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1.	2022-2023	Books published & Conference Proceedings	2

(54) Title of the invention : AI AND IMAGE PROCESSING BASED HAIR SAMPLE ANALYZING KIT

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(57) Abstract :
The invention is a carriable kit for analysing hair samples employing high resolution camera based image processing to obtain health parameters. A lot of medical parameters can be obtained from an individual's hair. The parameters include thickness, texture and coloration among others. Ensemble machine learning based image processing approach is employed to infer valuable health details from hair sample. A single hair can give a lot of information about the person. The hair on a person's head grows 2-6 years before falling out. Many tiny blood vessels feed the base of each strand. During that time, the hair shaft absorbs chemicals from any drugs the person takes. A hair analysis uses special techniques to look closely at the person's hair under a microscope. The results can show details about the person's health and habits. Details including drug usage, heavy metals presence, some genetic disorders, hypothyroidism and anaemia can be assessed from hair sample. The high resolution image data of hair samples obtained from the camera is uploaded into the computing unit employing an USB cable. The trained ensemble machine learning based image processing algorithm running on the computing unit generates a detailed health report based on the image data. This report is uploaded into the cloud server employing an inbuilt IoT module in the computing unit. There is an inbuilt battery in the computing unit box to power the whole system.

No. of Pages : 7 No. of Claims : 5

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2.4 Smart Energy Meter for Smart Grid with Hybrid Sources

Sreelakshmi P, Ambili B S, Padmaraj P R, Vivek A,Rajesh P

Nehru College of Engineering and Research Centre, Thrissur

The amount of electricity consumption is rising day by day and simultaneously the amount of electricity wasted is also rising. This paper aims to introduce a smart energy meter for microgrid with hybrid sources, which mainly tries to solve following main issues –

  To automatically switch between the source

  To remotely monitor energy usage anytime anywhere

  To prepay the energy bill and predict the energy usage

  To trip down when fault is detected

  To automatically switch between loads on priority base

In this system a prepaid energy meter is installed in the house, which enables the system to communicate with the user. The user can monitor their real time energy usage through a web interface. The data like power consumption, available balance, individual current usage and status of depended source are uploaded to the web. So the users can monitor and reduce their consumption and also the errors while acquiring the meter reading is also solved.

2.5 BCI Signal Processing For Denoising Brain Signal

Aathira R Kurup, Baulkani S

Government College of Engineering, Thirunelveli

This paper presents a method for denoising brain signals using BCI signal processing techniques in Alzheimer's disease patients. The method utilizes various signal processing techniques such as wavelet decomposition, spectral analysis, and adaptive filtering to remove noise from the recorded signals. The denoising of brain signals is an important step for analyzing the brain's electrical activity and understanding the pathological changes associated with Alzheimer's disease. The proposed method can help in enhancing the accuracy of diagnosis, treatment, and monitoring of the disease.

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2.6 Transmission Line Fault Detection and Automatic Disconnection using Webserver

Sundaramoorthi P, Mufeedha Sireen M S, Navya P V, Sreejith P, Ajith P

Nehru College of Engineering and Research Centre, Thrissur

A Microcontroller based transmission line fault detection system that send information and classification of fault to the electricity board. When a fault occurs, the insulating path and conducting path get affected, which causes a short circuit and an open circuit in the conductor. During ideal operating conditions, the power system equipment operated at normal voltage and current ratings. But in faulty conditions, the voltage and current values swing from their reference values. Normally, our power system is protected by switchgear and protection equipment like relays, circuit breakers, and fuses to reduce losses of service due to electrical failure after the occurrence of faults. In this project, a web-server-based fault detection system is used to sufficiently and accurately indicate the fault that occurred in the transmission system. The proposed system has various protective equipment, a voltage and current sense section, a microcontroller section, an LCD display section, and a web server. This system will help the electricity board and service men in that area detect the fault in a short time and avoid transformer damage. In this system, various pieces of equipment are used, such as a current transformer, a potential transformer, a microcontroller, a relay IC, and a voltage regulator. The faults are detected, analysed, and classified automatically by this system with the help of a microcontroller. This system also gives information about which type of fault occurred in the transmission line, such as L-L (line to line), L-G (line to ground), L-L-G (double line to ground), L-L-L, and L-LL-G (symmetrical fault). And this information is sent to the service provider's substation via a web server. In this paper, we have designed a microcontroller-based transmission line fault detection

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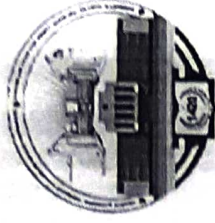Thiruvilwamala, Thrissur - 680588

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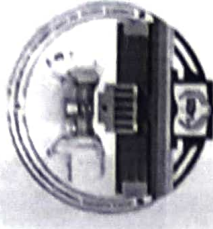Thiruvilwamala, Thrissur - 680588

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Dr. R. Brindha, with 16 years of teaching experience, works at Sri Ramakrishna Engineering College, Coimbatore. She has completed her M.A., M.Phil., MBA, and Ph.D. from Bharathiar University. She completed her Ph.D. in English Language Teaching (ELT). She is a certified trainer for the Business English Certificate (BEC) and has passed the TKT (Teaching Knowledge Test) in band three, certified by Cambridge University. In addition to her extensive online certification experience, she has also published several papers at national and international conferences and passed multiple NPTEL exams. For her dedication to ongoing education, she was recognised by Cambridge Assessment English with a webinar badge. She is an active member of the Indian Society for Technical Education and ELT@I.

Tarun Goma B.A, M.A, PGD, Tarun Goma is a Ph.D. Research Scholar in Galgotias University, Greater Noida, India. He has Completed B.A in Political Science from Sathaye College, Mumbai University, India. He has Completed Masters in Journalism and Mass Communication from Guru Jambheshwar University, Hissar Haryana. He did Post Graduation Diploma in Radio and Television Journalism (RTVJ) From Bhartiya Vidya Bhavan, Mandi House, Delhi. He also published 5 research papers in reputed journals, 2 Book Chapters, 4 Books and 4 international Conferences.
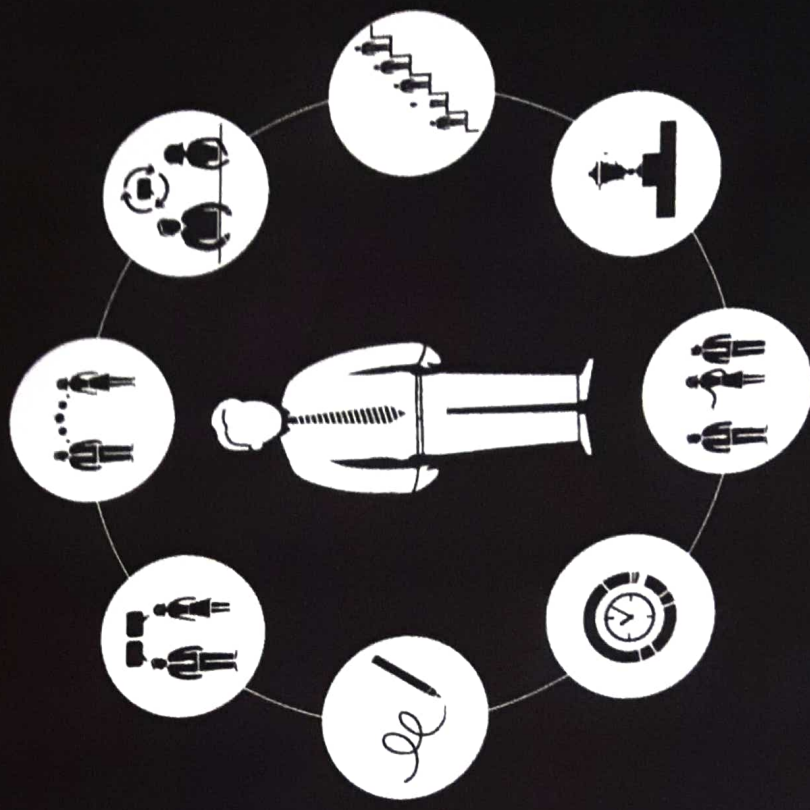
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Sudipto Guchait is an Influencer, YouTuber, Author, Finance Consultant, Investor, Entrepreneur and a Senior Manager in a multinational European bank. A Mechanical Engineer by profession who once born with a golden spoon in his mouth, fell face down after passing from college when he discovered losing everything his family owned. A phase in life that taught him the importance of money. He soon moved off from his core field of study to pursue & grapple the indepth concept of finance, starting a new career in life working with one of the largest European Bank and consequently opening up few startups, all of which capsized. 2005 - Disheartened but rich in experience he dedicated his life to Personal Finance & Finance Planning Consultant and re-initiating his vigour to launch new businesses. At Present - Well settled in his Job & in his professional career as a Finance Consultant and an Entrepreneur - he now aims to see the entire country successfully managing and growing their personal wealth.

Siddhartha Bose is an Influencer, Author, and Associate Vice President of a multinational European bank. For him, it is a matter of promoting Indian comic books in the best possible way. Speaking engagements include "Comics & You with Siddhartha Bose," which was featured on YouTube's front page and has now gone on to become a staple. He graduated from Banaras Hindu University with a Bachelor's degree in Arts in Statistics (Hons.). After that, he obtained a Master's degree in Business Administration from Uttar Pradesh Technical University, Lucknow, Uttar Pradesh, India. As well as s ITIL, Prince2 Practitioner, and the ISO 270001 certifications prove he is a certified IT professional. He is currently enrolled in the Mittal School of Business at the Lovely Professional University in Punjab, India, where he plans to earn his Ph.D. in Management. For his current research interests, he focuses on the Indian Comics Industry and ways to promote comics culture by further reading and a better understanding of the gaps and benefits of reading in India. Let's bring comics back to its glory

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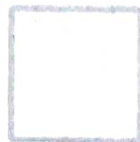
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DIGITAL HEDONISTIC HYPER CONSUMPTION- HAILING TOWARDS ANTI HUMANISM

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Co Author: Dr.Suriakala, Associate Professor, Nehru School of Management,Nehru College of Engineering & Research Center, Pampady, Kerala.

ABSTRACT

We can attain the culture of mindfulness of our needs other than greediness as beautifully grasped in the words of Mahatma Gandhi "The earth has enough resources for everyone's needs but not for everyone's greed". The concept of consumerism emerged after the Industrial Revolution when a wide variety of mass-produced goods became increasingly accessible to almost everyone. It led to increased economic growth, more jobs, and more choices for consumers. As mass production of goods rapidly increased, there needed to be an equal demand to keep the economy growing. In other words, more people needed to buy stuff in order to keep production, employment, and profit flowing. So society found a way to turn people into **consumers** and convince them to buy things they don't really need, explains Richard Robbins in his book, Global Problems and The Culture of Capitalism. Enter **hyper-consumerism** and the need to buy and own. We want bigger houses, flashier cars, more clothes, the latest phone, etc. We buy things we don't need just because there's a blowout sale and we're afraid to miss out. It never ends: there's always something else to want, and to buy. We may not believe that we seek fulfillment in acquiring more, but our actions would argue otherwise. We believe things what we buy will change our lives, improve our relationship, boost our self esteem, make us happier and joy. The joy often short lived. This conceptual paper focused on greedy nature cultivated by hyper consumption reduces human beings to the level of being pleasure seekers and utility oriented at the expense of searching for the ultimate good for appropriate human flourishing.

Key words: Hyper consumption, Materialism, consumption, Hedonism, declutter

Introduction: Euro RSCG Worldwide undertook a seven-market study to better understand an emerging shift towards what we refer to as mindful consumption. Whereas in recent decades our spending had been quick and unthinking (I see, therefore I buy), now it is becoming more conscious and considered.
The following patterns forms the basis of new book, **Consumed: Rethinking Business in the Era of Mindful Spending.**
They discovered that this change in consumption reflects far more than a desire for savings or anxiety over an uncertain future; people are experiencing a deep-seated discontent and desire for change. Among the 1,500 Americans we surveyed, for example,

1.Two-thirds said society is moving in **the wrong direction**

2. while eight in ten complained that people have **become too shallow**

3. Focusing too much on things that **don't really matter**.

4. Three-quarters worry that people have grown **intellectually lazy**.

5.More surprising, two-thirds actually see an *upside* to the recession, saying it has served to remind people of what is really important in life.

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APPLICANT NAME	PROF. Dr. KRISHNA KUMAR TP
TITLE OF INVENTION	MODELLING CUSTOMER DEMAND IN EBUSINESS PLATFORM THROUGH IMPROVISED TECHNIQUES
FIELD OF INVENTION	COMPUTER SCIENCE
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Application Status

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TravelBuddy

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ABSTRACT

The Travel Buddy application enables users to locate distinct places to visit. They get a detailed description of the site along with the nearby places that they can see. Using this application, the user can select a location to see and get all information regarding that place. Whether it's bus stations, restaurants, hotel rooms, famous places, or the site's history, all you can get in the same place. The Android Travel buddy App design is entirely interactive and smooth and allows the user to figure out things quickly. The Android application "Travel buddy" is a comprehensive travel guide designed to assist users in exploring and discovering new places. The application offers a wealth of information about popular tourist destinations, historical landmarks, local cuisine, and cultural experiences. Users can plan their itinerary, book tickets, and find the best accommodations based on their preferences and budget. Tour Guide offers users a variety of features that make traveling easier and more enjoyable. For example, the application provides detailed information on nearby attractions, including historical facts and stories. Users can also access audio and visual guides that provide additional insights into the history and culture of each location. With its intuitive interface and user-friendly design, Tour Guide is easy to use for travellers of all ages and backgrounds. Whether traveling solo or with a group, Tour Guide is the perfect companion for anyone looking to make the most of their travels.

INTRODUCTION

The concept of tour guides has been around for centuries, with the earliest recorded instances dating back to ancient Greece and Rome. In those times, tour guides were typically locals or scholars who provided travellers with insights into the culture and history of the region.
Over time, tour guides became a more formal profession, with individuals trained to provide guided tours and information to travellers. The advent of mass tourism in the 19th century saw the rise of commercial tour guides, who offered packaged tours to popular destinations.

AUTOMATED LICENSE PLATE RECOGNITION FOR MOTORCYCLISTS WITHOUT HELMETS

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ABSTRACT

Helmet detection method is a combination of classification and cluster. Helmet detection is an important, yet challenging vision task. It is a critical part in many applications such as traffic surveillance. Our proposed method work is as follows, Pre-processing, Feature Extraction and classification. We demonstrate our proposed work by using surveillance traffic videos. Finally, our method will classify whether the person is wearing helmet or not. As far as the robustness and effectiveness are concerned, our method is better than the existing algorithms. The project presents license plate recognition system using connected component analysis and template matching model for accurate identification. Automatic license plate recognition (ALPR) is the extraction of vehicle license plate information from an image. This system model uses already captured images for this recognition process. First the recognition system starts with character identification based on numberplate extraction, Splitting characters and template matching. ALPR as a real life application has to quickly and successfully process license plates under different environmental conditions.

INTRODUCTION

Two-wheeler is a very popular mode of transportation in almost every country. However, there is a high risk involved because of less protection. To reduce the involved risk, it is highly desirable for bike-riders to use helmet. Observing the usefulness of helmet, Governments have made it a punishable offense to ride a bike without helmet and have adopted manual strategies to catch the violators. However, the existing video surveillance based and AI camera based methods are either passive and require significant human assistance or needs costly equipment. In general, such systems are infeasible. Automation of this process is highly required for reliable and robust monitoring of these violations but also have to be cost effective in such a way that it can be implemented in small organisations like colleges, industrial companies etc. to ensure peoples safety.

Automated License Plate Recognition (ALPR) is a technology that uses optical character
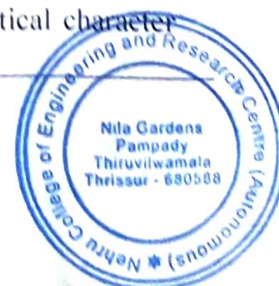
DESIGNING A MEACHINE LEARNING APPLICATION 'DROWZ DET' TO AVOID VEHICLE ACCIDENT

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ABSTRACT

On an average 1200 road accidents record daily in India out of which 400 leads to direct death and rest gets effected badly. The major reason of these accidents is drowsiness caused by both sleep and alcohol. Due to driving for long time or intoxication, drivers might feel sleepy which is the biggest distraction for them while driving. This distraction might cost death of driver and other passengers in the vehicle and at the same time it also causes death of people in the other vehicles and pedestrians too. This mistake of one person on road would take their own life and also takes lives of other and put respective families in sorrow and tough situations.

To prevent such accidents I, propose a system which alerts the driver if he/she feels drowsy. To accomplish this, we implement the solution using computer-vision based machine learning model. The driver's face is detected by face recognition algorithm continuously using a camera and the face of the driver is captured. The face of the driver is given as input to a classification algorithm which is trained with a data set of images of drowsy and non-drowsy faces. The algorithm uses landmark detection to classify the face as drowsy or not drowsy. If the driver's face is drowsy, a voice alert is generated by the system. This alert can make the driver aware that he/she is feeling drowsy and the necessary actions can then be taken by the driver. This system can be used in any vehicle on the road to ensure safety of the people who are travelling and prevent accidents which are caused due to the drowsiness of the driver.

INTRODUCTION

Drowsiness is a state of near sleep, where the person has a strong desire for sleep. It has two distinct meanings, referring both to the usual state preceding falling asleep and the chronic condition referring to being in that state independent of a daily rhythm. Sleepiness can be dangerous when performing tasks that require constant concentration, such as driving a vehicle. When a person is sufficiently fatigue while driving, they will experience drowsiness and this leads to increase the factor of road accident.

MISSING CHILD IDENTIFICATION SYSTEM BASED ON ADVANCED FACIAL RECOGNITION AND MACHINE LEARNING

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ABSTRACT

This research proposes utilising deep learning to discover missing Indian children by comparing uploaded photos to a database of missing children. A VGG face deep architecture that has already been trained is used to train a Convolutional Neural Network (CNN) to recognise faces. The programme allows users to upload pictures of kids who look suspicious along with landmarks and other details. It also allows law enforcement or other authorities to view details about kids who have vanished. The programme automatically compares the supplied photo with the pictures of missing kids in the database and selects the best match.

INTRODUCTION

One of the most traumatic situations that any family may go through is the disappearance of a kid. It can take a lifetime to recover from the uncertainty and suffering that ensues. According to the International Centre for Missing & Exploited Children (ICMEC), over 8 million children worldwide go missing each year.

Coordination and cooperation between law enforcement authorities, child welfare organisations, and communities are necessary for the complicated and difficult process of finding and recovering missing children. Traditional approaches, such as handing out posters and organising search parties, have limits and frequently fail to find missing children. More sophisticated and creative approach to missing child identification is becoming increasingly necessary to deal with this problem. Emerging technologies, including facial recognition and machine learning, offer the potential to increase the precision and speed of identification attempts, improving the chances of successful recoveries. In compared to other biometrics like finger print and iris popularity systems, the proposed system is a comparatively simple, affordable, and reliable method.

The current state of missing children identification systems will be examined in this paper, along with the difficulties and restrictions of conventional approaches and the possibilities of cutting-edge technologies. We will also look at ethical issues surrounding the application of these technologies. We will wrap up with suggestions for enhancing efforts to locate missing

HEART DISEASE PREDICTION
USING MACHINE LEARNING

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ABSTRACT

The main aim of heart disease prediction using machine learning is to develop a model that can accurately predict the likelihood of a person developing heart disease based on their health data. By identifying the risk factors associated with heart disease, healthcare professionals can take preventative measures to reduce the risk of developing heart disease and improve patient outcomes. The prediction of heart disease using machine learning algorithms can help doctors and medical professionals make informed decisions regarding diagnosis, treatment, and management of patients with heart disease. Heart disease prediction using machine learning is a growing area of research that aims to develop models that can accurately predict the risk of heart disease using patient health data. The process involves collecting a dataset containing various features related to heart disease, cleaning and preparing the data, exploring the data using statistical and visualization techniques, selecting relevant features, choosing an appropriate machine learning algorithm, training the model, and evaluating its performance. The goal of heart disease prediction using machine learning is to provide healthcare professionals with a tool to help identify patients who are at high risk of developing heart disease and take preventative measures to reduce the risk of heart disease. This can ultimately improve patient outcomes and reduce the burden of heart disease on the healthcare system.

INTRODUCTION

Heart disease is a leading cause of death worldwide. It is a complex condition with multiple risk factors that can be difficult to identify through traditional diagnostic methods. However, with the advancements in machine learning techniques, it is possible to accurately predict the likelihood of an individual developing heart disease. Heart disease prediction using machine learning involves training algorithms to identify patterns in large datasets of patient information. These patterns can then be used to develop predictive models that can help healthcare providers make informed decisions about patient care and management. Some

HIGH TECH REGULATION CLASSIFICATION PORTAL

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ABSTRACT

There is a rise in the amount of crime in our country and most of the people are unaware of the criminal laws under IPC (Indian Penal Code). Therefore it becomes necessary to make the citizens aware of all kinds of laws put forth by our constitution against crime so that people come forward to register case against it. This project is executed especially for this purpose. The project online law system is a software system that contains all the laws of IPC so that people can come and search for the law for respective crime. The laws are categorized into different sections according to some keywords. There is also search option available where user can find or search according to his requirement by entering his query. There is also a facility available for users to get contact of lawyers. An enquiry form is also provided where user can ask their query and can also register case and the form is sent to the court authority. This project also contains information of all the respective courts in area for respective crimes. This online system is developed on python platform and supported by a Sql database to store user specific details

INTRODUCTION

There is a rise in the amount of crime in our country and most of the people are unaware of the criminal laws under IPC (Indian Penal Code). Therefore it becomes necessary to make the citizens aware of all kinds of laws put forth by our constitution against crime so that people come forward to register case against it. This HI-TECH REGULATION CLASSIFICATION PORTAL enables the end users to register online, view and refer different law details.

