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3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Patent Details- 2023-24

Sl.no	Year	Name of the Faculty	Title	Status		Patent Application Number/ Design Number	Link(proof)
				Published	Granted		
1	23/08/2024	Dr. Sowmya Naik P T	Automatic Seed Sowing Robot for Agriculture	------	Granted	6303371(UK Patent)	https://www.registered-design.service.gov.uk/find/6304788
2	25/03/2024	Dr. Sowmya Naik P T Prof. R Mirudhula Prof. M. Mathivanan Prof. V. John Peter Prof. B. Sakthivel Prof. G. Satheesh Kumar	AI Based Smart Glasses for Determining Retinal Stress	Published			https://drive.google.com/file/d/1va52IeovoFDSdrVKPjo-gzVKT6wZ-PSw/view?usp=drive_link
3	01/12/2024	Dr. Sowmya Naik P T	Dynamic Resource Allocation System for Scalable Cloud-Based Big Data Analytics	Published		202341089545 A	https://vahan.parivahan.gov.in/vahanservice/vahan/ui/appl_status/form_Know_Appl_Status.xhtml
4	23/08/2024	Dr.Sowmya, Dr Ambika P R Girish G A B Ramesh Prof. B Sakthivel	Solar Based Irrigation System	------	Granted	6304788 (UK Patent)	https://www.registered-design.service.gov.uk/find/6304788
5	23/08/2024	Mrs. Swetha A Mrs.Vibhavi R N	AI Based Cybersecurity Management for Industry 4.0	Published	----------	202341065401(Indian Patent)	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
6	23/08/2024	Mrs.Swetha A Mrs.Vibhavi R N Mrs.Shruthi B S	AI -Enabled Machine Learning for Intelligent Financial Tracking System	Published	----------	202341076844(Indian Patent)	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
7	23/08/2024	Mrs.Shruthi B S	Blockchain Based Authentication System for IOT Networks	Published	----------	202341066014(Indian Patent)	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus

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8	23/12/2024	Mr.Mahadeva Prasad.H.M	Biosensor Device to Detect Lung Cancer		Granted	(Indian Patent)	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
9	24/02/2024	Mrs.Swetha A	AI Enhanced Nurosense Based Health Advise System	------	Granted	6330072 (UK Patent)	https://www.registered-design.service.gov.uk/find/6330072
10	24/02/2024	Mr.John Peter V	Agriculture Drone for Plant Health Monitoring System	------	Granted	6346424 (UK Patent)	https://www.registered-design.service.gov.uk/find/6346424
11	01/02/2024	Mr.Vishva Kiran R C	Distributed Vectors of a Newly Created Local Multi Scale Fourier Transform for Use in Medical Imaging	Published	----------	202441006965(Indian Patent)	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
12	12/02/2024	Mr.GOPIKISHAN J	Wireless Charging Technology for Electric Vehicles	Published	----------	202441009349(Indian Patent)	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
13	13/04/2024	Mrs.Spoorthi M Mrs.Menaka C N	Development Of Blockchain & Machine Learning Based Governance Models Enhancing Corruption-Transparency	Published		202441029971(Indian Patent)	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
14	1-12-2023	Dr.Shalini Prasad	Enhancing Atm Security and Convenience With Nfc And Fingerprint Authentication	Published		202341071986(Indian Patent)	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
15	1-9-2023	Dr S Vagdevi	Machine Learning based Solid waste management in Smart Cities	Published		202341035068 (IndianPatent)	https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal
Patent Details- 2021-22							
1	10-12-2021	Dr.Shalini Prasad	Intelligent- SIM: Multiple Company Mobile Number Installed in Single SIM (Single Sim, Multiple Networks.	Published		202141051542(Indian Patent)	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
2	17/11/2021	Dr.Shalini Prasad	Big Data and Cloud Bursting Real- Time Intelligent scheduling using Machine Learning.	Published		202141052902(Indian Patent)	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
3	25/06/2021	Dr.Shalini Prasad	Novel Method For Magnet Electricity Generator	Published		202141026242(Indian Patent)	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

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4	28/10/2022	Dr S Vagdevi Dr. S Jagannathan Mrs Mrs.Vindhya R	Ai Based Approach For Energy/ Power Transmission Through Wireless Networks	Published	--	202241060521(Indian Patent)	https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal

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Next to Gokulam Apartment, Bangalore - 560 062.

