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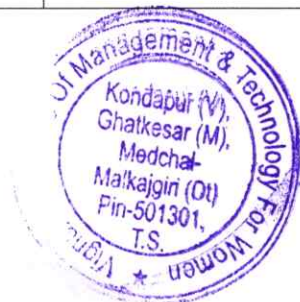


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		Dr.Samiran Chatterjee				
		Dr G. Apparao Naidu				
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(21) Application No.202241025728 A

(19) INDIA

(22) Date of filing of Application :03/05/2022

(43) Publication Date : 03/06/2022

(54) Title of the invention : **DISCOVERING DATASETS FOR USE IN DATA ANALYTICS, METHOD AND THEREOF**

(51) International classification :A61F0002300000, G06Q0010060000, H04L0012781000, G06F0016904000, A61B0005055000

(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 :

It is possible to receive an introductory work package. One or more steps of an automated data analytics lifecycle are followed in creating the first work package, which 5 describes at least one hypothesis connected with a specific data issue. A large number of datasets have been found. One or more datasets from the plurality of datasets relevant to at least one hypothesis are identified from the plurality of datasets. At least one hypothesis is evaluated using at least a fraction of the one or more identified datasets, and if possible, the whole dataset is used.

No. of Pages : 17 No. of Claims : 5

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(21) Application No.202241025714 A

(19) INDIA

(22) Date of filing of Application :03/05/2022

(43) Publication Date : 13/05/2022

(54) Title of the invention : **High yield Crop precision modern agriculture methods and thereof**

(51) International classification :G06Q0050020000, A01B0079000000, G06N0005020000, G06N0020000000, G06Q0010040000
(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 :

To predict crop production and identify a set of farming operations that, if carried out, will optimize crop production, a crop prediction system employs a variety of machine learning techniques to predict crop production and identify set farming operations that, if carried out, will optimize crop production. The crop prediction system uses crop prediction models built using a variety of machine learning methods and based on geographic and agronomic data. When a farmer submits a request, the crop prediction system may obtain information representations of a section of land matching the request, such as the location of the land and the related meteorological conditions and soil composition. To anticipate crop yield and identify an optimal set of farming activities for the producer to conduct, the crop prediction system uses one or more crop prediction models in conjunction with the access information.

No. of Pages : 12 No. of Claims : 4



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(21) Application No.202241025730 A

(19) INDIA

(22) Date of filing of Application :03/05/2022

(43) Publication Date : 13/05/2022

(54) Title of the invention : CNN algorithm based self driving car for future smart city road method and thereof

(51) International classification :G06N0003040000, G06N0003080000, G08G0001000000, G05D0001000000, G06Q0030020000
(86) International Application No :PCT//
Filing Date :01/01/1900
(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 :

Artificial Intelligence (AI) in everyday life will pave a new path into the future, making difficult work simple. One example of the advancement of artificial intelligence technology is the development of self-driving automobiles. However, according to data, there have been certain instances in which self-driving vehicles have killed humans due to a failure in the forecast or a hardware fault. The accuracy of AI models, as well as human participation in the process of making them flawless, is essential for overcoming these types of circumstances. Example: If there are passengers in a self-driving car and the vehicle loses control due to a fault in the computer hardware that was installed in the vehicle, then an authorized person in the vehicle should be able to instruct it to control the vehicle using voice commands at that point in the journey. It is the primary objective of this invention to discuss the creation of Self-Driving Cars using Convolutional Neural Networks (CNN), the advantages and disadvantages of employing CNN, and potential remedies to the disadvantages.

No. of Pages : 18 No. of Claims : 4



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241025669 A

(19) INDIA

(22) Date of filing of Application :03/05/2022

(43) Publication Date : 13/05/2022

(54) Title of the invention : **Brain tumor diagnosis with advance Image technology and Machine learning method and thereof**

(71)Name of Applicant :

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(51) International classification :G06K0009620000, G06K0009460000, G06F0016280000, A61B0001000000, H03M0007300000
(86) International Application No :PCT//
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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
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(57) Abstract :

The technique and system for creating a microendoscopic picture of a taxonomic organization are disclosed in the invention. The symbol for the local feature description has been retrieved from a microendoscopic picture. The differentiation dictionary of innovation is used to encode each symbol representing a local feature description. According to the invention, the dictionary comprises the link between certain sub-dictionaries of classification and punishment and the foundation of various sub-dictionaries connected to classification and punishment. According to the research, local feature description is encoded using the differentiation dictionary encoding, and tissue in a microendoscopic picture is categorized using the machine learning type grader of training.

No. of Pages : 19 No. of Claims : 5



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241025685 A

(19) INDIA

(22) Date of filing of Application :03/05/2022

(43) Publication Date : 13/05/2022

(54) Title of the invention : **Automated screening and diagnosis of common vision-threatening diseases method and thereof**

(51) International classification :A61N0001360000, A61B0003032000, G06Q0050220000, G09B0019000000, H04B0001100000
(86) International Application No :PCT//
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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
Filing Date :NA

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(57) Abstract :

The terms method and equipment for performing a visual screening or test are used interchangeably in this invention. In this approach, a vision screening or test is shown on a display device after it is begun by a controller, such as a portable keypad controller, that is operatively coupled with the computer-processing unit. The procedure also involves performing the vision screening or test interactively, without the need for the assistance of a healthcare expert.

No. of Pages : 19 No. of Claims : 5



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241020197 A

(19) INDIA

(22) Date of filing of Application :04/04/2022

(43) Publication Date : 15/04/2022

(54) Title of the invention : **Undecimated wavelet transforming using MATLAB simulation.**

(51) International classification :G06F0030200000, G05B0017020000, H04M0003540000, H04N0021422700, G01B0011300000
(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
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(57) Abstract :

The Present inventions discloses a Undecimated wavelet transforming using MATLAB simulation. Wherein, A simulation method based on MATLAB, which is characterized by including: According to the preset first sampling period, save the intermediate data in the simulation process; The intermediate data is displayed according to a preset second sampling period.

No. of Pages : 14 No. of Claims : 3



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241020150 A

(19) INDIA

(22) Date of filing of Application :04/04/2022

(43) Publication Date : 15/04/2022

(54) Title of the invention : IoT Interoperability and multi-platform integration

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(51) International classification :H04L0029080000, H04W0004700000,
H04L0029060000, G06F0009540000,
H04W0092020000
(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

(57) Abstract :

IoT Interoperability and multi-platform integration The present invention relates to a security interoperability framework technology between heterogeneous Internet of Things (IoT) service platforms, and more particularly, to secure security interoperability between IoT platforms when interworking between heterogeneous IoT platforms is performed. Security interoperability framework and apparatus thereof.

No. of Pages : 18 No. of Claims : 3



The Patent Office Journal No. 15/2022 Dated 15/04/2022

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PRINCIPAL
Vignans Institute of Management & Technology For Women
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Telangana State

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241000094 A

(19) INDIA

(22) Date of filing of Application :03/01/2022

(43) Publication Date : 14/01/2022

(54) Title of the invention : **Cultivation of Agricultural Data Using IoT**

(51) International classification :H04N0007180000, G05D0027020000, G06Q0050020000, H04L0029080000, G05B0019418000
(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 :

Networked facility farmland monitoring and control device transmits facility farmland environment parameters and corresponding video files to the monitoring and early warning platform via the Internet of Things. The monitoring platform receives and processes the facility farmland environment parameters and video files from the networked farmland monitoring and control device. With the Internet of Things, a central data collection device, and a slew of regulated data acquisition devices, the monitoring and early warning platform receives data from the facility farming environment in real-time through either a 4G or Ethernet network. Various farming operations in the facility greenhouse agricultural production process may be efficiently led by the facility farmland environment parameters monitored in real-time in the monitoring and early warning platform. Facility farming applications may benefit greatly from the system.