WEB APPLICATION FOR CONNECTING
PEOPLE TO METRO

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ABSTRACT

Metro connect is a web application that offers an effective method to make the public utilize the public services provided by the government. In metropolitan cities, the usage of private vehicles causes an increase in the rate of pollution day by day. The Metro Interconnection Intelligent System is a business intelligence system. It promotes the public to avail the public transport services, thereby reducing the traffic as well as pollution. The proposed system allows finding out the nearest metro station which has an available parking slot. It also connects the metro to other means of transport such as auto, taxis, buses, etc. In this system, we provide a metro ticket which can also be used in other means of transport. Thus the system offers an effective method to make the public utilize the public services provided by the government. Transportation plays a major role in our day-to-day life. This paper aims to develop a transaction process through online payment instead of a manual process. We can reduce the difficulty of people that is the carriage of tickets during their travel by use of E-ticketing. The use of metro cards reduces the time consumed during manual ticket generation, but the commuters must always ensure to carry the card with them during their journey. Our system enables commuters to manage their reservation and cancellation. The idea for developing this project is to provide a secured and updated ticket booking procedure that will focus on Economical. Technical. and Operational feasibility.

INTRODUCTION

To travel in metro rail stations at the moment, one needs a ticket or token. The consumer must stand in queue before purchasing a ticket for the intended location. Until they reach their destination, they must keep the ticket on them. The authorities will penalise them if they fail to pick up the ticket in the middle. The method is that they employ a token system in which an RFID tag is utilised to provide each member a special ID. Before boarding the train, the passenger must scan the token. Before permitting the passenger to continue, the system will read the tag and check its validity. The token is then verified after that. Additionally, the traveller is unable to end the trip before reaching his destination. When the traveller gets at their destination, they must scan the token once. If the journey is legitimate, the gates will open. If not, the gates won't open. In the instance of Customers, nobody was aware of the
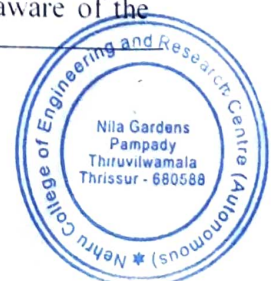
VIGILATE FOR RABBLES

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ABSTRACT

Now a days forest department fix camera at different location to capture wild animals. But the problem is that animals which captured can be view only by concerned forest officers. News about arrival of wild animals reaches to common people only through newspaper or news channels. So, it is difficult to take enough precautions against wild animal attack. Vigilante for rabble is an animal detection and alert system which aimed at classifying animals as harmful and harmless and invoking diverse stages of alerts when they are nearing to the human habitat. The motivation for this project is to build an automatic system for detection and recognizing animal species for wild life farmers and peoples. In this project a combination of both domestic and wild animals is considered. The system provides facility to access information about nearby hospitals, krishibhavan, forestry according to their needs, within less time and no cost. The website is intended to do different tasks i.e., Track, claims, send message and search. Claims management keeps track of all the farmers and people related claims. It includes new complaint registration, listing complaints, checking status. At first region is selected in order to place the camera. After placing the camera, the different features of the animals are extracted. That means once if the animal passes the camera detects and starts extracting each and every single feature. Then classification begins. Animals are classified according to the species. And the animal is finally recognized and thus alert goes to concerned groups (farmers, users, forestry, krishibhavan).

INTRODUCTION

Vigilate for rabble is an animal detection and alert system which aimed at classifying animals as harmful and harmless and invoking diverse stages of alerts when they are nearing to the human habitat. The system provides facility to access information about nearby hospitals, krishibhavan, forestry according to their needs, within less time and no cost. The website is

REAL TIME MOCK INTERVIEW USING DEEP LEARNING

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ABSTRACT

Real Time Mock Interview Using Deep Learning system is a web application helpful for users to practice for interviews. Nowadays many companies are conducting interviews virtually through online mode. So, this is the need of the day to develop a system where users can practice for these online interviews. This system will help candidates to practice for mock interviews by facing mock interviews. It also provides feedback including facial preference, head nodding, reaction time, speaking rate and volume to let users know their own performance within the mock interview. The system provides speech-to-text conversion for checking grammar in the candidates reply and suggests required corrections. Results are given in a graphical format by using these two or more interviews can be compared to track the progress of the candidates and corrective action will be taken in order to give better performance in the next interviews.

INTRODUCTION

Recently college graduates often have the chance to participate within the interview once they attempt to pursue further studies or find employment. So as to master all possible questions within the interview, the simplest way is to understand what sorts of questions could also be asked and practice responding to questions. Generally, college students rarely have the chance to practice interview during school. So as to extend opportunities for people to practice social skills, like admission interview and employment interview, many scholars engaged within the design and development of social skill training systems Job interviews are employed by the potential future employer as a way to work out whether the interviewee is fitted to the company's needs. To form an assessment, interviewers heavily rely on social cues, i.e. actions, conscious or unconscious, of the interviewee that have a selected meaning during a social context, like employment interview. During this paper an approach is presented to employment interview simulation environment which uses a social virtual

ONLINE CHATTING WEBSITE WITH SPAM MESSAGE DETECTION

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ABSTRACT

Spam is a hot topic for decades. After all the tech advancements still all of us stumble upon spam messages then and now. Spam has become more realistic where a normal people could not distinguish whether it is real or not. Random job offers appearing on your WhatsApp messenger from unknown source, Spam messages on every comment section of almost all the social medias. Occasionally, individuals may receive spam messages from their friends. Tech giants are spending millions to keep these spammers from their application. The project titled "ONLINE CHATTING WEBSITE WITH SPAM MESSAGE DETECTION" is aimed to provide a spam free chatting system to users. To detect and avoid spam messages we can use natural language processing and machine learning. In this system we developed a machine learning model using TF-IDF Vectorizer algorithm and Decision Tree Classifier to predict a SMS is a spam or non-spam(ham) and it was discovered that the model out performs existing models. This model is used to predict the spam messages in this online chatting website. In this website user can register and login if his request of registration is accepted by the admin. The user can send friend request to other users and can send SMS to their friends. The system evaluates messages and predicts whether they are spam or ham.

INTRODUCTION

In today's digital age, online communication has become an essential part of our daily lives. With the rise of social media platforms and online messaging apps, people now prefer to communicate with each other online rather than through traditional methods. However, while online communication has its benefits, it also has its drawbacks – spam messages. Spam messages are unwanted and irrelevant messages that fill up our inboxes and make it difficult to find and read important messages. To address this problem, we are proposing an online

GARD-AID: THE ONE-STOP GARDENING SOLUTION

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ABSTRACT

An advanced Android software called "Gard Aid: The One-Stop Gardening Solution" was created with gardeners of all levels of experience in mind. The application has a user-friendly layout and a feed page where users may post gardening-related questions, along with a photo to support those questions, and get feedback from other users. This encourages gardening enthusiasts to work together and share expertise. Additionally, the app offers comprehensive instructions on how to grow and manage different plant species, which are organized according to the type of garden, as well as a section for various gardening issues and a composting part. The app's cart area enables users to buy various plants, fertilizers, and gardening equipment, providing they have access to all the supplies required to establish and maintain a flourishing garden. The app also includes extra features like a profile section, registration, login, and a share app option. Overall, "Gard Aid: The One-Stop Gardening Solution" provides a thorough and effective tool for gardening success, making it a vital tool for both inexperienced and seasoned gardeners.

INTRODUCTION

For many years, gardening has been seen as a rewarding and soothing hobby with many advantages. including the provision of fresh produce. enhanced mental health. and decreased stress. The practice of gardening, however, may be difficult and time- and energy-consuming. Mobile applications have become a practical way to get information and help for many jobs, including gardening. as a result of the growing use of technology.

- Encourage environmentally friendly and sustainable behaviors by composting and gardening.

- Create a feed page for gardeners to collaborate and share expertise. as well as specific plant species information organized by garden type and a composting area for making compost. Cart section for buying plants, fertilizer, and related equipment.
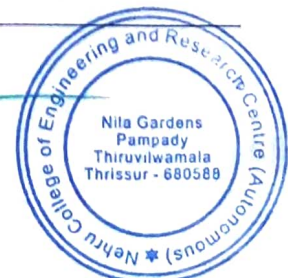
ONLINE ASSISTANCE FOR FARMING

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ABSTRACT

Farm friend is one of the finest and helpful platforms for farmers. Farmers can sell their farming equipment's or tools, machines to other farmers with their fare price and other farmers can search for their required items for a fair price and they can contact the seller to buy their items. Agents are other users of the system. Tractors, harvesters, threshing machines and other agricultural implements and equipment's are available in the custody of agents.Admin can add and update latest news related to farmers in the form of a notification. The notifications are provided to show the govt schemes and updates about agriculture that are helpful for farmers. A farmer can communicate with other farmers across India to learn more about a specific crop that is well-liked in other states. Online farming support can help novice farmers decide which farming techniques they wish to try, such as organic farming, terrace farming, tissue farming, tissue culture, etc. If they have any questions about the crop or farming, they can also ask an expert. Only the administrators should make changes to the records..

INTRODUCTION

Farmers in a region typically know little to nothing about farming and are just familiar with the crops they have been growing for a long time. The Farming Assistant website aspires to be a one-stop resource that will unite farmers across the nation to share expertise and support one another, as well as give news on agriculture to keep farmers informed of changes in their industry. With this project, our goal is to create a website that can help farmers find solutions to common issues they encounter in the field. Farmers of all experience levels can use this website to obtain help with farming-related issues. A farmer can communicate with other farmers across India to learn more about a specific crop that is well-liked in other states. The rules for farmers specify the types of farming they should practise, such as organic farming, terrace farming, tissue farming, tissue culture, etc. They also specify the crops to be grown, the cultivation techniques to utilise, the farming requirements, and other things.

SECURITY AGAINST PHISHING ATTACKS USING MACHINE LEARNING

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ABSTRACT

Phishing assaults cost internet users billions of dollars every year and are a constantly growing hazard in the cyberspace. It is illegal to gather sensitive information from consumers through a number of social engineering techniques. Email, instant messaging, pop-up messages, web pages, and other forms of communication can all be used to identify phishing tactics. This work offers a model that can determine whether a URL link is genuine or fraudulent. The data set used for the classification was sourced from the University of New Brunswick dataset bank, which has a collection of benign, spam, phishing, malware, and defacement URLs, as well as from an open source service called "Phish Tank," which contains phishing URLs in multiple formats such as CSV, JSON, etc. Phishing URLs are identified using a combination of deep neural network methods and more than six (6) machine learning models.The goal of this project is to create a web application software that can identify phishing URLs from a database of more than 5,000 URLs that have been randomly selected, divided into 80,000 training samples and 20,000 testing samples, and then separated again into equal portions of phishing and legal URLs. To distinguish between legal and phishing URLs, the URL dataset is trained and tested using feature selections like address bar-based features, domain-based features, HTML & JavaScript-based features.

INTRODUCTON

Phishing attacks are a rapidly expanding threat in the cyber world, costing internet

LIFE DENT CARE : COMPREHENSIVE DENTAL CLINIC WEBSITE FOR ENHANCED ACCESS

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ABSTRACT

The dental care clinic web application is designed to provide an efficient and user-friendly platform for patients seeking dental services. The application allows patients to schedule appointments, view their dental records, communicate with their dentist, and access dental education materials. The clinic staff can manage patient records, schedule appointments, and communicate with patients through the application. The application also features a payment system that allows patients to make payments for their services securely. Overall, the dental care clinic web application provides an all-in-one solution to enhance the patient experience and improve the efficiency of dental care delivery.

This web platform assembles a number of facilities provided by "LIFE DENT CARE", a dental clinic functioning in the district of malappuram, kerala. This clinic provides the facilities including free medical camps, insurance policies etc. The web project aims to make these services reach to the common people without any hazards. Our objective develops using PHP and MySQL as our backend database with responsive application design using HTML, CSS & JavaScript. User can use it as an android app with real-time push notifications.

LAW ENFORCEMENT WITH THE HELP OF PUBLIC ASSISTANCE

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ABSTRACT

The public is being encouraged to play a role in reducing motor law violations by capturing images of such incidents. With the increasing use of smartphones, the public now has the ability to quickly and easily capture images of motor law violations, such as reckless driving or running red lights. By capturing these images and submitting them to the appropriate authorities, the public can help increase road safety and bring those who break motor laws to justice. The authorities can use the images as evidence in court, helping to secure convictions and deter future violations. The public is reminded to act responsibly when capturing images and to prioritize their own safety. They should not attempt to take images while driving or in any other dangerous situation. This initiative is part of a larger effort to make our roads safer and to hold those who break motor laws accountable. The authorities hope that by working together with the public, they can create a safer and more responsible driving environment for everyone. Public are encouraged to participate in the program by awarding them with a small percentage of the amount from the fine remitted.

INTRODUCTION

This project aims to harness the power of citizen journalism to improve law enforcement and public safety. The project involves educating the public on what constitutes a law violation and how to capture evidence of the violation, such as taking photos. The collected evidence can then be submitted to law enforcement agencies for investigation and potential prosecution. The project could also involve the development of a mobile app or web platform where citizens can easily report violations, and law enforcement officials can access and review the submissions. The app or platform could also provide information on the progress of the investigation and any outcomes resulting from the reported violation. By involving the public in law enforcement, this project can increase community engagement and promote a sense of responsibility among citizens to uphold the law. It

DECENTRALISED VOTING APPLICATION USING BLOCKCHAIN

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ABSTRACT

At this point, technology use is crucial for assisting in meeting human needs. Given that most people today don't trust their governments and that elections are crucial in contemporary democracies, the growing use of technology has brought new challenges to democracy. Elections are crucial in deciding who will lead a country or organization, or you could say that they are the event that determines the future of any nation. Elections play a crucial role in modern democracies, but a significant concern for democracy is that large segments of society around the world lack confidence in their election process. Even the biggest democracies in the world, like India and the United States, still have unreliable voting procedures. The main problems with the current voting system are vote rigging, EVM hacking, election manipulation, and polling place theft. According to some, the blockchain is a new, decentralized, and distributed technology that has the potential to improve numerous aspects of numerous industries. The issue with the current e-voting system could be resolved by expanding it using blockchain technology.

INTRODUCTION

Electronic voting systems, which allow voters to cast ballots whenever it is most convenient using a smartphone, computer, or other electronic device, have been the subject of extensive research. However, none of these technologies have been widely adopted due to the inherent security risks or worries that these systems may pose to the fairness of the electoral process. The electronic voting system we discuss in this paper uses blockchain, a secure and reliable system that guarantees voter anonymity, transparency, and reliable operation. Electronic voting is a topic of much research and several viable schemes have been created to attempt and solve the problem. Here, we present some influential voting using blockchain and other viable voting schemes as well as the techniques they implement at the core of vote processing, their security issues and analysis that have been done on some of the protocols in this domain. Blockchain voting technologies that have emerged recently

DIAMOND QUALITY PREDICTION USING MACHINE LEARNING

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Abstract: Diamond quality prediction is a critical task in the jewelry industry as it determines the value and price of a diamond. This paper presents a comprehensive study on the application of machine learning techniques for diamond quality prediction. The study involves an exploratory analysis of different machine learning models, feature selection methods, and hyperparameter tuning techniques. The dataset used in the study is preprocessed and cleaned to ensure the quality of the data. Correlation analysis and mutual information are used for feature selection to identify the most relevant features for diamond quality prediction. Several machine learning models, including linear regression, decision trees, random forests, and neural networks, are evaluated and compared based on their performance metrics. Hyperparameter tuning is performed using grid search and random search to optimize the models' performance. The results show that the random forest model with hyperparameter tuning and feature selection outperforms the other models, achieving an accuracy of 95%. The study provides insights into the use of machine learning techniques for diamond quality prediction and presents a practical guide for the jewelry industry.

Keywords: Diamond quality prediction, Machine learning, Feature selection, Hyperparameter tuning,Correlation analysis. Mutual information, Linear regression, Decision trees ,Random forests ,Neural networks, Accuracy, Jewelry industry, Data preprocessing ,Model evaluation, Model comparison.

I. INTRODUCTION

Diamonds are one of the most valuable and sought-after gemstones in the world. The quality of a diamond is determined by several characteristics such as carat weight, cut, clarity, and color. The diamond's quality plays a significant role in determining its value and price. Accurately predicting the quality of a diamond can help jewelry retailers and appraisers make informed decisions and provide better services to their customers.

In recent years, machine learning techniques have been widely used in various industries, including the jewelry industry, for predictive modeling and decision-making. Machine learning models can analyze large datasets and extract patterns and insights that are difficult to identify through traditional statistical methods. The application of machine learning techniques to diamond quality prediction has the potential to improve the accuracy and efficiency of the process.

EARLY DIAGNOSING OF SPECIFIC LEARNING DISABILITIES USING DECISION TREE ALGORITHM

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ABSTRACT

A learning impairment is a specific learning disability (neurodevelopmental disorder) and it may affect child's cognitive skills, text comprehension, reading-writing and also problem-solving abilities. These impairments mainly affect academic performance of the students specifically reading problems (dyslexia), writing problems (dysgraphia) and difficulty in mathematical problems (dyscalculia), so that the disabilities are called Specific Learning Disabilities (SLD). These students need to be identified an earlier stage, and by giving appropriate assistance, they can get adequate experience on a certain part and develop their disability skills. To diagnose and identify the SLD, the testing scale tool has been proposed. The proposed tool allows the student who suspected to have SLD to take up Quiz. Some specific test questions are repeated thrice based on the type of learning impairments. After completion of the test, resultant data is provided as input to the decision tree algorithm. Based on the student marks and time taken by children, the decision tree algorithm predicts learning disabilities children. The proposed tool is used to develop an integrated and user-friendly tool that is highly accurate in identifying reading, writing and mathematical disorders, and suggest the right way and most appropriate instructional activities to parents and teachers.

INTRODUCTION

In the world wide, around 20 percent population has dyslexia or a similar learning disability according to National Center for Learning Disabilities. Specific learning impairment is the term for several forms of learning problems including dyslexia, dyscalculia and dysgraphia. According to the National Institutes of Health, approximately 10-15% of school-aged children have a learning disability. United Nations Educational, Scientific, and Cultural Organization (UNESCO) study 2017 stated that every country must ensure that children with intellectual disabilities go to primary or secondary school fewer. Some of the learning disabilities are specifically affects the academic performance. Some of the learning disabilities are:

- Dyslexia – Reading impairment.
- Dysgraphia – Writing and drawing impairments.
- Dyscalculia – Mathematics problem solving impairment.

WEB APPLICATION FOR BUILDING CONSTRUCTION AID

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ABSTRACT

The project work entitled, **"WEB APPLICATION FOR BUILDING CONSTRUCTION AID"** is a website with a simple user-friendly interface. The system is built with Python as the front end and uses SQLite as the back end. The user interfaces are using CSS, HTML, JavaScript and Jinja.

In the modern era, everyone is interested in creating or modifying their home, shop or any type of building in a modernized and an attractive manner. The mobilization of all factors of production for this purpose makes the building construction quite time consuming. Though this project aims at bringing together all requirements of the construction of building and mobilization of all factors of production such as labor, material etc. The purpose of this project is to assist the general public who are interested to build their concepts in an attractive manner.

KERATOCONUS DETECTION USING MACHINE LEARNING

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ABSTRACT

Keratoconus affects approximately one in 2,000 individuals worldwide. It is typically associated with the decrease in visual acuity. Given its wide prevalence, there is an unmet need for the development of new tools that can diagnose the disease at an early stage in order to prevent disease progression and vision loss. The aim of this study is to develop and test a machine learning algorithm that can detect keratoconus at early stages. We implemented 25 different machine learning models in Matlab and achieved a range of 62% to 94.0% accuracy. The highest accuracy level of 94% was obtained by a support vector machine (SVM) algorithm using a subset of eight corneal parameters with the highest discriminating power. This project develops an eye hospital website where the patients can consult keratoconus specialist and can detect whether they are keratoconus affected, suspected or normal. This project also aims to propose an effective technique for earlier detection of keratoconus disease using Machine learning algorithms andend-to-end deployment using Django. The dataset obtained are from corneal imaging data.

INTRODUCTION

Keratoconus is a noninflammatory corneal disorder which often affects both eyes. Keratoconus affects approximately 45 per 100,000 individuals in the US. In clinics, more advanced stages of keratoconus cases can usually be detected easily because of the manifestation of obvious signs, however, detecting early stage and suspect keratoconus cases is challenging due to unclear manifestation of disease, requiring a more comprehensive assessment of corneal characteristics. Keratoconus emerges in all races and genders. Keratoconus involves the deformation of the cornea to a conical shape, followed by the thinning of the stroma. The thinned cornea determines the emergence of an uneven astigmatism which is often challenging to be managed and typically leads to the worsening of sight. The keratoconus cornea may have a cone shaped structure with uneven thinning at some regions. Progressive keratoconus may cause a gradual decline in vision and eventually impacts the quality of the patient's life. The distortion of the cornea results in irregular astigmatism along with myopia, leading to decreased visual accuracy. Keratoconus usually develops during puberty and becomes stabilized in the fourth decade of life.

KEY-AGGREGATE CRYPTOSYSTEM FOR SCALABLE DATA SHARING IN CLOUD STORAGE.

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ABSTRACT

Data sharing is a crucial feature of cloud storage. This project illustrates how to safely, effectively, and flexibly exchange data via cloud storage with others. The project outlines a novel public-key cryptosystem that generates ciphertexts of constant size, allowing for efficient delegation of decryption rights for any set of ciphertexts. The innovation is that any group of secret keys may be aggregated and made as small as a single key while retaining the power of all the keys being aggregated. In other words, while the secret key holder can release a constant-size aggregate key for flexible ciphertext set selection in cloud storage, the other encrypted files outside the set remain private. This little aggregate key may be easily given to others or kept on a smart card with limited safe storage space. The standard model includes a formal security analysis of project plans. Other applications of the schemes are discussed further below. The project schemes, in particular, provide the first public-key patient-controlled encryption for flexible hierarchy, which was previously unknown.

INTRODUCTION

CLOUD storage has lately gained popularity. There has been an increase in demand for data outsourcing in organizational settings, which aids in the strategic management of company data. It is also utilized as the foundational technology for numerous web services for personal applications. Nowadays, it Is simple to sign up for free email, picture album, file sharing, and/or remote access accounts with more than 25 GB of storage . Things get significantly worse in a multi-tenancy cloud computing environment. Data from several customers can be hosted on distinct virtual machines , although they all remain on the same physical computer. Data in a target VM might be stolen by instantiating another VM in the same virtual machine. Regarding file availability, there are a number of cryptographic systems that allow a third-

SUBJECTIVE ANSWER EVALUATION USING MACHINE LEARNING AND NLP

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ABSTRACT

Subjective answer evaluation is a crucial task in the field of education that traditionally requires manual evaluation, making it time-consuming and expensive. The use of machine learning and natural language processing (NLP) techniques can automate the process, making it faster and more cost-effective. This project report explores the use of machine learning and NLP techniques for subjective answer evaluation. A comprehensive literature review was conducted to identify the existing methods and techniques used in this field, and a dataset of subjective answers was collected from students of a selected course. The collected data was pre-processed and used to extract features using NLP techniques. Different machine learning models were developed and trained on the extracted features, and the developed models were evaluated using different evaluation metrics. Based on the evaluation results, a prototype system for subjective answer evaluation using machine learning and NLP techniques was developed and evaluated. The results of this project report can provide an insight into the use of machine learning and NLP techniques for subjective answer evaluation, which can be useful for future research in this area.

INTRODUCTION

Subjective answer evaluation is a challenging task that involves assessing the quality of answers that are open-ended and subjective in nature. Traditional methods of evaluation rely on human experts to manually score the answers, which can be time-consuming, costly, and subject to inter-rater variability.Machine learning and natural language processing techniques have emerged as promising alternatives for automating the subjective answer evaluation process. These methods involve training machine learning models on a large dataset of human-scored answers, which are then used to automatically score new answers based on their similarity to the training data.

E COMPLAINT RESOLVER: STREET LIGHT, WATER PIPE LEAKAGE, RAINWATER DRAINAGE, ROAD

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ABSTRACT

The main purpose of this project is to help the public in knowing their place details and getting their problems solved online without going to the office regularly until the problem is solved. Through this system, the public can save time and eradicate corruption in government offices. Its main purpose is to provide a smart and easy way through Android Applications with the location mark in Google Maps for Complaint registration and its Tracking and eradicating system and thus prevent Corruption. We want to develop an application for a complaint management system where the public can register complaints for street lights, water pipe leakage, rainwater drainage, road reconstruction, and garbage system. To transform the existing manual compliant management system into an automated system. For the better management of complaints to improve efficiency.

INTRODUCTION

The main purpose of this project is to help the public in knowing their place details and getting their problems solved online without going to the office regularly until the problem is solved. Through this system, the public can save time and eradicate corruption in government offices. Its main purpose is to provide a smart and easy way through web Applications for Complaint registration and its tracking and eradicating Bribing system and thus to prevent Corruption. We want to develop a web application for Complaint management. To transform the existing manual compliant management system into an automated system. For the better management of complaints to improve efficiency.

LITERATURE SURVEY

It's Time to Automate Your Complaint Management System Complaints can be a vital indicator of product quality and potential product recall issues. Quality managers and their teams use complaint management to report customer complaints, respond to those complaints directly, investigate the complaints within the organization, and analyze how these quality issues can be avoided in the future. By automating the complaint management processes and integrating them into a quality system, you can provide better service to your customers and improve quality processes to mitigate any further customer complaints. Moreover, having a validated system that moves potential incidents rapidly through an investigation and corrective action cycle can be a competitive edge. Each industry is different with regard to regulatory affairs, customer base, and manufacturing quality concerns. An electronics manufacturer will have a far shorter timeframe than a drug manufacturer to perfect manufacturing quality and address customer complaints before the product's shelf-life is done. The pharmaceutical or medical device manufacturer may have different regulations with which it must comply, and

DEPRESSION DETECTION USING MACHINE LEARNING

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ABSTRACT

Depression is a widespread mental health disorder that affects millions of people worldwide. It is essential to detect and treat depression early to prevent its adverse effects. Machine learning techniques can be used to detect depression in individuals using various approaches such as quiz-based tests and sentiment-based tests. Quiz-based tests involve a set of questions designed to evaluate the user's mood, feelings, and behaviour. On the other hand, sentiment-based tests analyse the user's social media posts, text messages, or other written communications to detect signs of depression using natural language processing techniques Both quiz-based and sentiment-based tests have their strengths and weaknesses. Quiz-based tests may be more accurate in detecting specific symptoms of depression, while sentiment-based tests may be more effective at detecting depression in its early stages. Combining both approaches may be the most effective approach to detecting depression using machine learning. This can provide a more comprehensive assessment of the user's mental health and increase the accuracy of the detection algorithm. Early detection of depression can lead to timely treatment and improve the overall quality of life for individuals affected by the disorder.

INTRODUCTION

Depression detection using machine learning is to develop algorithms that can accurately identify individuals who may be experiencing symptoms of depression. This can help in early intervention and treatment of depression, which is a major public health concern globally. Depression is a common mental health disorder that affects millions of people worldwide. It is a leading cause of disability and can have severe consequences, including suicide. Early detection of depression is crucial for effective treatment and management of the disorder.

AN IMPROVED FATIGUE DETECTION SYSTEM BASED ONBEHAVIORAL CHARACTERISTICS OF DRIVER

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ABSTRACT

Driver fatigue detection systems have potential to improve road safety by preventing crashes and saving lives. Conventional driver monitoring systems based on driving performance and facial features may be challenged by the application of automated driving systems. This limitation could potentially be overcome by monitoring systems based on physiological measurements. Heart rate variability (HRV) is a physiological marker of interest for detecting driver fatigue that can be measured during real life driving. This systematic review investigates the relationship between HRV measures and driver fatigue, as well as the performance of HRV based fatigue detection systems. For studies that developed HRV based fatigue detection .systems, the detection performance showed a large variation, where the detection accuracy ranged from 44% to 100%. Progress in this field is needed to determine the relationship between HRV and different fatigue causal factors and its connection to driver performance. To be deployed, HRV-based fatigue detection systems need to be thoroughly tested in real life conditions with good coverage of relevant driving scenarios and enough participants.

MEDICAL WASTE OBJECT DETECTION USING -YOLO

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ABSTRACT

In India, the collection of medical waste is becoming an issue. Unwanted dumping of waste on outskirts of towns and cities creates nerdy and these overflowing landfills are impossible to reclaim. In the existing system, the manual effort has been needed so it may cause chronic disease to the person involved. Developing a mechanized system to save the lives of many people and making the world a cleaner and a greener place is the noble objective of the proposed system. To overcome those problems, an automated waste segregator at the hospital and medical clinic is used. For we are using proximity sensor, moisture sensor, gas sensor, ultrasonic sensor are used to detect and segregator the types of waste. This information can also be indicated to the head or the in- charge through a message by using cloud through arduino controller. For this system arduino IDE has been used to implement the program. This proposed system will save the lives of many people from toxic wastes. Waste auditing is important for effectively reducing the medical waste generated by resource-intensive operating rooms. To replace the current time-intensive and dangerous manual waste auditing method, we propose a system named iWASTE to detect and classify medical waste based on videos recorded by a camera-equipped waste container.

KINDHEARTS.COM

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ABSTRACT

Giving is loving. Kindhearts.com is creating an important role for the lost, orphaned, abandoned and neglected children of the society. On Kindhearts.com, users from all around the world can send gifts, donate money, and sponsor activities. Humanitarian work may now be done more quickly and easily online by both individuals and organisations. All financial transactions and accounts are carefully supervised and shown on the web application to guarantee that the efforts and support of donors or sponsors are directed to the proper ones. The system's goal is to develop at-risk children into capable individuals who value knowledge, confidence, dignity, and integrity.

INTRODUCTION

Kindhearts.com is an idea of building a web application which people can donate and sponsor the orphan ones. System is made available of everyone in the world who are kindhearted to spend time for the orphans. This project is looking for good people who are willing to provide their time, financial support, and love to help the society's orphaned, and abandoned children. However. they lack the resources necessary to quickly locate a donor for the orphanage. There are 1.184 orphanages registered with the state Orphanage Control Board, which accommodate some 40.000 orphaned or destitute under-18s.These are the numbers available for us but in reality, it is much more than that. So, to help every child and old aged is necessary for a state like Kerala. Providing needed goods directly to those who are in needed. our core mission is to aid children in their academic endeavors, emotional development, physical wellbeing, through full-time residential care. People from all over the world can use this website to send presents. sponsor events. and make donations. This internet platform makes it easier and faster for both people and organizations to carry out humanitarian activity. To ensure that the efforts and support of donors or sponsors are directed to the appropriate ones, all financial transactions and accounts are closely monitored and shown on the web application.

STRESS DETECTION IN IT PROFESSIONALS BY IMAGE PROCESSING AND MACHINE LEARNING

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ABSTRACT

The main concept of this project is to detect stress in the IT professionals with the help of Machine learning and Image processing techniques. This project is an upgraded version of the old stress detection systems which excluded the live detection and the personal counselling but this project comprises of live detection and periodic analysis of employees and detecting physical as well as mental stress levels in his/her by providing them with proper remedies for managing stress by providing survey form periodically. This project mainly focuses on managing stress and making the working environment healthy and spontaneous for the employees and to get the best out of them during working hours. Stress management systems play a significant role to detect the stress levels which disrupts our socio-economic lifestyle. As World Health Organization (WHO) says, Stress is a mental health problem affecting the life of one in four citizens.

INTRODUCTION

Stress may be a psychological state drawback moving the lifetime of one in four voters. Human stress results in mental furthermore as socio-fiscal issues, lack of transparency in work, poor operating relationship. depression and eventually commitment of suicide in severe cases. This demands counselling to be provided for the stressed people cope up against stress. Stress turning away is not possible however preventive actions helps to beat the stress. Currently, solely medical and physiological consultants will verify whether or not one is beneath depressed state (stressed) or not. one in every of the normal methodology to notice stress is predicated on form. This methodology, utterly depends on the answers given by the people, folks are going to be unsteady to mention whether or not they square measure stressed or traditional. Automatic detection of stress minimizes the chance of health problems and enhance the welfare of the society. This covers the manner for the need of a scientific tool. that uses physiological signals thereby automating the detection of stress levels in people.

FLIGHT DELAY PREDICTION SYSTEM

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ABSTRACT

Flight delays are a common issue that can cause inconvenience for both airlines and passengers. Predicting flight delays accurately can help airlines optimize their operations, manage resources efficiently, and provide better customer service. This project aims to develop a flight delay prediction system using Python and machine learning techniques. The proposed system leverages historical flight data and various features such as departure time, weather conditions, and airline information to train a predictive model. The machine learning model is trained on a dataset containing information about past flights, including their departure and arrival times, origin and destination airports, andother relevant parameters. The model learns patterns and correlations between these features and flight delays, enabling it to make accurate predictions for future flights. The project utilizes Python libraries such as NumPy, Pandas, and Scikit-learn for data preprocessing, feature engineering, and model training. The dataset is cleaned and transformed to remove missing values, handle categorical variables, and normalize numerical features. Feature selection techniques are applied to identify the most influential factors affecting flight delays. Several machine learning algorithms, such as random forest, gradient boosting, or neural networks, are employed to build the prediction model. These algorithms are trained on the preprocessed dataset and their performance is evaluated using appropriate evaluation metrics such as accuracy, precision, recall, and F1-score. The best-performing model is selected as the final flight delay prediction model. The developed flight delay prediction system provides a user-friendly interface where users can input flight details, including departure time, airline, and weather conditions. The system then utilizes the trained model to generate predictions about the likelihood of flight delays. The predictions can be presented in a user-friendly format, such as a probability or a categorical label indicating the probability of delay. The project aims to provide airlines and passengers with a reliable tool to anticipate flight delays, enabling them to plan and make informed decisions in advance. By leveraging historical data and machine learning techniques, the system aims to improve the accuracy of flight delay predictions, contributing to better operational efficiency and customer satisfaction in the aviation industry.

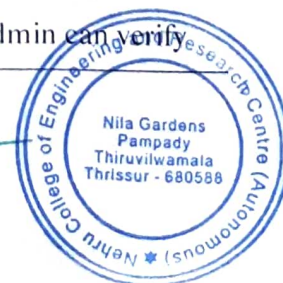# FUEL DELIVERY ON DEMAND WEB APPLICATION

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ABSTRACT

The Fuel Delivery on Demand application to develop delivery on demand fuel depends on the userorder and request. Due to growth of automobiles in market, fuel consumption became more. In existing system, unfortunately because of some reason if vehicle stops due to lack of fuel, it will be very hard for the owner to push the vehicle to the nearest fuel station. In some cases, people go to new location and sometimes they won't be having any idea of the fuel stations to refuel their vehicles. The project titled "FUEL DELIVERY ON DEMAND WEB APPLICATION" is aimed at automating a petrol pump by providing support to the customer outside the organization. It is a web based application, is to manage the booking and delivery of petrol and diesel to the customer in a particular location. It mainly focuses on helping people who get stuck in a place when no petrol pumps are nearby you can so on have the comfort of buying them on one click, without going to the fuel pump. And also the system provides the job opportunity in each petrol pumps

. The database includes information about registered users & registered pump. The project has three levels of access, admin level, pump level and registered user level. These are the three modules used in the system. In admin module, admin can update the current fuel price, view & approve registered pump and orders, view feedback ect. In pump module, users are provided the option to book fuel from a remote location which will be reached by Google cloud services. Registered pump can view orders, add vacancies, approve applications, list pump and stock details. keep pump records. And the registered user module have provision to order fuel, view their previous orders, and apply for new job. The proposed system to develop application to deliver the fuel to those who need to refuel vehicles at any location and time. In this application three modules using user, fuel station,admin. Admin can verify

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ANDROID LOCATION BASED REMINDER SYSTEM

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ABSTRACT

The Android Location-Based Reminder System is a mobile application that enables users to set location-based reminders and alarms on their Android devices. The app utilizes the device's GPS to determine the user's location and provides customizable options for setting up an alarm at a specific time and place. Once the user reaches the designated location, the alarm is triggered, and the user is notified with a notification sound and a pop-up message. The system aims to provide a convenient and efficient solution for users who often forget important tasks or events in their busy lives. The app is user-friendly and can be customized according to the user's preferences, making it an essential tool for people who want to stay organized and punctual. With its user-friendly interface and advanced features, the Android Location-Based Reminder System is a must-have application for Android users who want to stay on top of their daily schedule.

LITERATURE SURVEY

The development of location-based reminder systems has increased significantly due to the widespread usage of smartphones and the availability of GPS technology. This literature survey aims to review recent research on Android-based location-based reminder systems.

Design and Implementation of an Android-based Location Reminder System using GPS by Norah Alghamdi and Mohammed Abou El-Nasr (2021):-

ELECTRIC VEHICLE CHARGING STATION FINDER USING FLUTTER

SWATHILAKSHMI P R, Scholar

Ms. SUMI M, Assistant Professor

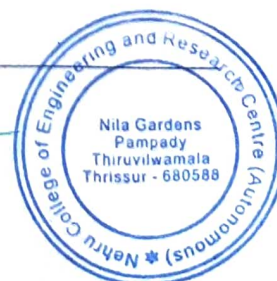Department of MCA, Nehru College of Engineering and Research Centre, Trissur, Kerala

ABSTRACT

Transportation electrification is one of the essential components in the future smart city planning and electric vehicles (EVs) will be integrated into the transportation system seamlessly. Charging stations are the main source of energy for EVs and their locations are critical to the accessibility of EVs in a city. They should be carefully situated so that an EV can access a charging station within its driving range and cruise around anywhere in the city upon being recharged. In this paper, we formulate the Electric Vehicle Charging Slot Booking, in which we minimize the charging station queue for EV charging. The proposed system of EV Charging mobile app to provide EV car owner the convenience of locating charging stations on Google map, vacancy of charging slots, getting status updates on charging. Help to easy way of charging of EV station and ensure smooth journeys long distance. EV CHARGING STATION FINDER USING FLUTTER

INTRODUCTION

New industries are emerging, like Electric Vehicles (EV). Indian Electric Vehicle Market Summary As of now electric charging stations are limited in India due to which people can't find the right charging station which will save their time and money. EV charging stations requires space like parks, malls, societies. For private and semi-public charging stations, this space is available in the parking areas of the societies, apartment buildings, or of commercial or public or institutional areas. Due to this there is more difficulty for EV owners to find charging stations nearby them. The problem is not only to find the charging station but also to charge it quickly because of the time required to charge the EV's. This leads to inconvenience of EV users as requires a lot of time so need of slot booking is require in the charging of EV's.

BRAIN TUMOR DETECTION USING DEEP LEARNING

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ABSTRACT

The human brain is the major controller of the humanoid system. The abnormal growth and division of cells in the brain lead to a brain tumor, and the further growth of brain tumors leads to brain cancer. In the area of human health, Computer Vision plays a significant role, which reduces the human judgment that gives accurate results. CT scans, X-Ray, and MRI scans are the common imaging methods among magnetic resonance imaging (MRI) that are the most reliable and secure. MRI detects every minute objects. Our project aims to focus on the use of different techniques for the discovery of brain cancer using brain MRI. This was followed by the binary thresholding and Convolution Neural Network (CNN) segmentation techniques for reliable detection of the tumor region. Training, testing, and validation datasets are used. Based on our machine, we will predict whether the subject has a brain tumor or not. The resultant outcomes will be examined through various performance examined metrics that include accuracy, sensitivity, and specificity. It is desired that the proposed work would exhibit a more exceptional performance over its counterparts.

INTRODUCTION

Brain tumor detection using deep learning is a project aimed at detecting brain tumors from medical images such as MRI and CT scans. This project involves training a deep learning model, which is a type of artificial neural network, to analyze medical images and classify them as either tumor or non-tumor.

The process of brain tumor detection using deep learning involves several steps. First, a dataset of medical images is collected, which includes both images of healthy brains and brains with tumors. The dataset is then preprocessed to remove any noise or artifacts and to standardize the image size and quality.

KNEE OSTEOARTHRITIS DETECTION AND IT'S SEVERITY PREDICTION USING CNN

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ABSTRACT

Arthritis is an inflammatory disease which causes erosion in bones or narrowing of joint space in various joints of the body. Arthritis is more common in older people and typically worsens with age. Knee osteoarthritis (KOA) is a degenerative knee joint disease caused by wear and tear of ligaments between the femur and tibial bones, that causes suffering from impaired movement. In this paper, a new automatic classification of KOA images based on unsupervised local centre of mass (LCM) segmentation method and deep Convolutional Neural Network (CNN) is presented. Image processing-based algorithm is developed to yield solution to two major problems- joint detection and Joint Space Width measurement. Early detection and prediction of the disease's severity can facilitate timely intervention and improve clinical outcomes. The proposed model takes knee joint X-ray images as input and learns the features relevant to the disease. The experimental results show that the proposed model achieves high accuracy and performance in detecting knee osteoarthritis and predicting its severity with it's potential to be used as an automated tool for knee osteoarthritis screening and diagnosis. providing a more objective and reliable assessment of the disease's severity.

INTRODUCTION

Knee osteoarthritis (KO) is a common and debilitating joint disease that affects millions of people worldwide. particularly in the elderly population. It is characterized by the progressive degeneration of the articular cartilage and underlying bone in the knee joint. resulting in pain. stiffness, and functional limitations. The diagnosis of knee OA is primarily based on clinical evaluation, including symptoms and physical examination, and confirmed by radiographic

SENTIMENT ANALYSIS USING MACHINE LEARNING

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ABSTRACT

Sentiment analysis, an important area in Natural Language Processing, is the process of automatically detecting affective states of text. Sentiment analysis is widely applied to voice-of- customer materials such as product reviews in online shopping websites like Amazon, movie reviews or social media. It can be just a basic task of classifying the polarity of a text as being positive/negative or it can go -beyond polarity, looking at sentiment states etc. Sentiment analysis refers to analyzing an opinion or feelings about something using data like text or images, regarding almost anything. Sentiment analysis helps companies in their decision- making process. For instance, if public sentiment towards a product is not so good, a company may try to modify the product or stop the production altogether in order to avoid any losses. There are many sources of public sentiment e.g., public interviews, opinion polls, surveys, etc. However, with more and more people joining social media platforms, websites like Facebook and Twitter can be parsed for public sentiment.

INTRODUCTON

Sentiment analysis using machine learning is the process of training a machine learning model to classify text data as positive, negative, or neutral based on the underlying sentiment expressed in the text. Sentiment analysis can be used to automatically classify reviews, social media posts, and other forms of text data.

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ABSTRACT

This project aims to create an AI voice assistant using Python and the Speech Recognition module, which can perform complex and automation tasks with the help of ChatGPT. The voice assistant will be able to recognize and interpret natural language commands from the user, and respond accordingly with appropriate actions or information. By integrating ChatGPT, the voice assistant will be able to carry out more sophisticated tasks such as generating responses to open-ended questions and providing personalized recommendations. The automation tasks may include scheduling appointments, sending emails, playing music, and much more. The system will use various APIs and libraries such as the Google Calendar API, SMTP library, and PyAutoGUI library to carry out these tasks efficiently. Overall, this project will showcase the potential of AI voice assistants and provide a glimpse into the future of intelligent automation.

INTRODUCTION

A chatbot integrated AI assistant is a system that combines the functionalities of a chatbot and an AI assistant. The chatbot can recognize and interpret natural language commands from the user and respond with appropriate information or actions. By integrating an AI assistant, the system can carry out more complex tasks such as generating responses to open-ended questions and providing personalized recommendations. This type of system can be used in various applications such as customer service, personal assistants, and education, to provide a more natural and intuitive way for users to interact with technology.

BLIND ASSISTANCE SYSTEM : REAL TIME OBJECT DETECTION WITH VOICE FEEDBACK

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ABSTRACT

Object Detection is a field of Computer Vision that detects instances of semantic objects in images or videos (by creating boundingboxes around them in our case). In this project, we will convert image to text and then text-to- speech for the visually impaired person who deserve to live independently by using You Only Look Once V3 (YOLO v3) algorithm that runs through a variation of an extremely complex Convolutional Neural Network architecture called the Darknet with OpenCV and GoogleText to Speech,We can then convert the annotated text into audio responses and give the location of the objects in the camera's view. The system will continuously capture multiple frames using a camera and the frames then converted to audio segment, the obtained results manage to achieve the success of the proposed prototype in giving visually impaired users the capability to understand unfamiliar surroundings,through a user friendly device with this profound object identification model.

INTRODUCTION

With the recent rapid development of information technology (IT), a lot of research has been carried out to solve inconveniences in everyday life, and as a result, various conveniences for people have been provided. Nevertheless, there are still many inconveniences for the visually impaired. The greatest inconveniences that a blind person feels in everyday life include finding information about objects and indoor mobility problems.They have difficulty recognizing simple objects, and it is not easy to distinguish objects that have similar forms. Previous studies included object analysis using ultrasonic sensors. However, with these methods, it is difficult to know exactly where an object is located, especially in the presence of obstacles. In this paper, we

DIABETES PREDICTION USING MACHINE LEARNING ALGORITHMS

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ABSTRACT

Diabetes is a chronic disease with the potential to cause a worldwide healthcare crisis. According to International Diabetes Federation 382 million people are living with diabetes across the whole world. By 2035, this will be doubled to 592 million. Diabetes mellitus or imply diabetes is a disease caused due to an increased level of blood glucose. Various traditional methods, based on physical and chemical tests, are available for diagnosingdiabetes. However, early prediction of diabetes is a quite challenging task for medical practitioners due to complex interdependence on various factors as diabetes affects human organs such as kidneys, eyes, heart, nerves, feet, etc. Data science methods have the potential tobenefit other scientific fields by shedding new light on common questions. One such task is to help make predictions on medical data. Machine learning is an emerging scientific field indata science dealing with the ways in which machines learn from experience. The aim of thisproject is to develop a system that can perform early prediction of diabetes for a patient with a higher accuracy by combining the results of different machine learning techniques. This project aims to predict diabetes via three different supervised machine-learning methodsincluding SVM, Logistic regression, and KNN.

INTRODUCTION

All around there are numerous ceaseless infections that are boundless in evolved and developing nations. One of such sickness is diabetes. Diabetes is a metabolic issue that causes blood sugar by creating a significant measure of insulin in the human body or by producing a little measure of insulin. Diabetes is perhaps the deadliest sickness on the planet.It is not just a malady yet, also a maker of different sorts of sicknesses like a coronaryfailure, visual deficiency, kidney ailments and nerve harm, and so on.

Subsequently, the identification of such chronic metabolic ailment at a beginning period could help specialists around the globe in forestalling loss of human life. Presently, with the ascent of machine learning, AI, and neural systems, and their application in various domains [1, 2] we may have the option to find an answer for this issue. ML strategies and

FOOD DONATION MANAGEMENT SYSTEM

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ABSTRACT

The Project FOOD DONATION SYSTEM is a web application developed to prevent food insecurity, a lack of access to healthy and affordable food. The donor can be either individual, or from restaurants and function halls. The donation recipient can be either from orphanages, old homes, shelters, etc. The purpose of this application is to connect the users without any intermediary service. The focus of the project is to develop a web application that uses data analysis to visualize the impact of excess food, thus reducing food wastage. People donate food manually by visiting each organization number of times so as to scale back the issues of food wastage. It shows the potential for avoiding the wastage of food. The users need to register into the application and can offer or request for donation of food. The notification will be sent to the other so that they can either accept or deny the service given. This can be tracked by the participants to ensure the food delivery. This way the web application helps the needy and averts food wastage and hunger.

INTRODUCTION

Highly populated & developing countries like India, food wastage is a disturbing issue Food donation is a web application developed to prevent food insecurity, a lack of access to healthy and affordable food. The product is an internet- based web application that basically aims at charity through donations. The streets and garbage bins have abundant proof to prove it. Presently people who wish to donate items need to personally visit the organizations and donate foods or other items. In general, the large manufacturers, wholesalers, and organized community provide food items to food banks or waste tons of foods daily. They have to search for some organization that needs food. This process involves a lot of time to contact the organization to check the requirement. If they do not need the food, then the person has to contact another organization. This makes the donor tired and exhausted.

This application acts as a bridge between the donors and donation recipients. Instead of wasting food we will put them in use by donating them to varied organizations like orphanages, adulthood homes, college canteens etc. The donor can be either be individual, or from hotels and function halls. The donation recipient can be either from orphanages, old homes, shelters, etc. The users need to register into the application and can generate donation or food request. The notification will be sent to the other and one can either accept or deny the service offered. In the same way, seekers can view the list of items put up by donors and if required, can claim the donated item by contacting the donor.

The Food Donation system is a simple project developed using PHP, CSS, JavaScript and Bootstrap. The project contains an admin. Public, , Charity, Auditoriums, Restaurants. Also, the Admin can update few facilities to the system about the function and remove the facilities or add new facilities to the web application.. The admin has an important role in this food donation system.

ONLINE CHARITY MANAGEMENT SYSTEM

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ABSTRACT

Charity is an act of kindness, where a person who has financially more than enough of what he or she needs contributes a part of his or her surplus income for the fulfillment of the needs of those who are less capable. The majority of NGOs has experienced difficulties in getting funds or other required things. Getting donor is a very hard task, and sometime dealing with some donors conditions can be a big challenge for NGOs to fulfil it. This charity management system will help NGOs to find donors easily. This system has seven major modules namely, Admin, Donor, Fund Raiser, Online Appointments, Food donation, Child Adoption Service and Employee Account. Admin can login using credentials and manage the request raised by NGO like fund raising, food donation, etc by approving or rejecting it. Admin will get the report of NGOs who get donations. NGOs can register and raise request by uploading NGO documents. Once admin gets the approval, they can login using credentials. NGO can raise request in need to the various registered donor. They can view the previous events list and donation report. Donor can simply register and login using credentials. This system include four major services like food donation, online appointments, child adoption service and fund raising for various genuine needs. They will get the notification of the request raised by NGOs for donation. They need to fill the details regarding donation on approval of request. Donor will get the date of donation. They can also view Donation history.

INTRODUCTION

Charity has been a part of human society for thousands of years. The ancient Greeks and Romans practiced philanthropy, which involved donating money to support the arts, education, and public works. In many religions, charity is considered a fundamental principle, and followers are encouraged to give to those in need. The rise of e-commerce and online payment systems paved the way for online charity. The first online donation platform, created by Network for Good in 1998, revolutionized the way people give back to their communities and support causes they believe in. As social media became more prevalent in the mid-2000s, charitable organizations began using these platforms to promote their causes and encourage online donations.

DETECTION OF ABUSIVE CONTENTS AND FAKE NEWS IN SOCIAL MEDIA

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ABSTRACT

The detection of fake news and abusive content is a significant challenge in today's digital age. This project proposes a machine learning and natural language processing-based approach to automatically detect fake news and abusive content. The proposed system utilizes various text classification techniques, including feature engineering and deep learning algorithms, to classify news articles and social media posts as genuine or fake, and abusive or non-abusive. The system extracts relevant features such as sentiment analysis, text structure, and contextual information to improve classification accuracy. The proposed approach has the potential to reduce the impact of fake news and abusive content on social media platforms by providing an automated system to detect and flag such content. The results of this project indicate that the proposed system outperforms existing approaches in terms of accuracy, precision, and recall. The project examines the techniques behind detecting "fake news", i.e. misleading news stories from trustworthy sources. With the increase in the ease of publishing and distributing news over the years, the fake news and hate speech propaganda has taken up a huge chunk in our daily routine, whether we can identify them or not. We must act to tackle this scenario as these can have contributed to the increase in political or communal hatred, which can cause severe damage to society. In the proposed project, we are going to extract features of the language and content by collecting examples of both real and fake news. We are going to train a model to classify fake news articles based on the NLP technique called TD-IDF (term frequency-inverse document frequency) vectorization which gives us the importance of each keyword within the news article or the speech. Then with the application of logistic regression we can classify the article/speech that can help us to identify such articles and deal with them.

INTRODUCTION

With the advent of social media and ever-increasing publishing work it has become important to identify fake news and hate speeches embedded in various articles or posts. This fake news and hate speeches can severely impact our society spreading hatred into

WEDDING CONNECT

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ABSTRACT

It is a web application to connect with event management, photographers, and caterers which help in smooth running of a wedding event altogether. The main purpose of the project is to book catering services, photographers and event management team via online. So, the consumer can customize their food menu, photographer and events via online for the function as the consumers need. The consumer can call to the caterers to discuss the cost and availability of resources for the function. Nowadays the online demand for pre preparation and arrangement of function via online is very high, this venture provides a variety way to go more for customer demand than some pre-loaded resources. So, more interaction is required online than manual and which must be provided with an aesthetic feel to use this facility and increase the revenue for linked caterers and event groups. One of the main benefits of this application is that they allow customers to make their booking at a time that is most convenient for them.

INTRODUCTION

The "Wedding Connect" is a web-based platform that aims to help organize successful wedding event. The system assists the users in the decision making and planning processes associated with all aspects of a wedding organization. The system offers features that the users can retrieve information for wedding products and services as well as information of vendors in the shortest possible time. Also, vendors can gain benefit of getting more recognition from clients and generating more revenue. The proposed system has the ability to explore wedding goods/service suppliers (Vendors) across thirteen relevant categories and allow vendors to enter and manage all relevant information such as price, client list, models, previous work details, locations, exhibition details and more.

The aim of this project is to help wedding couples to specify their desires and needs of every aspect of the wedding such as themes, styles, locations, dates, vendor brands and more and vendors to expand their market. So many things that need to be done on the wedding and prior this day. So planning is very important to make the wedding day special and memorable. The wedding checklist is generated for that. It helps to prepare for the big day without missing any of the bits and pieces that involved in planning.

The Wedding Connect is a simple project developed using Python, CSS, JavaScript and Bootstrap. The project contains an admin, users, photographers, caterers and event planners. The admin side manages all the management like managing schedules user records, photographers' availability, caterers schedule, event planners schedule and so on. The admin has an important role in this wedding connect.

AAYUR REKHA-THE HUMAN MEDICAL HISTORY SYSTEM

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ABSTRACT

AAYUR REKHA is an electronic record of patient record information, pharmacy, clinical findings,   diagnostic test results, patient's history, patients progress and medication. It provides the details of treatment, performed date, time. During these three years, we can see a huge increase in the number of patients. Sometimes there is a chance of losing the doctor's prescription. And also, patient don't know how much money they are spending on hospital. So, this application provides a solution to those problems. In olden days, we consult doctors for very small disease. Now the condition is not like that, patients do not consult doctor for a small disease and they are taking self-medication. So, this medical record helps you to consult doctors online.

INTRODUCTION

This project is to develop a web application that provides a platform for doctors, patients, lab technicians, pharmacists and hospitals. It provides an efficient online interaction between all these phases. On logging on to this application, a patient can book appointment for doctor of any department. Here the complete medical details of a patient can be recorded. The details can be his/her disease history, blood reports, X-ray, physical status, medicines used and the details of consulted doctors. The application also provides the notifications to the patients for their appointments for next consultations and medical reports. By using this application, a doctor can also check his profile and update them. The system will create unique identification numbers for each patient which will identify her/him in the health information system. This ID is then linked to all recordings of the patient's vital signs and saved in a database for further analysis and historical consultation. The system will also provide real-time patient monitoring of vital

PLAGIARISM DETECTION AND SENTENCE PARAPHRASING USING PYTHON

Madhu H, Student

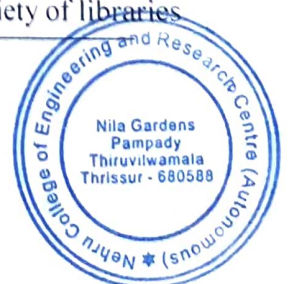Dr. Vineetha KR, Associate Professor

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ABSTRACT

Plagiarism is a serious issue in the academic world, and it can have severe consequences for those who are caught committing it. As a result, there is a need for effective plagiarismdetection tools to help identify instances of academic misconduct. This abstract outlines a project that aims to develop a plagiarism detection system using Python. The system will analyze text documents and compare them against a database of existing documents to identify similarities and potential instances of plagiarism. The system will utilize natural language processing (NLP) techniques and machine learning algorithms to identify patterns and similarities between documents. The project will involve data cleaning, preprocessing, and feature extraction before applying the algorithms to detect plagiarism. The results will be evaluated using various metrics to determine the effectiveness of the system. Ultimately, the goal of this project is to create an efficient and accurate plagiarism detection system that can be used by academics, publishers, and other organizations to prevent plagiarism and promote academic integrity. Paraphrasing using deep learning involves the use of advanced neural networks to generate alternate versions of a given textwhile preserving its meaning. this approach involves training a language model to understand the underlying semantics of the original text and then using this understandingto generate novel, yet equivalent, paraphrases. the resulting paraphrases can be used to improve readability, avoid plagiarism, or adapt content to different contexts. however, paraphrasing using deep learning is still an active research area with ongoing efforts to improve the quality of generated paraphrases and address ethical concerns related to potential misuse.

INTRODUCTION

Plagiarism detection is an important task in academia and industry to ensure the originality and integrity of written content. Python is a popular programming language that can be used to develop plagiarism detection systems. In this context, Python providesa variety of libraries

INSURANCE FRAUD DETECTION

KRISHNA K , Student

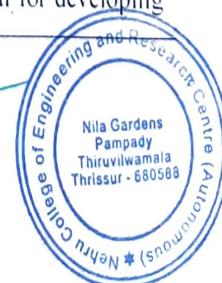Dr. VINEETHA K R , MCA Associate Proffessor

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ABSTRACT

Insurance fraud is one of the major problems facing numerous insurance companies of the world and some circle holes during traditional homemade fraud disquisition process have been linked as a major malefactor. This is one of the provocations for this exploration, to emplace computing ways in creating a hedge to fraud claims in order to not only give secure terrain to the guests, but also to reduce the chance of similar illegal fraud conditioning to a lesser extent. We presented our exploration by automating whole insurance claiming process through the use of different technologies in its design, development, and perpetration. The system used machine literacy and data analytics to automate the process of relating fraudulent claims and has the capability to develop heuristics around fraud pointers. therefore, perpetration of this model has good impact on insurance company's character in request and also on the client's satisfaction. For this purpose, we've developed a customized data- mining model for the traditional fraud discovery.

INTRODUCTION

Insurance fraud is deliberate illegal exertion done to get financially advantaged. It's a serious and growing problem as fraudulent insurance claims increase the burden on society and as that demands the attention of communities similar as machine literacy to find result to this problem. Also now there's a wide recognition that traditional approach for relating the frauds is shy. At the time of structure classify models; the savings from loss forestallment needs to be balanced. The study on same reported that total cost of insurance fraud estimated is further than billion bones worldwide. Insurance fraud covers the range of indecorous and illegal conditioning for achieving the favorable issues. Hence, there's a definite need to make an automated model able for relating implicit frauds with high degree of delicacy. Also the model is needed for perfecting the process effectiveness and invention. Ideal for developing

MEDICINE REMINDER

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ABSTRACT

modern society, most of the time people remain busy in their daily life schedule. It is true that they give more preference to their work than taking care of their health. Several diseases like diabetes, blood pressure is nowadays very common. Maintaining daily medication become very difficult for old people. Sometimes younger is faced with the same problem. A medicine reminder app is a mobile application designed to help individuals manage their medication schedules. It can be challenging to remember to take medication on time, especially for people who take multiple medications daily. This app helps users to set reminders for taking their medications, track their medication usage, and monitor their adherence to their medication regimen. The app is user-friendly and provides features such as medication schedules, pill identification, and a database of medications. Caretaker can set reminders for specific times of the day, patients receive notifications when it's time to take their medication, and mark the medication as taken. The app also allows users to track their medication usage, including the dosage, frequency, and duration of medication. Moreover, the app has various modules that provide additional functionalities such as managing doctors' schedules, registering and adding doctors, and viewing patients' complaints and replying to them. The app also has a module for care takers to add patients and set medicine reminders for them, as well as a module for patients to login and receive alarms and reminders for taking their medications. This proposed a medicine reminder app is a useful tool for people who have difficulty managing their medication schedules. The app's various features and modules make it a comprehensive solution for managing medications, tracking usage, and communicating with doctors

INTRODUCTION

The medical field is progressing and advancing rapidly due to the advancement in technology. The combination of medical and engineering disciplines has revolutionized modern medical practices. Traditional methods used for health care are becoming outdated due to the increase in population. Innovative health monitoring systems are required with less human mediation/intervention which can be available at low cost in rural as well as urban areas. A Microcontroller & RF-based saline monitoring system is a perfect example of such an innovative health management system. This system can be easily and readily installed in every hospital which will help out the nurses and doctors for efficient monitoring of saline flow in the hospitals. The main objective of this project is to develop a smart medicine reminder app for old people or

STUDENT PERFORMANCE PREDICTION USING MACHINE LEARNING

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ABSTRACT

The student performance prediction is a web application that uses machine learning for the prediction. This system helps students and teachers to know their performance in prior so that they can follow good practices and new learning methodologies needed to improve their performance. This system let the users to know whether each of the student will be placed or not at the end of the course. It uses supervised learning algorithm called random forest for the prediction. It results the prediction accurate. In this project, there are four modules, Admin, Hod, Tutor and student. Admin adds student and Hod. And they can view the prediction. Hod adds teachers. They can view prediction and they can assign assignments to the students. Tutors can view prediction and they can upload notes and assign assignments to the students. And they can view the assignments uploaded by the students. For the prediction, system uses the marks of the students acquired during SSC, HSC, UG and also the aptitude scores during this course.

INTRODUCTION

Student performance prediction using machine learning is an important application of machine learning in the field of education. With the advancement of technology, machine learning has become an essential tool in predicting the performance of students in various academic subjects. The project involves the use of various machine learning algorithms and statistical models to predict the performance of students based on their academic and personal data. The project aims to improve the academic outcomes of students by identifying the factors that influence their academic performance. The factors that affect academic performance can be demographic, socioeconomic, or educational, and may include factors such as attendance, participation, grades, and previous academic performance. By analyzing these factors, machine learning models can be trained to predict

DETECTING PHISHING WEBSITE USING MACHINE LEARNING

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ABSTRACT

Phishing attack is a easiest way to obtain sensitive information from innocent users. Target of the phishers is to acquire critical information like username, password and bank account details. Cyber security persons are now looking for trustworthy and steady detection ways for phishing websites detection. Many users unwittingly click phishing domains every day and every hour. The attackers are tar getting both the users and the companies. The objective of the project is to execute a Machine Learning solution to detect phishing and malicious web-sites. Here we are going to implement regression Algorithms to detect the Phishing Websites Legitimate Websites going to compare the build model with different types of regression Algorithms like Logistic Regression, Random Forest (Support Vector Machine Algorithm. This paper deals with machine learning technology for detection of phishing URLs by extracting and analyzing number of features of legitimate and phishing URLs. Logistic regression, random forest and Support vector machine algorithms which are used to detect phishing websites. Aim of the paper was to detect phishing URLs as well as narrow down to best machine learning algorithm by comparing accuracy rate, false positive and false negative rate of each algorithm.

INTRODUCTION

Phishing attacks are a significant threat to internet security, causing financial losses and damage to personal and professional reputations. Machine learning techniques have shown promise in detecting phishing websites by analyzing their characteristics and patterns. By developing a machine learning model that can accurately distinguish between phishing and legitimate websites, we can provide users with an automated tool to help them identify

A MAC BASED BLOCKCHAIN FOR EFFICIENT DATA INTEGRITY SCHEMEIN MULTI-CLOUD STORAGE

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ABSTRACT

The cloud storage service provides the storage and access function for massive data, reducingthe management cost for large amounts of data. The data integrity verication scheme in cloud storage can beemployed to help users confirm the integrity of outsourced data. Although public data integrity verificationschemes allow users to outsource data integrity verification to Third-Party Auditor (TPA), there are still manyproblems with centralized TPA in terms of security and efficiency. In recent years, researchers have tried toapply blockchain technology to solve the centralization problem of traditional methods, but these schemesdo not pay attention to the problem of efficiency degradation caused by the use of blockchain technology.This work proposes an efficient data integrity MAC verification scheme for multi-cloud storage services by usingblockchain technology. The overall verification can verify the integrity of multiple CSPs, which solves theproblems of low computational efficiency. Local verification can trace the source to the specific damagedCSP, which is more secure and reliable. In addition, this paper puts the data verification process directly inthe blockchain for public execution and provides data integrity verification services without the assistance ofany TPA platform, avoiding the security problems caused by untrusted TPA.We describe approaches and system requirements that should be brought into consideration, and outline challenges that need to be resolved for such a publicly auditable secure cloud storage service to become a reality.

HOUSE PRICING PREDICTION USING MACHINE LEARNING

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ABSTRACT

A machine learning model is built to predict house prices using features such as location, square footage, bedrooms, and bathrooms. The data is collected from real estate listings and publicly available datasets. Various regression algorithms like linear regression, random forest, and XGBoost are used to train the model on the dataset, ensuring accuracy and reliability. The best fit for the data is identified by comparing the results of each algorithm, and the model's accuracy is evaluated using standard metrics like mean squared error, root mean squared error, and R-squared. The model is then deployed on a web application that takes in relevant information to estimate the house price. This tool can benefit homebuyers, real estate agents, and investors by providing accurate property valuations based on specific features.

INTRODUCTION

The real estate industry is a vital sector in the global economy, with trillions of dollars' worth of properties changing hands every year. As a result, it is essential to develop tools that can assist homebuyers, real estate agents, and investors in making informed decisions regarding property transactions. Machine learning models have shown great promise in predicting house prices based on various factors, including location, square footage, and the number of bedrooms and bathrooms . This project has the potential to benefit society by providing individuals with reliable and accurate information regarding the value of a property. The outcomes of this project can facilitate transactions that are fair and equitable for both buyers and sellers, ultimately contributing to a healthy and thriving real estate industry. . The accuracy of the model is evaluated using standard metrics, such as mean squared error, root mean squared error, and R-squared, to ensure that the model is performing optimally. Ultimately, the project aims to deploy the final machine learning model on a web application