



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



Patent Search

Invention Title	IoT Based Smart Monitoring System for Comatose Patients towards Their Health Issues by Continuous Monitoring
Publication Number	51/2021
Publication Date	17/12/2021
Publication Type	INA
Application Number	202141058082
Application Filing Date	14/12/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	BIO-MEDICAL ENGINEERING
Classification (IPC)	A61B0005000000, A61B0005020500, A61B0005024000, A61B0005021000, H04L0029080000

Inventor

Name	Address
Ms.K. Laxminarayanamma, Institute of Aeronautical Engineering, Hyderabad	Assistant Professor Institute of Aeronautical Engineering, Hyderabad
Ms. B.Pravallika, Institute of Aeronautical Engineering, Hyderabad	Assistant Professor Department Of Information Technology, Institute of Aeronautical Engineering, Hyderabad
Ms.P. Hemalatha, Institute of Aeronautical Engineering, Hyderabad	Assistant Professor Department Of Information Technology, Institute of Aeronautical Engineering, Hyderabad.
Ms. Akula Rajitha, Institute of Aeronautical Engineering, Hyderabad	Assistant Professor Department Of Computer Science & Information Technology, Institute of Aeronautical Engineering, Hyderabad
Dr. Ravi Kumar Poluru, Institute of Aeronautical Engineering, Hyderabad	Associate professor Department of Information Technology, Institute of Aeronautical Engineering, Hyderabad

Applicant

Name	Address
Ms.K. Laxminarayanamma, Institute of Aeronautical Engineering, Hyderabad	Assistant Professor Institute of Aeronautical Engineering, Hyderabad
Ms. B.Pravallika, Institute of Aeronautical Engineering, Hyderabad	Assistant Professor Department Of Information Technology, Institute of Aeronautical Engineering, Hyderabad
Ms.P. Hemalatha, Institute of Aeronautical Engineering, Hyderabad	Assistant Professor Department Of Information Technology, Institute of Aeronautical Engineering, Hyderabad.
Ms. Akula Rajitha, Institute of Aeronautical Engineering, Hyderabad	Assistant Professor Department Of Computer Science & Information Technology, Institute of Aeronautical Engineering, Hyderabad
Dr. Ravi Kumar Poluru, Institute of Aeronautical Engineering, Hyderabad	Associate professor Department of Information Technology, Institute of Aeronautical Engineering, Hyderabad

Abstract:

The Internet of Things (IOT) is a growing concept that will be very useful in many aspects of human life and particularly in medical applications. Over problems have increased daily life at a very high rate every day. One of the biggest health problems is coma. A coma is a deep state of sleep for a long permanent, calm, secret government that cannot move individuals. He can't handle painful upgrades, lights, or sounds on a regular basis. A typical person does not start intentional activity. In this work, we are proposing an IoT based system for monitoring coma patients. In this system we used temperature sensor, PIR sensor, ultrasonic sensor, heart beat sensor, blood pressure sensor and eye blink sensor. The proposed health monitoring system consists of various categories. One is used to monitor the vital signs of a coma and the other is used to identify physical changes that occur during a coma

Complete Specification

Claims: We claim,

1. A device that provides Temperature sensor which is used to monitor the temperature of Coma patients.
2. Also system uses the heartbeat sensor which is used to track the beats per minute of the heart.
3. This system uses the Eye blink sensor which are used for detecting any physical changes that occur in a comatose

, Description: Healthcare is one of the global challenges facing humankind. According to the World Health Organization (WHO) Constitution, the highest achievable is an individual's fundamental right. Efficient and easily accessible modern medical systems are a prerequisite for maintaining personal healthcare system needs to provide people with better health care in an economical and patient-friendly way anytime, anywhere. In this system, temperature sensor, PIR sensor, ultrasonic sensor, heart beat sensor, blood pressure sensor and eye blink sensor are connected to the Arduino Microcontroller. used to monitor the temperature of Coma patients. A heartbeat sensor is employed to track the beats per minute of the heart. Eye blink sensor which identifies any physical changes that occur in a comatose.

[View Application Status](#)

The national portal of India
india.gov.in

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

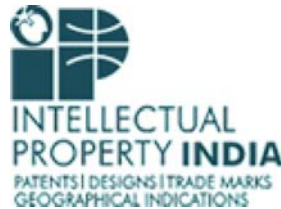


(<https://rashtragaan.in/>)



Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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



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

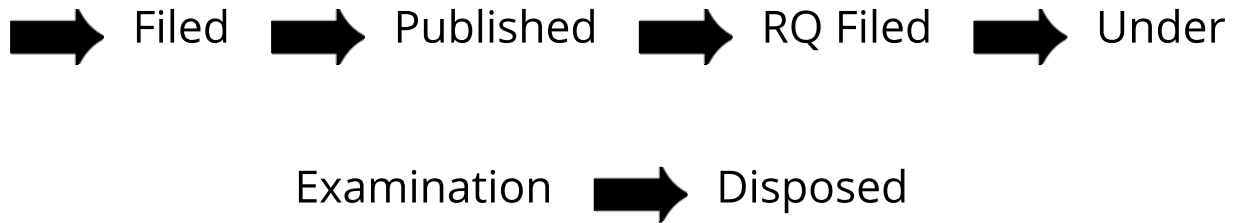
Application Details	
APPLICATION NUMBER	202141058082
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/12/2021
APPLICANT NAME	1 . Ms.K. Laxminarayanamma, Institute of Aeronautical Engineering, Hyderabad 2 . