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(19) INDIA

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(21) Application No.202341078650 A

12

(43) Publication Date : 24/11/2023

(54) Title of the invention : ECOFABCONNECT:AN INTERCONNECTOR BETWEEN DESIGNERS AND TEXTILE INDUSTRY

(51) International classification :G06Q0010100000, G06Q0010020000, A61P0009100000, A61P0009120000, G16H0040200000
(86) International Application No :NA
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(87) International Publication No : NA
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Filing Date :NA

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(57) Abstract :

Abstract An appointment plays a typical role and acts as a link between many people. Scheduling an appointment should take place whenever we need to meet a VIP. Nowadays, these scheduling's done through a phone call with personal assistants or by booking a slot at reception, etc. In the majority of cases, we are unable to get an appointment or need to wait for a longer time to have a meeting. So, the project Appointment Scheduler for VIPs using Python and Twilio aims at managing the appointments of VIPs. The system is open to the public, who may use it to inquire about appointments and reserve a time slot based on availability. The personal assistant of the VIP will manage the schedule seamlessly, and they will have the ability to accept, reject, or assign some-other time for clients' appointments. A message alert will be sent to the client when the appointment has been confirmed. As a result, this paper concentrates on a thorough analysis of the architecture and benefits of online appointment management and scheduling. ATE-MI

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(21) Application No.202341078623 A

19

(19) INDIA

(22) Date of filing of Application :20/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : CROP DAMAGE PREVENTION FROM ANIMALS USING COCO-SSD MACHINE LEARNING MODEL

(51) International classification :G06Q0050020000, G06N0003080000, A01M0029160000, A01K0003000000, G06K0009620000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
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(57) Abstract :

Crops in farms are many times ravaged by local animals or wild animals. This leads to huge losses for the farmers. It is not possible for farmers to barricade entire fields or stay on fields 24 hours and guard it. So here we proposed automatic crop protection system from animals. It uses a TensorFlow AP] with coco dataset. The coco dataset can maintain all types of images and large dataset is supported. The SSD model which is used for the object detection with coco dataset, This SSD is works faster than CNN. In this system, when the animal is detected it sends alert to the farmer through GSM modem (SMS) and sounds an alarm to move the animals away from the field. This ensures the complete safety of crops from animals thus protecting the farmer's loss.

No. of Pages : 7 No. of Claims : 3

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(21) Application No.202341078637 A

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14

(54) Title of the invention : DETECTING BOGUS NEWS USING NLP AND BLOCKCHAIN TECHNIQUES

(51) International classification :G06F0016953500, G06N0020000000, H04L0009320000, G06F0016360000, G06F0040279000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
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(57) Abstract :

Abstract Given the recent developments and advancements in the software engineering field, the interest-based entertainment network is one of the most important aspects of human existence. This environment has established itself as a popular form for exchanging information and news on all topics as well as daily reports, which is the major period for information and news on all topics as well as daily reports, which is the major period for information collecting and transmission. There are a variety of advantages to this environment, but from another angle, there are a lot of false data and information that lead readers and clients astray while they are looking for the information they need. One of the major problems with this approach is the lack of reliable data and true new insight regarding internet entertainment data. There is a main disadvantage is that the platform is also been used for producing the fake news and users are being miss guided by the information. This all has come with the lack of trust able platform and trust able information prevailing in the other platforms. To combat this problem, we have created an integrated framework for various blockchain and Natural language processing (NLP) components that applies AI techniques to recognize fake news and better anticipate fake client records and postings. This methodology uses the support learning approach. The decentralized blockchain structure was used, which provides the framework of computerized contents authority verification, to work on this stage with regard to security. More specifically, the goal of this framework is to promote a secure environment for spotting and identifying fake news in online entertainment companies.

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(19) INDIA

(22) Date of filing of Application :20/11/2023

(43) Publication Date : 24/11/2023

(54) Title of the invention : ONSTREAM CUSTOMIZED PORTRAY

(51) International classification :G06Q0030020000, G06Q0030060000, B44D0003180000, G06T0019200000, C09D0005060000

(86) International Application No :NA
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(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
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(57) Abstract :

Abstract In this modern world, everything is available in online even we can buy the painting. There are many Online art gallery software applications. These applications make the marketing easy compared to the traditional way of marketing and it is very easy for customers to find the address of the event Here we display all the paintings in the application along with cost so that user can buy the painting even he is not in the event. This application follows the trend so that customer can buy the latest collection of painting wherever in the world. All the existing applications can make somewhat easy to customer but if the customer wants painting with his own specific - requirements, customer has to plan the, meeting with artist. Sometimes customer required artist may be far from the customer and sometimes customer may stuck in any work. It is very complicated to communicate with the artist so based on this problem we add some extra features to existing applications. Here in proposed application customer can easily communicate with the artist virtually, where the time of both the customer and artist is saved.

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(21) Application No.202341078651 A

(19) INDIA

(22) Date of filing of Application :20/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : MEDI QR: AN EASY WAY TO ACCESS YOUR HEALTH HISTORY

(51) International classification :G16H0010600000, A61P0011000000, A61P0043000000, A61P0037000000, A61P0037020000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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(57) Abstract :

Abstract The conventional challenge of misplaced or absent medical records has prompted the development of a novel solution, MediQR. In response to issues such as incorrect diagnoses and treatment resulting from missing health histories, this invention leverages QR codes and blockchain technology to provide a secure and user-friendly method for accessing and updating medical information. Users can generate their unique QR codes on the Medi QR website, containing personal details and health-related information. Blockchain ensures data security, while the QR code, when scanned, triggers an OTP verification process, guaranteeing authorized access. This system caters to both educated and uneducated individuals, allowing them to easily manage their health records, thereby mitigating risks, saving time, and promoting efficient healthcare practices.

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(21) Application No.202341078653 A

(19) INDIA

(22) Date of filing of Application :20/11/2023

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(54) Title of the invention : A NEW INNOVATIVE ALGORITHM FOR IMPROVING THE PERFORMACE OF RENTAL SYSTEM FOR UNIVERSAL PERIODIC REVI

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(51) International classification :G06Q0030020000, G06Q0030060000,
G06Q0040080000, G06Q0030000000,
G06F0021620000

(86) International Application No :NA
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(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(57) Abstract :

Abstract: The UPR Rental System is an innovative online platform designed to address the growing demand for item rentals. Central to this system is the introduction of UPR coins, a unique mechanism that allows users to boost the visibility of their rental items. The platform boasts user-friendly features, including item listings, secure messaging, and seamless payment processing, while stringent security measures protect user data and financial transactions. Legal compliance and attention to insurance and liability concerns create a safe environment for all users. A well-structured marketing strategy leverages digital marketing and social media to attract renters and item owners. Diverse monetization strategies ensure the platform's financial viability. Furthermore, community-building, based on trust and user-generated content, is pivotal for long-term success in the dynamic landscape of online rentals.

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(19) INDIA

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(43) Publication Date : 24/11/2023

(54) Title of the invention : WAY SCOUT - A BUS TRACKING APPLICATION USING MEAN STACK

(51) International classification :G06Q0050200000, G06Q0010060000, G06F0016270000, G06F0021620000, H04L0012660000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

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(57) Abstract :
 Way scout is a comprehensive software solution designed to enhance the transportation ~ experience for students and faculty members by providing real-time information and improved accessibility. This application entails the development of a college bus tracking web application utilizing the MEAN stack (MongoDB, Express.js, Angular, and Node.js). The application aims to address the challenges associated with inefficient bus tracking, unreliable communication, and a lack of user accountability within a college campus. By providing real-time bus location updates, implementing user authentication, enhancing data management, and improving the user experience through a user-friendly interface, this system seeks to offer a comprehensive solution that benefits students, staff, and other stakeholders. It will enable users to plan their commutes 1 - - effectively while ensuring data security and accessibility only to authorized individuals, ultimately contributing to a smoother and more informed campus transportation experience.

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(21) Application No.202341078658 A

(19) INDIA

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(54) Title of the invention : SMART MAILING SYSTEM FOR BLIND PEOPLE

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A61F0009080000, G06Q0010100000,
G06Q0020060000

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Filing Date :NA

(57) Abstract :

In day-today life, the internet has become common in everyone's life. Every individual person is widely using the internet and accessing the knowledge, information, and all the available features for communication via the internet. The visually impaired, however, have difficulties in using those services because of their physical inability. The blind people need to depend upon other people to use this service. The development of computers and smartphones has given visually handicapped people all around the world numerous new opportunities. Audio based environments, such as talk back and many helpful features have helped blind people to take the advantage of the workspace. However, these are difficult to use at some point of time. Today, sending private information requires the use of email. There are many communication methods available but email is the most widely used method for every field like education as well as the business sector. Email is a form of technology that helps to communicate with each other and allows users to send emails to others. The major goal is to create a voice-based email system for those who are blind or visually impaired, allowing them to send and receive emails _ using computers. It will use the latest features to provide an environment which is helpful for the visually challenged people to work without the need of external help.

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(21) Application No.202341078663 A

20

(19) INDIA

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(43) Publication Date : 01/12/2023

(54) Title of the invention : EFFECTIVE BILLING METHODOLOGY IN LARGE SCALE STORES/MALLS USING IOT

(51) International classification :G06Q0030060000, G06Q0030020000, G06Q0010060000, G06Q0020320000, G06Q0010040000

(86) International Application No :NA
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(61) Patent of Addition to Application Number :NA
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(57) Abstract :

Now a days, shopping has become a daily activity in today's world. Metropolitan cities are crowded with people in shopping malls to buy their daily needs, As the market is growing bigger day by day with variety of products and consumer taste has change. Though almost everything is available online for purchase, a large number of people still prefer to buy many things by visiting supermarkets and malls. Shopping malls are centre of attraction because of discounts in products, cashless transaction, variety of products like household, decorative, kitchen, Sports, education, stationeries which are all available under one roof. The traditional way of shopping that is still in implementation involves picking the things of their interest and waiting in the queue at the billing counter until it's their turn. This creates inconvenience and delay especially during festive seasons and holidays when the malls are filled with crowd. The objective of our invention is to overcome the problem of standing in queue and wasting time. So, we are designing an application in which the barcodes of the products are scanned then the products which are scanned can be added to the shopping cart in the application and the payment is made online automatically through the application that we are going to design. Initially, the customer registers with the mobile application which we designed and gets login. After registration the customer enters the unique trolley Id given on the trolley in the mobile application. The customer scans the Barcode/QR code attached to the product by using mobile camera in the application which he/she wants and keep the product in the trolley. Once the customer scanned the product at the weight of the trolley will be measured by using the load cell which is attached to the trolley, if the weight of product and weight in trolley matches then the product details are fetched to the mobile application, after that the total amount will be displayed then the customer can go for next product or remove the product based on customer budget and settle the bill. The billing will be done based on the customer requirements(online/offline). This system will be more efficient regarding offering a great deal to eliminate time taken at the billing counter in supermarkets and increasing customer satisfaction.

No. of Pages : 6 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078672 A

(19) INDIA

(22) Date of filing of Application :20/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : PREGNANCY FOTRESS

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(51) International classification :A61B5/024, A61B5/1464, A61B5/344, A61B8/02
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(57) Abstract :

The pregnancy monitoring belt is a non-invasive wearable device tailored for expectant parents to oversee their baby's health and activities in utero. Utilizing cutting-edge sensor technology, including Doppler ultrasound and accelerometers, it accurately captures and transmits fetal heartbeat and movements. This user-friendly and comfortable belt continuously gathers data, empowering parents with real-time insights into their baby's well-being. The transmitted data supports healthcare professionals in evaluating fetal health, ultimately aiming to offer reassurance and a deeper connection for expectant parents throughout The pregnancy journey.

No. of Pages : 7 No. of Claims : 6



(54) Title of the invention : BRAILLE TO TEXT/VOICE CONVERTER USING MACHINE LEARNING

(51) International classification :G09B0021000000, G06F0040580000, G09B0021020000, B41M0003160000, B41J0003320000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Communication between people is a crucial thing in life. Sighted people use the script provided by languages such as English or other languages to write on paper. However, in the case of visually impaired people, they use a different type of script known as Braille named after its founder Louis Braille which is the system of reading and writing used by people who are visually impaired where they feel raised dots on Braille page with tips of their fingers. Each language can be represented using Braille script, which differs from one language to another. The Braille to Text/Voice converter (BTVC) is a tool designed to help sighted people to be able to understand Braille script without having any knowledge of the Braille language. The purpose of this project is to design a tool that can translate a Braille script into a multilingual script and represents the converted script as text or voice to the user.

No. of Pages : 6 No. of Claims : 4

23

(54) Title of the invention : INTEGRATED COTTON YIELD FORECASTER USING MACHINE LEARNING

(51) International classification :G06Q0050020000, G06N0003040000, G06Q0010040000, G06N0020000000, G06Q0040080000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Farming is the economic pillar of every country. Wherein India more than 65% population depends on agriculture. Unpredictable variations in climatic circumstances shows great impact on crop cultivation. Since the farmers are not encouraged to embrace automation in their activities, individuals are losing interest in the topic. It is mainly due to the absence of Information Technology participation in the agricultural sector. The above issue can be conquered by using a variety of programming techniques to assist farm owners in estimating the turnover of their production and motivating the farmers to stay in their field area. The prediction of cotton yield entails predicting the yield of the cotton from the present chronological information like climate, fertilizers, and soil variables. Machine learning algorithms helps to forecast yields based on locality, using land area, and based on fertilizers used. The proposed model aims to design, develop and implement the training model by using different input data for cotton yield prediction with good accuracy. And at the same time the crop loss because of diseases is approximately 10 to 40%. Farmers determine the diseases by their experience in farming but, it is not accurate and appropriate way. Sometimes farmers take opinion from experts to detect the diseases but this is also a time-consuming way. At the time of examination of crop damage, the inspection committee faces many issues about the identification of disease and actual percentage loss of crop due to diseases. So, our mission is to make a mobile based application where farmers can upload diseases of the plant which uses Image processing Technique and by identifying the disease present in their plant leaf we provide the best possible solution for that disease and also those who don't have basic knowledge of which pesticides to use or where to buy them. They could have been benefited by providing E-commerce web interface that connects pesticide manufacture directly to farmers thereby achieving complete expulsion of 'Middle-Man' concept. Therefore, this project can help farmers to determine and prevent crop yield loss.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341079196 A

27

(19) INDIA

(22) Date of filing of Application :22/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : INFORMATION AND MENTAL SUPPORT WEB APPLICATION WITH SPEECH BOT

(51) International classification :H04L0051020000, G06Q0030020000, G06Q0010060000, G06F0003048170, G06F0003048200

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :
 Voice Bots are emerging as a promising platform for accessing and delivering healthcare services. The evidence is in the growing number of publicly available chatbots aiming at taking an active role in the provision of prevention, diagnosis, and treatment services. Today the focus is on convenience, the less time and effort, the better. By using Bots as their service of choice, consumers outsource their decisions to algorithms, hence give little attention to traditional consumer decision making models and brand emphasis. The use of voicebots evolved rapidly in numerous fields in recent years, including Marketing, Supporting Systems, Education, Health Care, Cultural Heritage, and Entertainment. Next, we discuss the motivations that drive the use of voicebots. Moreover, the impact of social stereotypes on voicebots design, after clarifying V necessary technological concepts Furthermore, we present the general architecture of modern voicebot. Voicebots seem to hold tremendous promise for providing users with quick and convenient support responding specifically to their questions. The most frequent motivation for voicebot users is considered to be productivity, while other motives are entertainment, social factors, and contact with novelty. A voice-bot is a software application used to conduct an online chat conversation via text or text-to speech, instead of providing direct contact with a live human agent. Designed to convincingly simulate the way a human would behave as a conversational partner. In the proposed system, we presented a voicebot that generates a dynamic response for user's queries.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341079198 A

25

(19) INDIA

(22) Date of filing of Application :22/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : PROVIDING A PLATFORM FOR ORPHANAGES TO INCREASE THEIR CREATIVITY AND SHOW-CASE THEIR SKILLS

(51) International classification :G06Q0030060000, G06Q0010100000, B33Y0080000000, G06F0040284000, A61K0038390000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The orphans in the orphanages have their own talent like some of them may make handicrafts and some may sing, dance, paint etc. But due to some reasons they are not able to live the life they want, if they are trained in the aspect which they are good at then they may become the masters in those areas. Now-a-days, e-commerce is trending. So, we are using an e-commerce website known as orphastore to help the orphans in orphanages. In our project we are designing an e-commerce website. Inthat website, products which are made by the orphans are posted by the guardian of-the orphanage. The money get from that website is provided for the future of the orphans. There are many places for the people where they can exhibit their talent. All they need is an opportunity for showcasing their talents. We will try to give the chance to the orphans in the orphanages for exhibiting their own talents. And if there are any events then we will encourage them to participate. By doing this, people in the orphanages can gain confidence and get motivated to achieve something in life. So, our project is about the web application which involves the process of finding their skills and encourage them to showcase them for their needy. The process of web application starts with the guardian ofthe orphanages. They ca_n login to the page land register by entering the details. The guardians will post the products made by the orphanages. People who are interested can login/register an account and buy the products. The money they get are given to the people who made the products. Guardian will have the right to post the videos of the people in the orphanages and make the'people in the orphanages increase their talents.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/06/2023

(21) Application No.202311038917 A

(43) Publication Date : 07/07/2023

(54) Title of the invention : AN ADVANCED IMAGE PROCESSING SYSTEM USING A COMBINATION OF IOT AND CLOUD COMPUTING

(51) International classification :G06F 165830, G06T 012000, G16H 302000, H04L 671000, H04N 013200
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The proposed invention introduces an advanced image processing system that combines Internet of Things (IoT) devices and cloud computing infrastructure to enable real-time image analysis and processing. The system utilizes interconnected IoT devices, including cameras and sensors, to capture image data, which is transmitted to the cloud infrastructure for immediate processing and analysis. Leveraging the scalability and computational power of cloud computing, the system employs advanced image processing algorithms and machine learning techniques to extract valuable insights from the captured images. Real-time data acquisition ensures prompt analysis and decision-making, while the cloud infrastructure provides storage capabilities for archiving and retrieval of processed images. The system finds applications in various domains, such as healthcare and industrial automation, enabling real-time diagnosis, treatment planning, quality control, and process optimization. The proposed invention represents a significant advancement in image processing, offering seamless integration of IoT devices and cloud computing to unlock the full potential of real-time image analysis for improved decision-making and innovation. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2023

(21) Application No.202341054350 A

(43) Publication Date : 01/09/2023

(54) Title of the invention : METHOD FOR REDUNDANT TRANSMISSION OF DATA MESSAGES IN COMMUNICATION USING MACHINE LEARNING

(51) International classification G06N002000000, H04L0001180000, H04L0001000000,
H04L0041140000, H04L0001080000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No :NA
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to Application :NA
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Filing Date :NA

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(57) Abstract :
A method and system for optimizing the redundant transmission of data messages in communication networks employing machine learning techniques. This invention leverages machine learning models trained on historical and real-time data to predict the likelihood of successful data transmission. Based on these predictions, the system dynamically adjusts the level of redundancy applied to each message, ensuring efficient and reliable data delivery tailored to specific network conditions and message importance. Accompanied Drawing [FIGS. 1-2]

No. of Pages : 21 No. of Claims : 8



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341043081 A

(19) INDIA

(22) Date of filing of Application :27/06/2023

(43) Publication Date : 01/09/2023

(54) Title of the invention : Deep Learning-based Image Processing System for Enhancing Microscopic Images

(51) International classification :G06T0005000000, G06N0003080000, G06N0003040000, G16H0050200000, G02B0021360000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The proposed invention is a Deep Learning-based Image Processing System designed to enhance the quality of microscopic images. Microscopy is widely used in scientific research and medical diagnostics, but microscopic images often suffer from limitations such as low resolution, noise, and poor contrast. The system leverages the power of deep learning algorithms to extract meaningful features and patterns from the images, improving resolution, reducing noise, enhancing contrast, and highlighting fine details. The system consists of pre-processing, deep learning model training, image enhancement, and post-processing stages. By utilizing deep learning, the system can adapt to the complexities of microscopic images and handle various microscopy techniques. The invention offers advantages over traditional methods by automating the image enhancement process, reducing manual effort, and increasing accessibility to advanced microscopy techniques. The proposed system has broad applications in scientific research, medical diagnostics, and industrial sectors, promoting advancements and benefiting various fields reliant on microscopic imaging.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078850 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : **INTELLIGENT GSM BASED HEALTH MONITORING SYSTEM**

(51) International classification :A61B0005000000, A61B0005024000, A61B0005145500, A61B0005110000, H04L0043100000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Health monitoring system mainly works for allowing doctors to check the status of patient health remotely via smart phone. the system calculate parameter like humidity, heartbeat, temperature of body and oximeter etc. when it goes certain limits cross then it gives alert message through GSM . Then system we used ESP32 microcontroller to interfaced with LCD Displays, humidity, heartbeat and temperature ' of body. The system calculates this parameter with high accuracy with less time and we check on Smartphone. The system consists of health button. GSM technology it enable all features check via message. The system consists of max30100 sensor take two parameter like oximeter and heartbeat sensor. Then we use the DHT11 sensor it calculates the humidity and temperature of body.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078862 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : SEISMIC-INDUCED ROOF DAMAGE DETECTION OF EARTHQUAKE

(51) International classification :G06T0003400000, G06T0007000000, G06T0007730000, B64C0039020000, G06F0009448000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Numerous techniques have been created to identify debilitated structures because of seismic . tremor. Be that as it may, little consideration has been 'paid to examine marginally influenced structures'. In this letter, an unsupervised strategy is introduced to identify tremor activated roof -holes on rustic houses. To begin with, both orthomosaic and slope pictures are produced from an arrangement of pictures. At that point, an altered model is utilized to take in an unsupervised model of the gee-object classes in the range by melding both over segmented orthomosaic and inclination pictures. At long last, rooftop gaps on rustic houses are recognized utilizing the learned model. The execution of the proposed strategy is assessed as far as both qualitative and z' - quantitative records.

No. of Pages : 5 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078859 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : INTELLIGENT DETECTION OF RETINOPATHY OF PREMATUREITY USING ADAPTIVE CNN BASED DEEP LEARNING APPROACHES

<p>(51) International classification :G16H0040670000, A61B0005000000, G16H0080000000, G06F0021560000, C12Q0001688300</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES Address of Applicant :VINJANAMPADU, VATTICHERUKURU MANDAL, GUNTUR, ANDHRA PRADESH - 522017. ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Sarala Patchala Address of Applicant :Department of ECE, KKR & KSR Institute of Technology and Sciences, VINJANAMPADU, GUNTUR, ANDHRA PRADESH - 522017. ----- 2)Dr. K. Madhusudhana Rao Address of Applicant :Department of ECE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 3)Ambika Annavarapu Address of Applicant :Department of ECE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 4)Dr. Sk. Sadulla Address of Applicant :Department of ECE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 5)K. Rama Krishna Address of Applicant :Department of ECE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 6)K. Shyam Babu Address of Applicant :Department of ECE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 7)K. Sowjanya Address of Applicant :Department of ECE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 8)Shaik Basheerun Address of Applicant :Department of ECE, KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. -----</p>
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(57) Abstract :

The increasing incidence of ROP — attributed to the ability to preserve the lives of younger, smaller infant's — and the shortage of ROP experts has increased the prevalence of ROP-related visual loss. This has, unfortunately, resulted in ROP becoming a leading cause of childhood blindness in both developed and developing countries. It was our goal to solve some of the issues associated with the accurate and timely diagnosis of TR-ROP. First, a robust image quality algorithm was developed. This algorithm quickly alerts clinicians and researchers as to whether images are of high enough quality for the diagnosis of ROP. It can (and currently does) have applications in both telemedicine pipelines and automated methods for the diagnosis of ROP. ' Second, a risk model that can identify all subjects who will develop TR-ROP and correctly rule out more than half of the subjects in a screening pool who will never develop TR-ROP was developed. This model can significantly reduce the screening burden and the physiological stress placed on low-risk infants, allowing experts to prioritize those who are most at-risk of developing TR-ROP. Finally, to further reduce the screening burden, we proposed that non-ROP experts in developing countries assist with screening low-risk infants. To do so, we developed a model that can produce personalized reference standard images of plus disease, the most prominent indicator of the need for treatment of ROP. Using these images, non-experts can feel more confident in examining low-risk children, and can do so far less frequently than telemedicine or automated methods require, thereby reducing the ROP expert screening burden and the frequency of physiological stress placed on premature infants.

No. of Pages : 7 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2023

(21) Application No.202341078867 A

(43) Publication Date : 01/12/2023

(54) Title of the invention : A NOVEL CLASSIFICATION OF SLEEP APNEA USING A HYBRID HADAMARD TRANSFORM

(51) International classification :A61B0005000000, A61B0005087000, A61B0005080000, A61B0005113000, A61M0016060000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Sleep apnea is a potentially serious breath disorder. This can be detected using a test called as Polysomnography (PSG). But this method is very inconvenient because of its time consuming and expensive nature. This can be overcome by using other methods like Respiratory rate interval ECG — derived respiration and heart rate-variability analysis using Electrocardiography (ECG). These methods are used to differentiate sleep apnea affected patients and normal persons. But the major drawback of these is in performance. Hence, in this paper this disadvantage is overcome by considering Sequence Ordered Complex Hadamard Transform (SCHT) as a feature extraction technique.

No. of Pages : 9 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/11/2023

(21) Application No.202341078865 A

(43) Publication Date : 01/12/2023

(54) Title of the invention : A HYBRID ECG BASED ATRIAL FIBRILLATION DETECTION USING ADAPTIVE APPROACHES OF HYBRID FIREFLY ALGORIT

(51) International classification :A61B0005000000, A61B0005349000, A61B0005361000, A61B0005352000, A61N0001362000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Electrocardiogram (ECG) is a non-invasive diagnostic technique which is used for detecting cardiac arrhythmia. From last decade industry, dealing with biomedical instrumentation and research demands advancement in its ability to distinguish different cardiac arrhythmia. Atrial Fibrillation (AF) is an irregular rhythm of the human heart. During AF, the atrial moments are quicker than the normal rate. As blood is not completely ejected out of atria there are chances for the formation of blood clots in atrium. These abnormalities in the heart can be identified by the changes in the morphology of the ECG. The first step in the detection of AF is preprocessing of ECG, which removes noise using filters. Feature extraction is the next key process in this research. Recent feature extraction methods, such as Auto Regressive (AR) modelling, Magnitude Squared Coherence (MSC) and Wavelet Coherence (WTC) using standard database (MIT-BIH), yielded a lot of features. Many of these features might be insignificant containing some redundant and non-discriminatory features that introduce computational burden and loss of performance. This approach presents fast Conjugate Symmetric Sequency Ordered Complex Hadamard Transform (CS-SCHT) for extracting relevant features from the ECG signal. The sparse matrix factorization method is used for developing fast and efficient CS-SCHT algorithm and its computational performance is examined and compared to that of the HT and NCHT. The applications of the CS-SCHT in the ECG-based AF detection are also discussed. These fast CSSCHT features are optimized using Hybrid Firefly and Particle Swarm Optimization (FFPSO) to increase the performance of the classifier.

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078836 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : GUERDON COIN

(51) International classification :G06Q0030020000, G06Q0010100000, G06Q0020060000, G06Q0020360000, G06Q0040020000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No :NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
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(57) Abstract :
The Guerdon project aims to revolutionize the way recognition and rewards are distributed. By using blockchain technology and cryptocurrency, we bring transparency and fairness to this process. General users benefit from tangible rewards based on their achievements, while business users access a talent pool more efficiently. This model promotes fairness, motivation, and a more equitable distribution of recognition in various fields. Students and professionals have to invest significant effort in accumulating qualifications, yet their efforts often go unnoticed. In such a scenario, there's a lack of motivation and satisfaction. Social media platforms offer superficial recognition through likes and subscribers but do not translate into tangible rewards. To join the network, users need to create a guerdon bank account. Business users are required to deposit a certain amount to deter fraudulent accounts. Only business users can validate and reward general users for their certificates, internships, and other achievements. We earn from the commissions on transactions between business and general users. Moreover, we provide additional services like investment, banking, and transactions, which generate revenue. Our primary customers are two-fold. Business users include companies, institutions, and online academic platforms looking to validate, and reward individuals' achievements. General users encompass students, workers, freelancers, and anyone seeking recognition and rewards for their efforts. In summary, privacy and security are core aspects of the guerdon project. We have implemented advanced technologies and practices to safeguard users' data and ensure the integrity of the network, providing a secure and trustworthy platform for recognition and rewards.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078861 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : CROWD FUNDING USING BLOCK CHAIN

(51) International classification :G06Q0040060000, G06Q0030000000, G06Q0020400000, G06Q0040040000, B32B0005080000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
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 --

(57) Abstract :
 The combination of crowd funding and block chain technology has been gaining attention due, - to the advantages and obstacles it presents. Block chains decentralized and transparent ledger system enhances security and trust by reducing Instances of fraud and eliminating the need for 'intermediaries in crowd funding campaigns. By utilizing contracts, on the block chain campaign management becomes automated ensuring that funds are disbursed when specific criteria are met. Additionally tokenizing assets through simplifies oWnership opening up a range of investment opportunities. This summary provides a glimpse into the future of fundraising powered by block chain technology

No. of Pages : 6 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(21) Application No.202341078886 A

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(54) Title of the invention : AQLA SECURE MAPPER

(51) International classification :G01D10031000000, H04W0084120000, P24F0110500000, P24F0011640000, G01D00021020000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
ABSTRACT The main objective of this project is to Tri-Fi is a project that seeks to address the issue of energy consumption and air pollution by using a gas sensor to automatically turn a Wi-Fi router on or off based on the air pollution levels detected. The device is designed to reduce the amount of energy consumed by the router, which can help reduce pollution and energy costs. The device works by using a gas sensor to detect the levels of specific pollutants in the air. The sensor is connected to a micro controller that is capable of processing the data and sending signals to a servo motor. The servo motor is then connected to the Wi-Fi router, allowing it to turn the router on or off as needed. One of the key benefits of Tri-Fi is that it can help increase awareness about air quality. The device is capable of alerting people to high pollution levels, which can help them take steps to protect their health. It can also help collect data on pollution levels over time, which can be used to inform policy decisions and public health initiatives. Overall, Tri-Fi is an innovative project that has the potential to make a significant impact on the environment and public health. By reducing energy consumption and increasing awareness about air quality, Tri-Fi can help create a more sustainable and healthy future for all.
No. of Pages : 5 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078848 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : SEAMLESS GOVERNMENT JOB VERIFICATION VIA AADHAR

(51) International classification :G06Q0010100000, H04L0009320000, G06F0021620000, A61P0015080000, H04L0009080000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The Aadhar-Blockchain Job Verification System represents a novel approach to job verification, seamlessly integrating India's Aadhar biometric identification system with blockchain technology. Job seekers' Aadhar credentials encompassing their unique 12-- digit identification numbers and associated biometric and demographic data, are securely linked to a blockchain- based digital identity. This invention facilitates controlled access to this digital identity for potential employers during job applications, enabling them to verify the job seeker's credentials safely and securely, all while ensuring data privacy. The system records these access and verification actions on the blockchain, thereby establishing a transparent and immutable employment history. In conclusion, this invention addresses the challenges of traditional job verification methods, offering a secure, efficient, and privacy-conscious solution with the potential to revolutionize the hiring process.

No. of Pages : 6 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078852 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : ORGANIC FOOD TRACEABILITY

(51) International classification :C11D000300000, C11D000320000, A61K0009480000, C11D0003120000, G06F0003048420

(36) International Application No :NA
Filing Date :NA

(37) International Publication No :NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(52) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The growing demand for organic food has led to an increased need for robust traceability systems to ensure the authenticity and integrity of organic products throughout the supply chain. This paper proposes a comprehensive approach to enhance organic food traceability, addressing the challenges associated with maintaining the organic status of products from farm to table. The proposed system integrates advanced technologies, including block chain, IoT (Internet of Things), and RFID (Radio-Frequency Identification), to create a transparent and tamper-proof traceability framework. By leveraging block chain, the entire life cycle of organic products can be recorded in an immutable and decentralized ledger, providing consumers and stakeholders with real-time access to product origin, cultivation practices, and certification details. QR devices and RFID tags are strategically employed at different stages of the supply chain, enabling continuous monitoring of key parameters such as soil conditions, temperature, and transportation conditions. This real-time data collection ensures that organic products adhere to stringent quality standards and remain free from contamination or adulteration. Furthermore, smart contracts within the block chain facilitate automated verification of organic certifications, enabling quick and reliable confirmation of a product's organic status. This approach not only enhances the efficiency of certification processes but also minimizes the risk of fraudulent claims regarding organic authenticity. In conclusion, the proposed comprehensive traceability approach amalgamates cutting-edge technologies to establish a robust and transparent system for organic food traceability. By fostering consumer trust and ensuring the credibility of organic products, this framework contributes to the sustainable growth of the organic food industry

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(21) Application No.202341078857 A

(22) Date of Filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : TRUST TRACE: RELIABLE & TRANSPARENT TRANSACTIONS

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(57) Abstract :

The proposed project addresses the current issue of government fund allocation transparency by introducing a blockchain-based platform. This project is also used in various sectors for making our transactions transparent & these sectors, involve private companies and social serving trusts. This platform records and makes all government transactions publicly accessible, ensuring complete transparency in fund utilization. We can make business by providing subscription for users where subscribers gain access to detailed information about companies involved in government projects, potentially, opening new avenues in data-driven investment. Nonsubscribers maintain privacy, viewing sector names only. This solution seeks to enhance accountability, build trust in the governing party, and unlock economic opportunities while respecting data privacy and adhering to legal and regulatory standards. It represents an ideal project for a patent, focusing on advancing government transparency.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078863 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : ECO CHAIN

(51) International classification :H04L0009320000, G06Q0030000000, G06Q0010060000, G06Q0040040000, H04L0009060000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

In a world increasingly focused on environmental sustainability and carbon emissions reduction, the need for an efficient and transparent carbon credits trading platform has never been greater. This innovation introduces a pioneering carbon credits trading platform that harnesses the transformative power of blockchain technology. The platform seamlessly integrates a decentralized and distributed blockchain ledger, a smart contract system for automated verification of carbon offset projects, and a tokenization mechanism for representing carbon credits as digital assets. Transparency, security, and accountability are at the heart of this invention, as the blockchain ledger ensures the authenticity, provenance, and traceability of carbon credits. The platform offers a user-friendly interface, enhancing accessibility for businesses and organizations of all sizes. It not only streamlines carbon credits trading but also provides comprehensive environmental impact reporting tools to facilitate compliance with regulatory standards. This invention marks a significant leap forward in the field of carbon credits trading, providing an innovative and ethical solution to contribute to a greener, more sustainable world.

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078866 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : TRANSACTION SETTLEMENT IN REAL ESTATE

(51) International classification :G06Q0050160000, G06Q0040020000, G06Q0020060000, G06Q0050180000, G06Q0020400000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No :NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :
 ABSTRACT Title: Transaction Settlement in Real Estate The invention of transaction settlement in real estate using blockchain technology has fundamentally transformed the real estate industry. Traditionally plagued by inefficiencies, intermediaries, and a lack of transparency, real estate transactions have been streamlined and secured through the innovative application of blockchain technology. This abstract provides an overview of the background, mechanics, and the profound impact of this invention on the real estate sector. The conventional real estate transaction process was often associated with delays, disputes, and high transaction costs. Blockchain technology, originally designed for cryptocurrencies: emerged as a disruptive solution to address these persistent challenges. The introduction of blockchain-powered transaction settlement in real estate has brought about profound changes in the industry: sale. This not only minimizes delays but also streamlines the administrative process. 2.Cost Savings: Fewer intermediaries and reduced administrative tasks mean lower transaction costs for both buyers and sellers, making real estate investments more attractive. 3.Security: Blockchain's security features make real estate transactions far more secure. It virtually eliminates the risk of fraud, data breaches, and disputes, increasing trust among all parties involved. 4.Transparency: The transparent nature of blockchain technology significantly enhances trust and confidence among real estate stakeholders. All parties can independently verify transaction history and ownership records, reducing uncertainty. 5.Globalization: Real estate investments can now be easily made across borders, broadening higygstgnment_Opp0ljtqnitisnand fosterin g international real estate transactions. This abstract provides a glimpse of how blockchain technology is revolutionizing loan management systems by offering a more secure, transparent, and efficient way to handle loans. The implementation of such systems has the potential to reshape the financial services industry and offer a brighter future for borrowers and lenders alike.

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078875 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : PERSONAL INFO SHIELD

(51) International classification :G06F0021620000, H04L0009320000, G06F0021600000, G06F0021640000, H04L0009060000
(56) International Application No :NA
Filing Date :NA
(57) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
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(57) Abstract :
ABSTRACT The main objective of this project in the era of widespread social media usage and growing concerns over data privacy, an innovative concept emerges— an advanced Personal Information Shield using blockchain technology. This system is designed to empower individuals with unprecedented control over their personal data within the social media landscape, effectively addressing the persistent challenges of data breaches and unauthorized data sharing. The Personal Information Shield is anchored in the core principles of data ownership and control, allowing individuals to define who has access to their personal information and under what specific circumstances. Leveraging the security, transparency, and decentralization inherent in blockchain technology, this system ensures data integrity and privacy, providing users with a secure and immutable platform. Smart contracts, a hallmark feature of this shield, automate data access and consent management, enabling users to predetermine the conditions under which their data is shared. Robust encryption adds an extra layer of security, safeguarding personal data from unauthorized access even in the face of potential breaches. Transparency, facilitated by blockchain, creates a foundation of trust and an immutable audit trail of all interactions with personal information; The system also promotes data portability, allowing seamless transfer of personal data between social media platforms while ensuring data ownership remains firmly with the user. By complying with data protection regulations, the Personal Information Shield guarantees alignment with pertinent privacy laws, further reinforcing user rights and privacy in the dynamic and evolving realm of social media. In a world where personal data is at the heart of digital engagement, this innovative approach offers the promise of reshaping the landscape of data privacy and personal autonomy within social media.

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078849 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : LOAN MANAGEMENT SYSTEM

(51) International classification :G06Q0040020000, H04L0009320000, H04L0009060000, G06Q0020400000, G06Q0020380000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
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(57) Abstract :
 The traditional financial industry is undergoing a profound transformation with the integration of blockchain technology, and one area of significant impact is the loan management system. This ' abstract presents an overview of a blockchain-based loan management system, highlighting the key advantages it brings to the financial sector. Blockchain technology offers a decentralized, transparent, and secure platform for managing loans, improving efficiency, reducing fraud, and enhancing trust among all stakeholders. In this system, loan transactions are recorded in an immutable ledger, ensuring the integrity and transparency of every operation. Smart contracts, self-executing agreements with predefined ' terms, automate and enforce loan agreements, eliminating the need for intermediaries and reducing administrative costs

No. of Pages : 5 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078854 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : SMART CONTRACT FOR SMART TENDERS

(51) International classification :G06Q0020400000, G06Q0010080000, G06Q0030080000, G06Q0040040000, G06F0016230000

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(57) Abstract :

Generally, the Tenders or contracts are used by goVernments and companies to procure goods or services. Wrongful tender management leads to huge losses in case of faulty practices. This includes favouring of contractors, improper record maintenance, lack of transparency, hacking, data modification and other issues. To overcome this problem, we have used a simple and secure block chain technology and to secure by encryption coupled with indisputable block based architecture for transaction management. In this case we make use of block chain technology to secure transaction based documents along with transactions such as tender documents, applications, bid proposals, company profiles, past records, approving officer details, rejection details. to ensure a completely transparent tendering process.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078856 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : DECENTRALIZED ENERGY MARKET PLACE

(51) International classification :G06Q0040040000, G06Q0050060000, H02J0003000000, H02J0003460000, B60L0055000000

(86) International Application No Filing Date :NA :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number Filing Date :NA :NA

(62) Divisional to Application Number Filing Date :NA :NA

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(57) Abstract :
 Large-scale deployment of renewable energy sources brings new challenges for smart grid management requiring the development of decentralized solutions and active participation of prosumer and non-grid-owned assets. Local energy flexibility markets can help in monitoring energy flows, motivate changes in prosumers' energy supply and demand, achieving local energy balance, and optimization of electricity flows. In this paper, we propose a blockchain-based decentralized energy flexibility market enabling small-scale prosumers to trade in a peer-to-peer fashion their flexibility in terms of load modulation concerning the baseline energy profiles. We have defined an energy flexibility token for digitizing the flexibility of prosumers allowing to be traded on the market as an asset and self-enforcing smart contracts for decentralized market operation including functions such as the placement of flexibility bids/offers, trading session management, or energy and financial settlement of energy flexibility transactions. For matching the flexibility bids and offers, a solution based on a greedy heuristic and a bipartite graph is proposed for minimizing the number of flexibility transactions and reducing the blockchain-associated costs, while Oracles are used to assure its secure integration with the blockchain. The blockchain-based flexibility market was validated with the help of the Terni city Distribution System Operator, showing promising results in enabling the self-consumption of renewable energy generated in a small scale urban micro-grid considering live energy monitoring data, and (Title Page) in assuring the local balancing of the demand side in a simulated environment considering many market participants and historical energy data.

No. of Pages : 6 No. of Claims : 4

(18) PATENT APPLICATION PUBLICATION

(21) Application No.202341078869 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : BLOCK CHAIN LAND MANAGEMENT

(51) International classification :G06Q0050260000, G06Q0010100000, H04L0009320000, G06Q0050180000, B23B0027140000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

ABSTRACT We propose a block chain-based land documentation and availability system to combat fraudulent land transactions, opacity in records, and inefficient land acquisitions. Utilizing a secure, tamper-resistant blockchain, land records will be stored, guaranteeing transparency and immutability. Landowners can register and validate their property, allowing for swift, transparent ownership verification. A comprehensive database will detail land available for sale, accessible through subscriptions. Collaboration with government agencies will streamline land acquisition for infrastructure projects. This solution promises to boost transparency, expedite land acquisition, and empower citizens and governments with vital land information, fostering economic growth.

No. of Pages : 6 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078868 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : DONAR CONNECT

(51) International classification :H01L0029800000, H01L0021020000, H04W0048200000, C08K0005420000, C08L0079020000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :
 ABSTRACT This project presents a groundbreaking solution for live organ donation and transplantation through the integration of block chain technology. In the realm of healthcare, the pressing issue of efficiently tracking live donors and matching them with patients is addressed comprehensively. An innovative application is developed to facilitate donor, patient, and doctor registration. It ensures secure and transparent management of data by utilizing block chain's decentralized ledger system. The core objective is to eliminate biases associated with financial power and connections. Through the block chain-based platform, a fair first-come-first-served approach is guaranteed, promoting equitable-access to live organ transplantation sentences. The entire process is recorded and made visible to all stakeholders, fostering trust and accountability. This project represents a significant stride in medical innovation, offering a secure and equitable solution that has the potential to save lives and transform the landscape of organ transplantation.

No. of Pages : 7 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078870 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : COUNTERFEIT CHAIN

(51) International classification :G06Q0030000000, H04W0012122000, G06F0021570000, G11B0023280000, C10N0040250000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

ABSTRACT Counterfeit goods are fake products designed to imitate genuine items in various industries like fashion, electronics pharmaceuticals, and more They pose a significant threat, endangering consumers and hurting trusted brands. These imitations are usually of low quality and, in some cases, even dangerous; putting consumers at risk. Moreover, they damage the trust consumers have in authentic brands. The current ways we verify if a product is real or not often aren't enough, making it easy for counterfeiters to trick consumers. To tackle this big problem, we've come up with a strong solution called Counterfeit Chain. It's a system that takes advantage of the Ethereum blockchain, a powerful and secure technology. Our system's main goal is to confirm whether a product is real or a counterfeit, making sure consumers are safe and protecting the reputation of genuine brands. It's our way of fighting the widespread issue of counterfeit goods globally

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078872 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : SECURE COMPLAINT HUB

(51) International classification :G06Q0050260000, G06Q0050180000, G08B0021220000, G08G0001017000, H04M0003436000

(86) International Application No :NA
 Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :

ABSTRACT India is experiencing a sharp rise in crime. According to the National Crime Records Bureau, India's crime rate (crime incidence per 100,000 of the population) went from 383.5 in 2018 to 385.5 in 2019 to 38348 in 2020. In 202], India reported 52,974 cyber crimes, a rise of over 6% from the previous year. A large number of these offences go unreported. Individuals may have different justifications for not reporting crimes, including concerns about family honor, distrust of law enforcement, threats and harassment from the Offender, and concerns about privacy (identification disclosure). Nowadays, women are the most frequently targeted individuals for » cyber crimes, and their vulnerabilities are taken advantage of. Our mission is to create-a blockchain—based complaint management system that enables anonymous case filing, online proof submission, and secure storage of created FIR copies without requiring personal visits to the police. Before filing a complaint, a person is, authenticated in order to disprove the idea of _ a false complaint. The possibility of an FIR being tampered with and being fin reported would 'be eliminated by keeping all the entries in an immutable database, such as a ledger. The complaint management system's goal is to streamline the coordination, monitoring, tracking, and resolution of complaints while giving the organization a useful tool to pinpoint issue areas,track complaints handling efficiency, and make operational advancements

No. of Pages : 6 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078845 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : DOCUMENT SHARING SYSTEM USING BLOCK CHAIN

(51) International classification :H04L0009320000, H04L0009080000, G06F0021620000, H04L0009060000, G06F0021600000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

In the digital age, secure and transparent document sharing is paramount. This abstract presents a document sharing system that leverages blockchain technology to provide an innovative solution to these challenges. The system utilizes blockchain's core features, including immutability, access control through smart contracts, decentralized storage, and transparency. Users are authenticated via cryptographic keys, and documents are stored in an encrypted and tamper resistant manner. All document-related activities, such as sharing, editing, and versioning, are recorded on the blockchain, ensuring data integrity and transparency. This system has broad applications, from business and government agencies to academic and healthcare institutions, where the need for secure, auditable, and efficient document sharing is critical. In an era where data security and transparency are of utmost importance, a blockchain-based document sharing , system represents a pioneering solution to safeguard sensitive information while streamlining collaboration.

No. of Pages : 6 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341078858 A

(19) INDIA

(22) Date of filing of Application :21/11/2023

(43) Publication Date : 01/12/2023

(54) Title of the invention : LEVY TAX ON

<p>(51) International classification :G06Q0040000000, H04L0009320000, G06Q0050260000, G06Q0040020000, G06F0021640000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES Address of Applicant :Vinjanampadu, Vatticherukuru Mandal, Guntur, Andhra Pradesh, India-522017. ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)N. Jayabhagyam Address of Applicant :Assistant Professor, Department of IT, jaya19.nelapati@gmail.com ph.No: 8184892217 KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 2)M. Sai Krishna Prasad Address of Applicant :Saikrishnaprasad2002@gmail.com 9390854145 B.Tech 4th year KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 3)K. Ganesh Address of Applicant :kolaganiganesh79@mail.com 9390190386 B.Tech 4th year KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 4)K. Shankar Address of Applicant :chowdarykethanapallishankar@gmail.com 6300259948 B.Tech 4th year KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 5)M. Yaswanth Bhasha Address of Applicant :yaswantharak03@gmail.com 6302011467 B.Tech 4th year KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 6)M. Kiran Address of Applicant :Kiranmovva.9790@gmail.com 6301485391 B.Tech 4th year KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. ----- 7)J. Suresh Address of Applicant :sureshbabuiidugul00@gmail.com 9494550387 B.Tech 4th year KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES, Vinjanampadu, Guntur, Andhra Pradesh, India-522017. -----</p>
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(57) Abstract :

Corruption in government systems leads to, misuse of taxpayer funds, hampering economic development. Manual tax calculations are error-prone and inefficient. Auditing of large V companies is challenging due to reliance on physical or basic digital records lacking fault tolerance. This paper proposes leveraging blockchain technology to increase transparency in government spending and automate tax calculations and auditing. A deCentralized, I immutable blockchain ledger would record government budgets and expenditures, contracts, and financial transactions in a tamper-proof way visible to all citizens. Smart contracts would enable real-time tax computations and auditing based on financial data stored on the blockchain, reducing errors and improving efficiency. ' The blockchain-based system is fault tolerant and facilitates transparency. This paper argues that transitioning key government financial functions like taxation and auditing to an automated blockchain system could limit corruption and misuse of funds, improving economic outcomes.

No. of Pages : 6 No. of Claims : 5

(54) Title of the invention : PAY-PER USE MEDIA : ONLINE BLOCKCHAIN STREAMING

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(57) Abstract :

The Pay-Per-Use Media System Using Blockchain Technology embodies a paradigm shift in the realm of digital media distribution. It presents an avant-garde solution to the inefficiencies and opacities that have historically plagued traditional pay-per-use media models. By harnessing the formidable power of blockchain technology, this system offers a secure, transparent, and frictionless platform for users to access and remunerate media-content on a microtransactional basis. The system's distinguishing features encompass media tokenization, user wallets, smart contracts, a decentralized blockchain network, and a user-centric media player, all orchestrated to augment user experience and bolster content providers' revenue streams. This invention holds the potential to usher in a new era of digital media distribution, one characterized by enhanced security, efficiency, and user empowerment. Through the elimination of intermediaries and a commitment to decentralized control, it fosters trust and transparency within the media ecosystem while affording content providers and consumers an unprecedented degree of autonomy. This innovative system promises to redefine the dynamics of pay-per-use media access, empowering both creators and consumers in an increasingly dynamic and decentralized media landscape.

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