Criteria 3- Research, Innovations and Extension

Key Indicator: 3.2- Innovation Ecosystem

Metric Number: 3.2.1 QlM.

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation center and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident.

PATENTS DETAILS

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Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6303371

Grant date: 22 August 2023

Registration date: 13 August 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr.Thota Sravanti, Dr. Sowmya, Mr.Tarun Jaiswal, Dr.Sushma Jaiswal

in respect of the application of such design to:

Automatic Seed Sowing Robot for Agriculture

International Design Classification:
Version: 14-2023
Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED
Subclass: 03 AGRICULTURAL AND FORESTRY MACHINERY

Adam Williams

Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf.

THE PATENT OFFICE — DIEU ET MON DROIT — OFFICIAL

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Intellectual Property Office

Registered design
[UNCERTIFIED COPY]

Design details

Design application number
6303371

Filing date (provisional)
13 August 2023

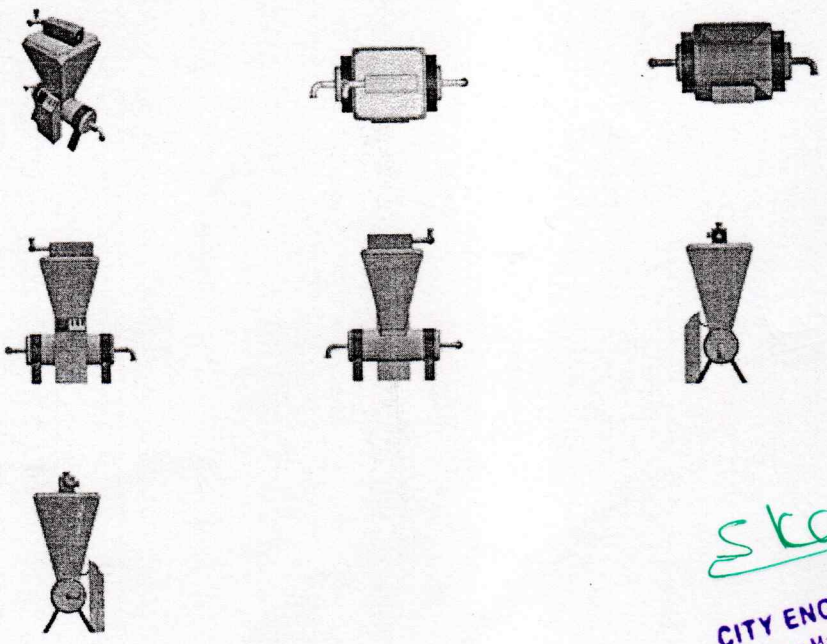
Defer registration
No

Design
Automatic Seed Sowing Robot for Agriculture

Additional description
None

Illustration disclaimer
No claim is made for the colour shown

Illustrations



No

Priority claims

None

Owner details

Dr.Thota Sravanti
Associate Professor, Department of ECE, Pallavi Engineering College, Hayathnagar, Kuntloor Village, Hayathnagar, Swathi Residency Road, Hyderabad, Telangana, Pin Code:501505, India

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Professor & Head, Department of Computer Science & Engineering, City Engineering College, Bangalore, Karnataka, Pin Code:560061, India

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Research Scholar, Department of Computer Application, National Institute of Technology (NITRR), Raipur, Chhattisgarh, Pin Code:492010, India

Dr.Sushma Jaiswal
Assistant Professor, Department of CS & IT, Guru Ghasidas Vishwavidyalaya (A Central University), Koni, Bilaspur, Chhattisgarh, Pin Code: 495009, India

Contact details

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13-15 TRAFALGAR ROAD, BLACKPOOL, FY1 6AW, United Kingdom
Email: iprconsultant@gsepublications.com
Phone: 9542354100

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INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
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सत्यमेव जयते

ORIGINAL
क्रम सं/ Serial No. : 170191

पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 411758-001

तारीख / Date : 27/03/2024

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *AI BASED SMART GLASSES FOR DETERMINING RETINAL STRESS* से संबंधित है, का पंजीकरण, श्रेणी 16-06 में 1.Dr.R. Gunasekari 2. Dr.Ramya K 3.Prof Dhamarai Sevli .K.V 4.Prof. R Mirudhula 5.Prof.M. Mathivanan 6.Prof.V. John Peter 7.Dr. Sowmya Naik P T 8.Prof. B. Sakthivel 9.Prof.G. Satheesh Kumar 10.Prof.R. Monisha के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 16-06 in respect of the application of such design to *AI BASED SMART GLASSES FOR DETERMINING RETINAL STRESS* in the name of 1.Dr.R. Gunasekari 2. Dr.Ramya K 3.Prof Dhamarai Sevli .K.V 4.Prof. R Mirudhula 5.Prof.M. Mathivanan 6.Prof.V. John Peter 7.Dr. Sowmya Naik P T 8.Prof. B. Sakthivel 9.Prof.G. Satheesh Kumar 10.Prof.R. Monisha.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :
Date of Issue : 17/05/2024

उन्नत की ओर

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

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FORM 2

THE PATENTS ACT 1970

(39 of 1970)

&

The Patent Rules 2003

COMPLETE SPECIFICATION

(See section 10 and rule 13)

TITLE OF THE INVENTION

"Dynamic Resource Allocation System for Scalable Cloud-Based Big Data Analytics"

We, applicant(s)

NAME	NATIONALITY	ADDRESS
1. Mrs. Zahoora Abid	Indian	Assistant Professor, Department of Computer Science and Engineering, Nawab Shah Alam Khan College of Engineering and Technology, New Malakpet, Hyderabad, Telangana, India. Pin Code:500024
2. Dr. S.China Venkateswarlu	Indian	Professor, Department of Electronics & Communication Engineering, Institute of Aeronautical Engineering (Autonomous), Dundigal, Medchal-District, Hyderabad, Telangana, India. Pin Code:500043
3. Dr. Sowmya	Indian	Professor & Head, Department of Computer Science & Engineering, City Engineering College, Bangalore, Karnataka, India. Pin Code:560061
4. Dr. M.S.Murali Dhar	Indian	Associate Professor, Vel Tech Rangarajan Dr. Sagunthala R&D

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		Institute of Science and Technology, No.42, Vel Tech Road, Vel Nagar, Avadi, Chennai, Tamil Nadu, India. Pin Code:600062
5. Mr. Sudhakar Vecha	Indian	Assistant Professor, Department of Information Technology, Malineni Lakshmaiah Women's Engineering College, Guntur, Andhra Pradesh, India. Pin Code:522007
6. Mr. Md.Yaseen	Indian	Assistant Professor, Department of EEE, Anurag University, Hyderabad, Telangana, India. Pin Code:500088
7. Mr. T.Dinesh	Indian	Assistant Professor, Department of EEE, Anurag University, Hyderabad, Telangana, India. Pin Code:500088
8. Mrs. Jyothi Balreddygari	Indian	Assistant Professor, St. Francis College for Women, Research Scholar, Department of Computer Science, BESTIU, Begumpet, Hyderabad, Telangana, India. Pin Code: 500016
9. Ms. M.Gayathri	Indian	Assistant Professor, Department of CSE, Mahendra College of Engineering, Minnapalli, Attur Main Road, Salem, Tamil Nadu, India. Pin Code:636106
10. Ms. V.Dhanakodi	Indian	Assistant Professor, Department of CSE, Mahendra College of Engineering, Minnapalli, Attur Main Road, Salem, Tamil Nadu, India. Pin Code:636106

The following specification particularly describes the nature of the invention and the manner in which it is performed:

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Design number

6304788

Status
Registered

Registration date
22 August 2023

Renewal date
22 August 2028

Overview

Application date
22 August 2023

Grant date
1 September 2023

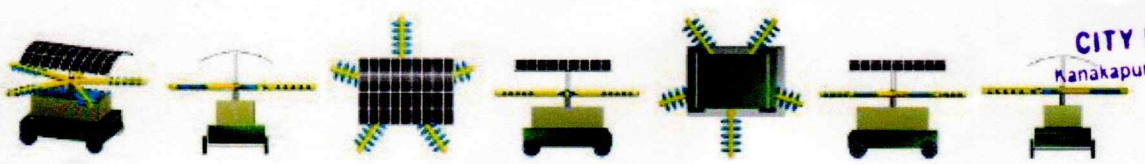
Publication date
2 September 2023

Indication of Product
SOLAR BASED IRRIGATION SYSTEM

Classification

Class	23 - FLUID DISTRIBUTION EQUIPMENT, SANITARY, HEATING, VENTILATION AND AIR CONDITIONING EQUIPMENT, SOLID FUEL
Sub class	01 - FLUID DISTRIBUTION EQUIPMENT
Class	15 - MACHINES, NOT ELSEWHERE SPECIFIED
Sub class	03 - AGRICULTURAL AND FORESTRY MACHINERY

Illustrations



Names and addresses

Contact (address for service)

Contechs Consulting Ltd
4 Sylvan Court, Sylvan Way, Southfields Business Park, BASILDON, SS15 6TH

Owners

Name	Address
Prof. RAMESH BATCHU	Assistant professor, Department of CSE, City Engineering College, Bangalore, 560062
Prof. GIRISH GOLLARAHALLI ASWATHANARAYANA	Assistant professor, Department of CSE, City Engineering College, Bangalore, 560062
Prof. AMBIKA PADINJAREVEDU RAGHAVAN	Assistant professor, Department of CSE, City Engineering College, Bangalore, 560062
Dr. SOWMYA POOJARY THIPPESWAMY NAIK	HOD, Computer Science and Engineering, City Engineering College, Bangalore , 560062
Prof. SAKTHIVEL BELATHAPPAN	HOD-ISE, City Engineering College, Bangalore, 560062
Prof. PRAKASH NARAYANAN CHENNAIYAN	Assistant Professor/CSE, P.S.V.College of Engineering & Technology, Krishnagiri, 635 108

History

No history is available for this design

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FORM 5

THE PATENTS ACT, 1970

(39 of 1970)

&

THE PATENTS RULES, 2003

DECLARATIONAS TO INVENTORSHIP

(See section10(6) and rule13(6)

1.APPLICANT(S)

NAME	NATIONALITY	ADDRESS
Mrs. S. Selvarathi Ponmalar	INDIA	HoD, Department of Electronics and Communication Engineering, Dr G U Pope College of Engineering, Sawyerpuram, Thoothukudi
Vibhavi R N	INDIA	Assistant Professor, Department of Computer Science and Engineering, City Engineering College, Doddakallasandra, Bangalore
Avick Kumar Dey	INDIA	Assistant Professor & Head, Department of Computer Applications, DSMS College, Durgapur
Swetha A	INDIA	Assistant Professor, Department of Computer Science and Engineering, City Engineering College, Doddakallasandra, Bangalore
Dr. Vivek S. Ayar	INDIA	Assistant Professor, National Institute of Advanced Manufacturing Technology, (NIAMT)-Ranchi, Jharkhand
Balaji M	INDIA	Assistant professor, Department of Mechanical Engineering, SNS College of Technology, SNS Kalvi Nagar, Sathy Main Road, Coimbatore

Hereby declare that he true and first inventor(s) of the invention disclosed in the complete specification filed in pursuance of our application no **…….** dated **…….** titled **"AI BASED CYBERSECURITY MANAGEMENT FOR INDUSTRY 4.0"** are

2.INVENTOR(S)

NAME	NATIONALITY	ADDRESS

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Mrs. S. Selvarathi Ponmalar	INDIA	HoD, Department of Electronics and Communication Engineering, Dr G U Pope College of Engineering, Sawyerpuram, Thoothukudi
Vibhavi R N	INDIA	Assistant Professor, Department of Computer Science and Engineering, City Engineering College, Doddakallasandra, Bangalore
Avick Kumar Dey	INDIA	Assistant Professor & Head, Department of Computer Applications, DSMS College, Durgapur
Swetha A	INDIA	Assistant Professor, Department of Computer Science and Engineering, City Engineering College, Doddakallasandra, Bangalore
Dr. Vivek S. Ayar	INDIA	Assistant Professor, National Institute of Advanced Manufacturing Technology, (NIAMT)-Ranchi, Jharkhand
Balaji M	INDIA	Assistant professor, Department of Mechanical Engineering, SNS College of Technology, SNS Kalvi Nagar, Sathy Main Road, Coimbatore

3.DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT(S) IN THE CONVENTION COUNTRY: -

~~I/We the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way of assignment from the true and first inventor(s).~~

4. STATEMENT (to be signed by the additional inventor(s) not mentioned in the application form)
NIL

Dated this 28th Day of September, 2023

To

The Controller of Patents

The Patent Office, Chennai

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Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

(http://ipindia.nic.in/index.htm)

Application Details	
APPLICATION NUMBER	202341065401
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/09/2023
APPLICANT NAME	1 . Mrs. S. Selvarathi Ponmalar 2 . Vibhavi R N 3 . Avick Kumar Dey 4 . Swetha A 5 . Dr. Vivek S. Ayar 6 . Balaji M
TITLE OF INVENTION	AI BASED CYBERSECURITY MANAGEMENT FOR INDUSTRY 4.0
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	fetsi.vm@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	06/10/2023

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

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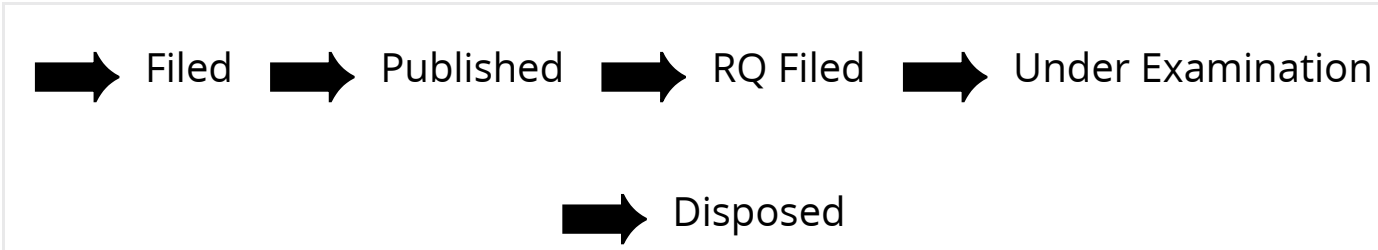

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GEOGRAPHICAL INDICATIONS

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Application Details	
APPLICATION NUMBER	202341076844
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/11/2023
APPLICANT NAME	1 . Dr. Srimathi. J 2 . Dr. Lakshmi. S.R 3 . Dr. Himanshu Maniar 4 . Dr. T. Sam Pradeepraj 5 . Ezhil Dyana M V 6 . N. Selvam 7 . Swetha A 8 . Shruthi B S 9 . Vibhavi R N 10 . M. Ragul Vignesh 11 . Radhakrishnan P 12 . Ravi Kumar M
TITLE OF INVENTION	AI-ENABLED MACHINE LEARNING FOR INTELLIGENT FINANCIAL TRACKING SYSTEM
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	patentpublucation@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	15/12/2023

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Application Status

APPLICATION STATUS	Awaiting Request for Examination

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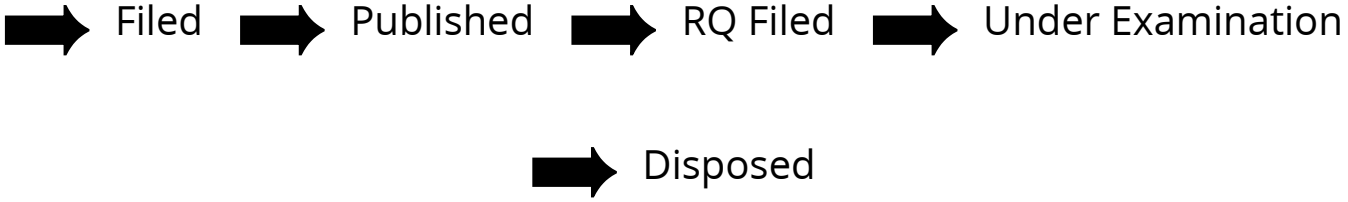

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FORM 2

THE PATENTS ACT 1970

39 OF 1970

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THE PATENT RULES 2003

COMPLETE SPECIFICATION

(SEE SECTIONS 10 & RULE 13)

1. TITLE OF THE INVENTION

"BLOCKCHAIN BASED AUTHENTICATION SYSTEM FOR IoT NETWORKS"

2. APPLICANT(S)

NAME	NATIONALITY	ADDRESS
Tamizharasi G S	INDIA	Assistant Professor, CMR University, Bangalore
Pradeep Sharma	INDIA	Department of Computer Science, Gyan Ganga College of Excellence, Jabalpur, Madhya Pradesh
Divya Pachauri	INDIA	Assistant Professor, Department of Computer science & Engineering (AIML), Nitra Technical campus, MFQ4+M93, Block M, NITRA, Sector 23, Sanjay Nagar, Ghaziabad, Uttar Pradesh
Shruthi B S	INDIA	Assistant Professor, Department of Computer Science and Engineering, City Engineering College, Doddakallasandra, Bikasipura, Bengaluru, Karnataka
Tushar Sharma	INDIA	LLM (LAW& TECHNOLOGY) Candidate, NUJS, Kolkata
Arunkumar S	INDIA	Assistant professor, Department of Mechanical Engineering SNS College of Technology, Coimbatore

3. PREAMBLE TO THE DESCRIPTION

COMPLETE SPECIFICATION

The following specification particularly describes the invention and the manner in which it is to be performed

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BLOCKCHAIN BASED AUTHENTICATION SYSTEM FOR IoT NETWORKS

FIELD OF THE INVENTION

[0001]The present invention relates to blockchain based authentication system for IoT networks.

BACKGROUND OF THE INVENTION

[0002]Numerous intelligent devices have been created and incorporated into daily life as a result of the development of Internet of Things technology. The current architecture and communication protocols of a centralized system cannot adequately respond to system needs such authentication, authorisation, and access control due to the growing number of devices and users. Although security and privacy are significant communication-related concerns, a number of solutions have been put out for security and privacy in IoT networks. Using dispersed networks in place of centralized or decentralized networks is one of the key answers. Blockchain is a brand-new and potent distributed system. The ledger and consensus are two dated notions that are included in the blockchain technology.

[0003]Integrity, distribution, and tamper-proofing are just a few of the many security characteristics included in blockchain technology. In a blockchain network, each network participant participates in the information verification process, which functions as the system's substitute for a trusted third party. Due of widespread information surveillance, it is highly challenging to distort information. Consensus-based public monitoring requires the cooperation of more than 50% of network participants in order to make unlawful changes to the data. Distributed denial of service attacks have become less likely as a result of sharing the role of the trustworthy third party among network users. System security is thus guaranteed.

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

ORIGINAL
क्रम सं/ Serial No. : 157887

पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 402183-001

तारीख / Date : 14/12/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *BIOSENSOR DEVICE TO DETECT LUNG CANCER* से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Shivakumar B R 2. Dr. Harish Kumar B T 3.Dr. Kempanna M 4.Prof. Prashanth Kumar K N 5.Dr. Thirthe Gowda Mt 6.Prof. Mahadeva Prasad H M के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to *BIOSENSOR DEVICE TO DETECT LUNG CANCER* in the name of 1.Dr. Shivakumar B R 2. Dr. Harish Kumar B T 3.Dr. Kempanna M 4.Prof. Prashanth Kumar K N 5.Dr. Thirthe Gowda Mt 6.Prof. Mahadeva Prasad H M.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि :
Date of Issue : 21/02/2024

उन्नत की ओर

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
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*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

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Intellectual Property Office

Registered design
[UNCERTIFIED COPY]

Design details

Design application number
6330072

Filing date (provisional)
01 December 2023

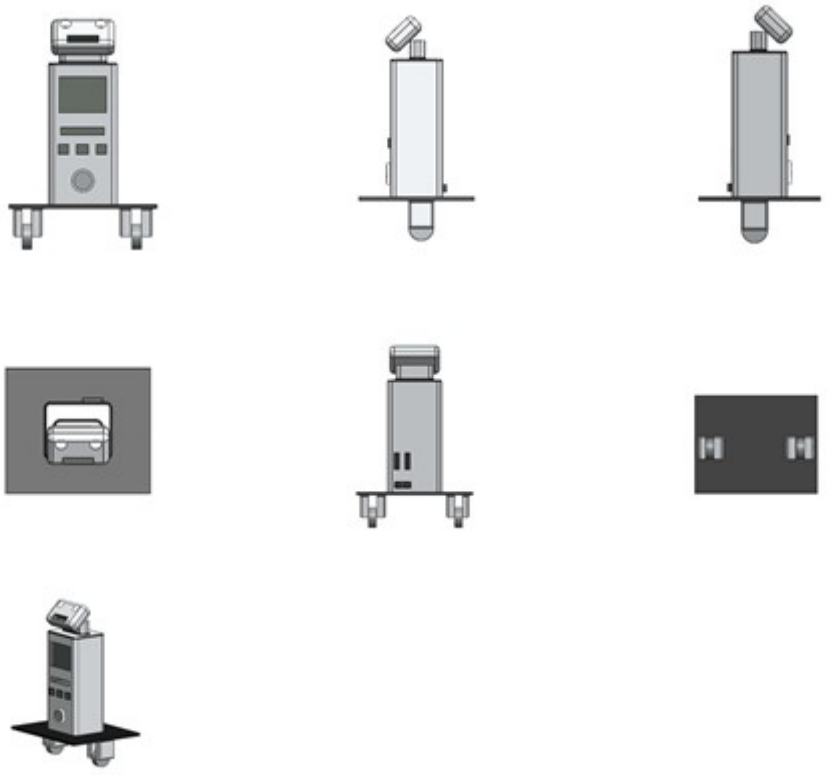
Defer registration
No

Design
AI Enhanced Nurosense Based Health Advise System

Additional description
None

Illustration disclaimer
AI Enhanced Nurosense Based Health Advise System

Illustrations



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Repeated surface pattern

No

Priority claims

None

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Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6346424

Grant date: 21 February 2024

Registration date: 13 February 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

SELVARANI DURAIRAJ, ANITHA SELVAM , YAMUNA VILLVANATHAN, AMSA LAKSHMI MANDHRI, Dr.SUBASHINI SUKUMAR, JOHN PETER VINCENT PAUL

in respect of the application of such design to:

AGRICULTURE DRONE FOR PLANT HEALTH MONITORING SYSTEM

International Design Classification:
Version: 14-2023
Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED
Subclass: 03 AGRICULTURAL AND FORESTRY MACHINERY

Version: 14-2023
Class: 12 MEANS OF TRANSPORT OR HOISTING
Subclass: 07 AIRCRAFT AND SPACE VEHICLES

THE PATENT OFFICE OFFICIAL

Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
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The attention of the Proprietor(s) is drawn to the important notes overleaf.

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/02/2024

(21) Application No.202441006965 A

(43) Publication Date : 23/02/2024

(54) Title of the invention : DISTRIBUTED VECTORS OF A NEWLY CREATED LOCAL MULTI SCALE FOURIER TRANSFORM FOR USE IN MEDICAL IMAGING

(51) International classification :A61B0008080000, G06T0007000000, A61B0005000000, A61B0005055000, A61B0006000000

(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 :
Distributed vectors of a newly created local Multi Scale Fourier transform for use in medical imaging ABSTRACT The present invention introduces an advanced approach in medical imaging through a novel application of a local multi-scale Fourier transform enhanced by distributed vectors. This innovative technique significantly improves the processing and analysis of medical imaging data, crucial for accurate medical diagnostics. The core of the invention lies in its unique implementation of the Fourier transform, which operates on multiple scales to capture a comprehensive range of details from medical images. The addition of distributed vectors to this process facilitates a more efficient and precise analysis, effectively handling the complex data sets typical in medical imaging modalities like MRI, CT scans, and ultrasound. The method's key advantage is its ability to enhance image clarity and resolution while maintaining computational efficiency. This results in high-quality medical images with reduced noise and artifacts, enabling clearer visualization of crucial anatomical details. The enhanced imaging capability provided by this technique is vital in improving the accuracy of diagnoses and the effectiveness of subsequent treatment plans.

No. of Pages : 14 No. of Claims : 8

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/02/2024

(21) Application No.202441009349 A
(43) Publication Date : 08/03/2024

(54) Title of the invention : WIRELESS CHARGING TECHNOLOGY FOR ELECTRIC VEHICLES

(51) International classification :B60L53/12, B60L53/124, H02J50/10, H02J50/60, H02J50/90, H02J7/00
(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 :
Wireless Charging Technology for Electric Vehicles ABSTRACT The present invention introduces an advanced wireless charging system for electric vehicles (EVs), designed to significantly enhance the convenience, efficiency, and safety of electric vehicle charging through the use of wireless power transfer (WPT) technology. Eliminating the need for physical cables and connectors, this system allows for the automatic charging of EVs when parked over a designated charging pad, which contains a power transmitter unit. The EV is equipped with a power receiver unit that captures energy transferred wirelessly from the transmitter, converting it into electrical power to charge the vehicle's battery. Key innovations of this system include optimized coil designs and adaptive resonance tuning for improved power transfer efficiency, intelligent charging management to adjust power delivery based on real-time battery and grid conditions, and comprehensive safety features such as foreign object detection (FOD) and living object detection (LOD) to ensure safe operation in all environments. The system is designed for universal compatibility with various EV models and is scalable for application in both private and public settings. By addressing the limitations of current wired charging methods, this invention provides a more practical, efficient, and user-friendly solution for EV charging, promoting wider adoption of electric vehicles and supporting the transition to sustainable transportation solutions.