No. of Pages : 21 No. of Claims : 4



The Patent Office Journal No. 02/2022 Dated 14/01/2022


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1552

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141050901 A

(19) INDIA

(22) Date of filing of Application :06/11/2021

(43) Publication Date : 03/12/2021

(54) Title of the invention : A MEDICAL IMAGE PROCESSING SYSTEM, IMAGE PROCESSING METHOD, AND MEDICAL IMAGE PROCESSING DEVICE

(51) International classification :G06T0019200000, G16H0030200000, A63F0013980000, G06T0007000000, G06T0007730000
(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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9)Mr.Tarun Jaiswal

10)Dr.Sirisati Ranga Swamy

Name of Applicant : NA

Address of Applicant : NA

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(57) Abstract :

[037] The present invention discloses a medical image processing system, image processing method, and medical image processing device. The system includes, but not limited to, a processing unit for a medical image capturing device, comprising a voice input means for receiving voice commands from a user; an image input means for receiving image data from the medical image capturing device; an image output means for outputting medical images to a display device. Further, the processing unit is configured for processing the image data to generate images of internal features of a body, the processing unit is provided zooming the images, the zooming includes means for defining, in response to a set of voice commands from a user, zoomed views of a plurality of non-overlapping subsets of a field of view of the medical image capturing device for a particular position and orientation of the medical image capturing device. Accompanied Drawing [FIG. 1]

No. of Pages : 23 No. of Claims : 10



The Patent Office Journal No. 49/2021 Dated 03/12/2021

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CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021106612

The Commissioner of Patents has granted the above patent on 24 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

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Title of invention:

Smart Artificial intelligence based fleet analytic system

Name of inventor(s):

Surapaneni, Phani Praveen; S., Mahalakshmi.; Sahana, Sudip Kumar; M., Vinay; Loganathan, M. K.; Hati, Ananda Shankar; Ranga Swamy, S.; Jaglan, Vivek; Hasan, Mohd Asif; Champaty, Biswajeet; Nandan, Mauparna and Mahapatra, R. P.

Term of Patent:



Dated this 24th day of November 2021

Commissioner of Patents



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PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021106612

Eight years from 23 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 24th day of November 2021

Commissioner of Patents



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PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details of this patent.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111028832 A

(19) INDIA

(22) Date of filing of Application :27/06/2021

(43) Publication Date : 23/07/2021

(54) Title of the invention : **IMAGE CONTRAST ENHANCEMENT SYSTEM WITH FUZZY BASED THRESHOLD HISTOGRAM EQUALIZATION**

(51) International classification

:G06T0005000000,
G06T0005400000,
G06T0005200000,
H04N0005200000,
G01S0007520000

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application

:NA

Number

:NA

Filing Date

(62) Divisional to Application Number

:NA

Filing Date

:NA

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10)Dr.Gouse Baig Mohammad

(57) Abstract :

Due to varying light source distributions and positions, the problem of overexposure or underexposure might arise during the imaging process. The goal of image enhancement technology is to overcome problems with an image's detailed information that are relatively poor. The fundamental purpose of improving the image is to reveal the hidden details or increase the contrast among images and a new dynamic range. The equalization of histograms is one of the most widely utilized methods for the improvement of image contrast as it is quick and simple to implement. The Fuzzy based Threshold Histogram Equalization approach is a strong tool for enhancing image contrast. The present invention disclosed herein is Image Contrast Enhancement System with Fuzzy based Threshold Histogram Equalization comprising of: Input Image (201); Fuzzification (202); PDF Estimation (203); Histogram Equalization (204); Mapping (205); and High Contrast Image (206); used as a scalable method for enhancing the contrast of an image with the help of Fuzzy Logic and Threshold based Histogram Equalization. The present invention discloses the method and the apparatus used, the type of the input image, the use of fuzzy logic. The image enhancement method is estimated numerically with Features Similarity index (FSII), Contrast Improvement Index (CII), and Entropy (H) in present invention, as set out in the present invention. With the present invention, implemented in the Mat Lab R2019 (a) environment, the Feature Similarity Index (FSIM) of 0.992, a Contrast Improvement Index (CII) of 8.32 and 0.682 bits/symbols entropy are obtained.

No. of Pages : 12 No. of Claims : 7



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041042912 A

(19) INDIA

(22) Date of filing of Application :02/10/2020

(43) Publication Date : 09/10/2020

(54) Title of the invention : **IOT MALWARE ANALYSIS SYSTEM WITH DEEP LEARNING APPROACH**

(51) International classification :G06F
21/56
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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 Internet of Things (IOT) is a networks used to collect and transfer the data over the Wireless Network without human intervention due to the increasing facility of Internet. The IOT Malware can scan open port of IOT services, performs brute-force attack to gain access to IOT. Analysis of such an IOT network Malware is Complex. The IOT Malware Analysis System with Deep Learning Approach disclosed here makes the IOT Malware Analysis easy. The Present Invention, IOT Malware Analysis System with Deep Learning Approach comprising of: IOT Malware Dataset (401); Gray Scale Converter (402); Texture Descriptor (403); Classification (404); provides the analysis of the Malware present in the IOT network by the Deep Learning Approach. The Supervised Machine Learning Random Forest Classifier provides the Malware Classification Accuracy of 95.4%.

No. of Pages : 14 No. of Claims : 5



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041034350 A

(19) INDIA

(22) Date of filing of Application :11/08/2020

(43) Publication Date : 04/09/2020

(54) Title of the invention : **ERGONOMICALLY DESIGNED DIE CASTING TABLE FOR SAFETY AND QUALITY MANAGEMENT**

(51) International classification :B22D17/22
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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 :

A die casting table designed using carousel concept to enhance safety during pouring process, which helps maintain temperature of molten metal by reducing distance between furnace and die, reduces defects which occurs due to downfall in temperature of metal, thereby improving quality and increasing safety. As a result, the rejection rate of die castings at the remote facility may be reduced.

No. of Pages : 14 No. of Claims : 4



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Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020102129

The Commissioner of Patents has granted the above patent on 30 September 2020, and certifies that the below particulars have been registered in the Register of Patents.

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Title of invention:

IML- Data Cleaning: **INTELLIGENT DATA CLEANING USING MACHINE LEARNING PROGRAMMING**

Name of inventor(s):

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Term of Patent:

Eight years from 3 September 2020

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 30th day of September 2020.
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Commissioner of Patents
Telangana State

PATENTS ACT 1990

Australian Patents Register is the official record and should be consulted for the full details pertaining to this IP Right



(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941054742 A

(19) INDIA

(22) Date of filing of Application :31/12/2019

(43) Publication Date : 28/08/2020

(54) Title of the invention : **A NOVEL METHOD AND SYSTEM FOR HUMAN ACTION RECOGNITION USING DEPT MOTION MAP AND CONVOLUTION NEURAL NETWORKS**

(51) International classification	:G06K0009000000, G06K0009460000, G06K0009620000, G06N0003040000, G06T0007730000	(71)Name of Applicant : 1)S. Sandhya Rani Address of Applicant :Flat no 303,sai shiva re no :1 Jawahar Nagar colony, chanda nagar, Telar
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(32) Priority Date	:NA	2)Dr. Mohammad Ilyas
(33) Name of priority country	:NA	3)Dr. T SYED AKHEEL
(86) International Application No	:NA	4)Dr. Farha Anjum
Filing Date	:NA	5)Mahesh Enumula
(87) International Publication No	: NA	6)Dr. G VENKATARAMANA SAGAR
(61) Patent of Addition to Application	:NA	7)Dr. Appa Rao Naidu
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Filing Date	:NA	9)Dr.P.Chandrasekhar Reddy
(62) Divisional to Application Number	:NA	10)Dr. V. Usha Shree
Filing Date	:NA	11)Dr.V.VIJAYA KISHORE

