technology** on 15.03.2023 & 16.03.2023 is hosted by The Institution of Engineers (IEI) of Kanchipuram Local Center under the aegis of Computer Engineering Division in association with the Department Of Information Technology of Sri Sairam Institute of Technology for the Upliftment of engineering knowledge through papers. For this conference, we have received over a hundred papers. The papers received are from various domains like Cloud Computing, Data Science, IoT, Artificial Intelligence, Machine Learning, Deep Learning etc. Out of a hundred papers we have shortlisted over fifty papers. It is essential to have a project selection process to ensure that resources which are invested in the paper are aligned with the organization's goals and have the potential to deliver value. The process of paper selection is accomplished based on their Potential Value, Strategic fit, Plagiarism, Feasibility, Scope in future, Quality of content and Impact on society.