No. of Pages : 16 No. of Claims : 7

FORM 2

THE PATENTS ACT, 1970

(39 of 1970)

&

The Patent Rules, 2003

COMPLETE SPECIFICATION

(See section 10 and rule 13)

TITLE OF THE INVENTION

"DEVELOPMENT OF BLOCKCHAIN & MACHINE LEARNING BASED GOVERNANCE MODELS ENHANCING CORRUPTION-TRANSPARENCY"

Applicant(s)

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The following specification particularly describes the nature of the invention and the manner in which it is performed:

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OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 48/2023	शुक्रवार	दिनांक: 01/12/2023
ISSUE NO. 48/2023	FRIDAY	DATE: 01/12/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/10/2023

(21) Application No.202341071986 A
(43) Publication Date : 01/12/2023

(54) Title of the invention : ENHANCING ATM SECURITY AND CONVENIENCE WITH NFC AND FINGERPRINT AUTHENTICATION

(51) International classification :H04L0009320000, G06F0021320000, G06Q0020340000, G06Q0020400000, G06F0021350000
(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 :
Traditional ATM transactions using bank cards are both convenient and susceptible to security risks, card damage, and authentication delays. This study introduces an innovative approach that combines Near-Field Communication (NFC) card-emulation mode and fingerprint technology to provide secure and user-friendly alternatives to traditional ATM cards. At the core of this system is the PIC microcontroller, serving as the central processing unit. It seamlessly integrates input from a fingerprint sensor and an NFC reader, allowing users to choose their preferred authentication method. With NFC authentication, users simply present an NFC-tagged ATM card within a 4 cm range of the NFC reader. Once validated, the system sends a one-time password (OTP) via GSM to the user's registered mobile number. The user inputs the OTP and undergoes human verification before the transaction is processed. Alternatively, users can opt for fingerprint authentication, eliminating the need for a physical ATM card. After placing their finger on the fingerprint sensor, user information is collected and linked to their bank account. The subsequent process mirrors NFC authentication, with the system sending an OTP for verification.

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

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/05/2023

(21) Application No.202341035068 A
(43) Publication Date : 01/09/2023

(54) Title of the invention : Machine learning based solid waste management in smart cities

(51) International classification :G06N0020000000, B65F0001140000, G06Q0050260000, G05B0013020000, B65F0001000000
(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 presents a machine learning-based system for solid waste management in smart cities. Traditional waste management methods have proven inefficient and costly, necessitating the development of innovative solutions. This system leverages smart sensors installed in waste bins to monitor waste levels in real-time. The collected data is transmitted to a centralized system where advanced machine learning algorithms analyze it to predict waste generation patterns. Based on these predictions, waste collection routes and schedules are optimized to reduce costs and enhance efficiency. Additionally, the system incorporates waste classification capabilities, enabling efficient sorting and recycling. The proposed invention offers scalable and adaptable features, ensuring its practicality in various smart city environments. By harnessing the power of machine learning and data analysis, it streamlines waste management processes, promotes recycling efforts, and contributes to environmental sustainability.

No. of Pages : 19 No. of Claims : 10

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

(http://ipindia.nic.in/index.htm)

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PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS

(http://ipindia.nic.in/index.htm)

Application Details	
APPLICATION NUMBER	202141051542
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/11/2021
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TITLE OF INVENTION	Intelligent- SIM: Multiple Company Mobile Number Installed in Single SIM (Single Sim, Multiple Networks.
FIELD OF INVENTION	COMMUNICATION
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	10/12/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details	
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TITLE OF INVENTION	Big Data and Cloud Bursting Real- Time Intelligent scheduling using Machine Learning.
FIELD OF INVENTION	COMPUTER SCIENCE
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S Kaulgud

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INTELLECTUAL PROPERTY INDIA
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GEOGRAPHICAL INDICATIONS

Application Details

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TITLE OF INVENTION	NOVEL METHOD FOR MAGNET ELECTRICITY GENERATOR
FIELD OF INVENTION	ELECTRICAL
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(57) Abstract :
Microwave energy is used in the wireless power transmission system, which enables electronic and electrical equipment to receive main power as well as wireless charging at the same time. A power transmitter that has one or more adaptively phased microwave array emitters concentrates the microwave energy at a specific place so that it may be utilized. Within the item that has to be charged are rectennas that will receive the microwave energy, correct it, and then utilize it either to charge the battery or as the main source of power. The proposed invention further expands with the Artificial Intelligence concept.

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