(57) Abstract :

Human Action Recognition has become the most significant research area for several applications like smart houses, etc. However, in computer vision, action recognition from videos is one of the most of extraneous aspects like Occlusions, backgrounds, noises and so on. One solution to overcome the above acquiring only motion and shape cues from depth action video sequences. With this objective, in this paper, a new action representation approach is proposed based on Depth Motion Map (DMM), called as Difference Depth Motion Map (DDMM). A well-designed CNN is trained especially to extract the features from two actions with a similar structure. The CNN model in this paper involves five convolutional layers, three pooling layers, and one fully connected layer. The experimental results proposed method are compared with conventional methods on the publicly available dataset, MSR Action 3D. The experimental analysis proves that the proposed approach outperforms the prior art techniques.

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No. of Pages : 17 No. of Claims : 6



The Patent Office Journal No. 35/2020 Dated 28/08/2020

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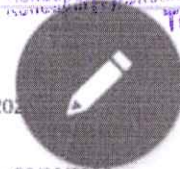
(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941054742 A

(19) INDIA

(22) Date of filing of Application :14/01/2020

(43) Publication Date : 28/08/2020



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041029812 A

(19) INDIA

(22) Date of filing of Application :14/07/2020

(43) Publication Date : 21/08/2020

(54) Title of the invention : **SOCIAL MEDIA SENTIMENTS: PROFILE BASED MAPPING SOCIAL MEDIA SENTIMENTS USING DEEP LEARNING PROGRAMMING.**

(51) International classification

:G06Q
50/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

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(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

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(61) Patent of Addition to Application Number

:NA

Filing Date

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(62) Divisional to Application Number

:NA

Filing Date

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(57) Abstract :

Patent Title: Social Media Sentiments: PROFILE BASED MAPPING SOCIAL MEDIA SENTIMENTS USING DEEP LEARNING PROGRAMMING. ABSTRACT My Invention Social Media Sentiments is a computer-implemented deep learning method analysis, accessing social media data, if the social media data is associated with more than two profiles and corresponds to a venue. The invented method further includes determining sentiment information corresponding to more the two profiles based on available social media data. The invented method also, more the two profiles: identifying a path through the venue, wherein the path represents at least one movement associated with the profile and associating the sentiment information with the path through the venue. The invented method also includes, responsive to associating the sentiment information with the path through the venue for each of the more the two profiles, identifying one or more trends. The invented method also includes presenting the one or more trends for review. A corresponding computer system and computer program product are also including all the required steps.

No. of Pages : 8 No. of Claims : 10



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PRINCIPAL

Vignana's Institute of Management & Technology For Women
Kondapur(V), Ghatkesar(M), Medchal-Malkajgiri(Dt)-501301

The Patent Office Journal No. 34/2020 Dated 21/08/2020

Telangana State

33066

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041032685 A

(19) INDIA

(22) Date of filing of Application :30/07/2020

(43) Publication Date : 21/08/2020

(54) Title of the invention : **ERGONOMICALLY DESIGNED HELMET WITH NATURAL OXYGEN FOR PREVENTION FROM AIR BORNE DISEASES & IOT FOR HEALTH MONITORING**

(51) International classification

:A42B
3/04

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

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(62) Divisional to Application Number

:NA

Filing Date

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3)Vaneeta M

4)DEEPA S.R

5)Abhijith Saralaya

6)Yalaguresh M Naik

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(57) Abstract :

The invention discloses a lightweight portable helmet capable of reducing the transmission capability of airborne diseases and providing protection and of entire, face, eyes, nose, mouth, ears, mouth against airborne diseases which is easily mountable on the head and is light weight. The helmet has the capability of generating fresh oxygen as areca palm is mounted inside the circumference of the inner band and areca palm posses the capability to purify environment and remove dangerous chemicals like formaldehyde, xylene and toluene. The front cover of the helmet is ergonomically designed which allows air to pass from inside out easily , The helmet is capable of recoding data from temperature sensors and communicating the same to the doctors/physicians to provide a real time data using IOT technology.

No. of Pages : 10 No. of Claims : 1



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041034055 A

(19) INDIA

(22) Date of filing of Application :07/08/2020

(43) Publication Date : 21/08/2020

(54) Title of the invention : **EFFECTIVE INSTRUCTORS FEEDBACK SYSTEM FOR EDUCATION SYSTEM AND METHODS THEREOF**

(51) International classification :A61B
90/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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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6)Swetha Gadde
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(57) Abstract :

The invention discloses a feedback system capable of improving the Instructors in the field of teaching and research, thereby creating reliable, improved and learned instructors for the betterment of the education system. The feedback system has the capability of generating feedback with better accuracy and hence easily identifying the areas of weaknesses and strengths of the individual instructors. The feedback system has the capability of understanding instructor from perspectives of all the stakeholders involved, thereby generating a rating with areas of improvement, The system also has the capability of addressing the weaker areas by following a PDCA (Plan Do Check Act) Cycle. The system uses Machine learning methods to suggest mentors in the areas of Teaching areas and research areas and automatically assigns the mentors to instructors and monitors the progress and suggests corrective measures wherever required

No. of Pages : 12 No. of Claims : 5



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041018639 A

(19) INDIA

(22) Date of filing of Application :01/05/2020

(43) Publication Date : 05/06/2020

(54) Title of the invention : **MEDICAL SUPPLY CHAIN TO TRACK COUNTERFEIT DRUGS USING BLOCKCHAIN TECHNOLOGY**

(51) International classification :H04L0009320000,
G06Q0010060000,
G06Q0010080000,
A61G0012000000,
A61L0029080000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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 :

Without a proper mechanism to track and authenticate drugs, both stakeholders and consumers experience problems. Stakeholders become incapable of optimizing their production and storage as they are unable to analyze the demands. Likewise, the consumer remains suspicious about the authenticity of the drug. Although, the disputes caused due to this unseen journey of medicine can be solved by adopting a medical supply chain. A medical supply chain promotes the updating of medicine status at each checkpoint. Currently, in the market, medical supply chains are present, but they are centralized. Typically, a centralized medical supply chain is tedious and expensive to maintain, it does not provide adequate features to analyze the market, and above all, it brands merely a certificate to prove the authenticity of the drug. However, by using the blockchain platform, the medical supply chain problems can be solved efficiently. This invention explains the blockchain technology and how it works, at the same time, observes how it can help to maintain medical supply chain records while maintaining ease and trust. Moreover, the blockchain platforms and their dependencies are explained. The implementation and design of the medical supply chain on a blockchain is performed using smart contracts, Web3.js library, and JavaScript. Furthermore, the system is tested on both a local network, using Truffle Suit, and Rinkeby test network.

No. of Pages : 18 No. of Claims : 3



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041023388 A

(19) INDIA

(22) Date of filing of Application :04/06/2020

(43) Publication Date : 12/06/2020

(54) Title of the invention : **NAVIGATION GUIDANCE FOR DIFFERENTLY ABLED PERSON**

(51) International classification

:G01C
21/34

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(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

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(57) Abstract :

This proposal is an embedded system based technique and the main objective of this proposed design is a blind man protection system to detect the obstacles using ultrasonic sensor. This blind man protection device is used to prevent against mishapenness which leads to great loss of human lives due to automobiles collisions, obstacles, and accident. This gives a disastrous result to human lives. So the main purpose of this design is to detect the other automobiles, obstacles and bystanders in order to prevent accidents. This proposal is designed for blind people to avoid obstacles. Here, an ultrasonic sensor is used to detect any obstruction and it in turn signals the microcontroller. Whenever the obstacle comes near the stick an ultrasonic sensor senses the obstacle and signals to the microcontroller and in turn the microcontroller will on the voice chip. The detector circuitry consists of two way ultrasonic integrated detection. The detector houses the transmitter as well as receiver. The detectors are positioned on the blind man stick. Once the detector recognizes any obstacle, the microcontroller signals and in turn on the sensor which is interfaced to the microcontroller.

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



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Telangana State

The Patent Office Journal No. 24/2020 Dated 12/06/2020

21996

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941046017 A

(19) INDIA

(22) Date of filing of Application :12/11/2019

(43) Publication Date : 17/01/2020

(54) Title of the invention : **AGRICULTURE MONITORING SYSTEM BASED ON WIRELESS SENSOR NETWORK**

(51) International classification :G05B19/05
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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 :

An agriculture monitoring system based on wireless sensor network comprising multiple sensors mapped in a crop field for sensing a set of parameter(s) related to condition(s) of crop(s) present in the crop field, a data storage unit associated with the sensor(s) for receiving and storing the parameters, a user platform wirelessly connected with the data storage unit for displaying the parameter(s) to a user in order to monitor condition(s) of the crop(s), a disease detection module associated with the user platform for identifying presence of a disease in the crop(s) and classifying the disease into a category, an alerting module connected with the detection module for producing an alarm signal upon detection of disease and a recommendation module accompanied by the alerting module for suggesting preventive measure(s) to safeguard the crop(s). Refer. To Figure 1

No. of Pages : 11 No. of Claims : 7



W.A.S.

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(12) PATENT APPLICATION PUBLICATION

(21) Application
No.201941054460 A

(19) INDIA

(22) Date of filing of Application :30/12/2019

(43) Publication Date : 03/01/2020

(54) Title of the invention : **IHY-PREDICTION: INTELLIGENT SYSTEM AND METHOD FOR ADVANCED HARVEST YIELD PREDICTION USING IOT BASED TECHNOLOGY**

(51)
International :G06K0009000000,G06Q0050020000,G06Q0010060000,G06N0020000000,A01G0007000000
classification
(31) Priority
Document :NA
No
(32) Priority :NA
Date
(33) Name
of priority :NA
country
(86)
International
Application :NA
No :NA
Filing
Date
(87)
International :NA
Publication
No
(61) Patent
of Addition
to :NA
Application :NA
Number :NA
Filing
Date
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Number :NA
Filing
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(57) Abstract :

The Invention IHY-Prediction • is A system and method for predicting advanced harvest yield. The method includes receiving monitoring data related to at least one crop, wherein the monitoring data includes at least one multimedia content element showing the at least one crop; analyzing, via machine vision, the at least one multimedia content element; extracting, based on the analysis, a plurality of features related to development of the at least one crop; and generating a harvest yield prediction for the at least one crop based on the extracted features and a prediction model, wherein the prediction model is based on a training set including at least one training input and at least one training output, wherein each training output corresponds to a training input.

No. of Pages : 24 No. of Claims : 8



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941042929 A

(19) INDIA

(22) Date of filing of Application :22/10/2019

(43) Publication Date : 25/10/2019

(54) Title of the invention : **METHOD FOR DATA TRANSMISSION**

(51) International classification :G06Q20/20
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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 present invention relates to a method for data transmission, wherein the method comprising the steps of exchanging a data from a first node to second node, wherein the data comprises of vector, free buffer size and energy level, comparing the energy level of the first node with the second node upon receiving the data from the first node, copying the received data for transmission, wherein the data is copied on a basis of the free buffer size available in the second node, transmitting the copied data to a transmit list if energy level and buffer size of the second node is higher than the first node and broadcasting the copied data residing in the transmit list to reduce an energy consumption of the first and second node and prolong the life expectancy of a network.

No. of Pages : 11 No. of Claims : 7




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