



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



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

Patent Search

Invention Title	DESIGN AND DEVELOP ALARM CLOCK USING AI AND CLOUD DATA BASED.
Publication Number	24/2022
Publication Date	17/06/2022
Publication Type	INA
Application Number	202221029339
Application Filing Date	21/05/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04W0084180000, G04G0013020000, H04L0029080000, G08B0025080000, G08B0017000000

Inventor

Name	Address	Country	Nationality
Prof.(Dr.) S. B. Chordiya (Director-SIMMC-Campus)	Suryadatta Institute of Management & Mass Communication (SIMMC), Sr. No: 342, Bavdhan, Pune-411021, Mh, India.	India	India
Kasala Raju	Senior consultant, Tarento Technologies Pvt. Ltd., Bangalore, India.	India	India
J Kavitha	Flat No 302, SR Residency, Srini Gate No 3, Hitension Road, Kompally, Pet. Basheerabad-500067 India.	India	India
Dr. Jagannath Eaknath Nalavade	Rajarambapu Institute of Technology Rajaramnagar (Sangli), India. Email id: jagannath.nalavade@ritindia.edu	India	India

Applicant

Name	Address	Country	Nationality
Prof.(Dr.) S. B. Chordiya (Director-SIMMC-Campus)	Suryadatta Institute of Management & Mass Communication (SIMMC), Sr. No: 342, Bavdhan, Pune-411021, Mh, India.	India	India
Kasala Raju	Senior consultant, Tarento Technologies Pvt. Ltd., Bangalore, India.	India	India
BVRIT Hyderabad College of Engineering for Women.	Bachupally, 8-5/4, Nizampet Rd, Opposite Rajiv Gandhi Nagar Colony, Hyderabad, Telangana 500090	India	India
J Kavitha	Flat No 302, SR Residency, Srini Gate No 3, Hitension Road, Kompally, Pet. Basheerabad-500067 India.	India	India
Quantum University	Dehradun Highway, Mandawar, Roorkee, Uttarakhand 247167, India	India	India
Dr. Jagannath Eaknath Nalavade	Rajarambapu Institute of Technology Rajaramnagar (Sangli), India. Email id: jagannath.nalavade@ritindia.edu	India	India
Mahatma Education Society	Mahatma Education Society, Chembur Naka, Mumbai - 400 071, Maharashtra, India.	India	India

Abstract:

ABSTRACT Our Invention "Design and Develop Alarm clock using AI and Cloud Data Based" is a Smart Alarm Clock, We Will Use A Low-Cost And Low-Powered Microcontroller Which Will Be Programmed By Using C-Language In The Case Of Arduino UNO And NodeMCU And Will Be Programmed By Python Language In The Case Of Raspberry Pi. Savvy Objects Should Be Capable Of Collecting Data From The Environment And Then Using That Data To Activate Real-World Events. This Is Achieved With The Help Of Sensors And Actuators. The Person Using The Smart Alarm Clock Can Keep A Sensor Under His Pillow Which Will Help To Monitor Whether The Person Is Having A Refreshed And Good Sleep Or Not. Sensors Are Quite A Low Cost In The Field Of The Internet Of Things. A few Commonly Used Sensors Are Temperature Sensors, Humidity Sensors, And Pulse Sensors. Actuators Are Nothing But LEDs And Output Devices That Can Be Used To Turn On And Off The Smart Alarm Clock. This Smart Alarm Clock Can Also Be Connected To The Internet Using The ESP8266 Wi-Fi Module So That You Can Keep Track Of Various Things Like Weather And Traffic Flow With The Help Of A Clock. There Are Some Networking Products That Are Designed To Create Low-Energy Protocols Such As 6LoWPAN And Zigbee. They Are Quite Helpful In Creating A Personal Wireless Sensor Network. This undertaking depicts equipment plan and execution of lowcost brilliant morning timer in light of Arduino stage, which utilizes detached infrared sensor (PIR) to distinguish rest conditions of clients. Rest isn't simply a latent interaction. Individuals can accomplish various states during the evening, which are known as Hypnagogic (state from attentiveness to rest), NREM (non-quick eye development), REM (fast eye development), Hypnagogium (arousing state) and dreaming. The primary objective for this created savvy morning timer is to recognize these states and change caution time to the most ideal second, when individuals are in arising state or in light rest. Arising in these states is very better and individuals feel substantially more revived. Equipment of this created morning timer is formed from LCD LED show, ongoing (RTC) clock unit, temperature and dampness sensor, photosensitive module for recognition of daytime, contact sensor and WiFi module for time synchronization from NTP (Network Time Protocol) servers. This Smart morning timer could be utilized for better and more viable arousing for clients.

Complete Specification

Description:FIELD OF THE INVENTION

Our Invention is related to a Design and Develop Alarm clock using AI and Cloud Data Based.

BACKGROUND OF THE INVENTION

The Internet Of Things These Days Is Quite Popular In The Development Of Different Low-Cost Systems With The Help Of A Microcontroller. These Smart Innovations In The Field Of The Internet Of Things Are Quite Cost-Effective And Power-Efficient As Well. Savvy Objects Are Key Components In The Field Of The Internet Of Things.

This Field Has Many Capabilities Such As Processing Of Information Logically, Storage Of Data, And Accurate Sensing In An Environment. One Of The Innovations Of Smart Alarm Clock Using IoT. The Smart Alarm Clock Using IOT Will Have Features That Will Include A Weather Reporting System With The Help Of A Temperature Sensor And Humidity Sensor. It Will Also Show The Traffic Status Of Roads Of That Particular Day With Good Accuracy.

To finish identification stage, we ought to add stage Hypnagogic (it is the experience of the progress state from attentiveness to rest) and Hypnagogium (arousing, end of rest). The best effectiveness of enlivening is in light rest or in practically conscious second, while dozing individual has no doubts to be stirred. The marks of this state can be abrupt body developments, while dozing individual is changing his situation.

[View Application Status](#)



Terms & conditions (<http://ipindia.gov.in/terms-conditions.htm>) Privacy Policy (<http://ipindia.gov.in/privacy-policy.htm>) Copyright (<http://ipindia.gov.in/copyright.htm>)
Hyperlinking Policy (<http://ipindia.gov.in/hyperlinking-policy.htm>) Accessibility (<http://ipindia.gov.in/accessibility.htm>) Archive (<http://ipindia.gov.in/archive.htm>)
Contact Us (<http://ipindia.gov.in/contact-us.htm>) Help (<http://ipindia.gov.in/help.htm>)

Content Owned, updated and maintained by Intellectual Property India, All Rights Reserved.

Page last updated on: 26/06/2019