(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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(54) Title of the invention : WSN-IoT CLUSTERING FOR SECURE DATA TRANSMISSION IN E-HEALTH SECTOR USING GREEN COMPUTING

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(51) International classification :H04W 84/18
(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
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(57) Abstract :
Wireless sensor networks (WSNs) are not only a transformation of communication technology but also a multi-level expansion system to assess the routing via the sensing node and carry out a measured analysis. WSNs are also a transformation of communication technology and an expansion technology with various tiers of self-sufficient systems for evaluating and carrying out measuring analyses to discover routing through sensing nodes. For WSN infrastructure to operate effectively, the network must be connected to both physically and logically nodes, routing capabilities, dispersed nodes, and the capability to monitor and assess environmental variables. The wireless sensor environment research focuses on the numerous study issues associated with improved and analyzed lifetime sensor nodes as well as on the energy efficiency of data transmission from source to destination. Hierarchical clustering with Particle Swarm Optimization is used to preserve data while reducing power consumption and losses. The life of the sensing node network is based on the routing algorithms technology used in the architectural design, how well load is spread across all nodes and how even energy consumption is divided across all nodes for the sensor network and data transfer. Each sensor network has a base station and a large number of detection nodes that enable the environment to change based on the node in the network. Green computing is sometimes referred to as green information technology in certain circles (green IT). Environmentally friendly computing aspires to achieve economic viability while also improving the method for using computer resources. Green IT practises include the implementation of environmentally friendly property production processes, the use of energy-efficient computing equipment, and the improvement of disposal and usage procedures. The data are uploaded through green computing methodology using Internet of Things (IOT). The built-in processing unit of the sensor node also analyses the different data collected and transmitted from the installed place and the battery is a key component of the sensor node responsible for the power supply of sensor nodes. The factors to be considered in building the WSN include information on environmental changes, location, power consumption, operational time, and signal processing procedures. The network node depends on the ease of access and the application, based on the kind of sensors that the network node has to access using the various routing techniques.

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

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Design Application Details

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Design Application Status

Application Status:

At Technical Examination of Amended Application(FER generated on 11/11/2021)

Back (/DesignApplicationStatus/)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230.The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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Application Details	
APPLICATION NUMBER	202211034682
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/06/2022
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TITLE OF INVENTION	A SMART SYSTEM ENABLED WITH ARTIFICIAL INTELLIGENCE TO MONITOR AND PREDICT THE PERFORMANCE OF EMPLOYEES AND SUPPORT THE HUMAN RESOURCE DEPARTMENT
FIELD OF INVENTION	COMPUTER SCIENCE
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241042777 A

(19) INDIA

(22) Date of filing of Application :26/07/2022

(43) Publication Date : 05/08/2022

(54) Title of the invention : MACHINE LEARNING BASED APPROACH TO MONITOR THE QUALITY OF CONCRETE THAT IS MIXED WITH FIBER ALONG WITH IOT ALERT MECHANISM

(51) International classification	:G06N0020000000, G01N0033380000, H04B0017309000, G08B0021180000, H04W0052240000
(86) International Application No Filing Date	:PCT// :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
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(57) Abstract :
Machine learning based approach to monitor the quality of concrete that is mixed with fiber along with IoT alert mechanism is the proposed invention. The invention aims at testing the strength and quality of concrete mixture using the algorithms of machine learning unit. The proposed invention mainly focuses on mixing fiber in different compositions and testing the quality of concrete. It includes IOT unit to alert the concerned display unit regarding the predictive results of various (concrete + fiber composition).

No. of Pages : 14 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/05/2022

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(43) Publication Date : 24/06/2022

(54) Title of the invention : A SYSTEMATIC APPROACH TO ANALYSE THE PROFIT OR LOSS FACTOR OF INVESTORS DURING FLUCTUATION OF ECONOMY

(51) International classification :C06Q0040060000, G06Q0040040000, G06Q0040000000, B29C0048920000, H04N0021231000	(71)Name of Applicant :
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(87) International Publication No : NA	
(61) Patent of Addition to Application Number :NA Filing Date :NA	
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(57) Abstract :
A systematic approach to analyse the profit or loss factor of investors during fluctuation of economy is the proposed invention. The invention aims at analysing the profit or loss of an investor during the fluctuation in economy. The proposed invention aims at analysing the fluctuations in the investment of investor and predicting the returns through systematic approach.

No. of Pages : 11 No. of Claims : 4

(54) Title of the invention : THE EMBEDDED SECURITY FRAMEWORK FOR THE INDUSTRIAL INTERNET OF THINGS (IIOT) AND CYBERSECURITY

(51) International classification :H04L0029060000, H04L0029080000, G06N0020000000, G06F0021570000, H04L0012240000	(71)Name of Applicant : 1)Dr. RAVIRANJAN KUMAR SINGH Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ECEN, KASHI INSTITUTE OF TECHNOLOGY VARANASI-221307. Varanasi ----------- ----------- 2)DR. K. KAMALI 3)DR.R.MANIKANDAN 4)DR. APARNA MADHUKAR PAWAR 5)G.MAHALAKSHMI 6)APIRAJITHA P. S 7)DR PUNAM RATTAN 8)R. RENUKA DEVI 9)DR.P.ARULPRAKASH 10)KARTHIKAYANI 11)DR. VIKAS TRIPATHI 12)DR P JOEL JOSEPHSON
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(57) Abstract :
The Embedded Security Framework for the Industrial Internet of Things (IIOT) and Cybersecurity is the proposed invention. The invention aims at achieving the aspect of cyber security across the industrial security and its related attributes.

No. of Pages : 11 No. of Claims : 4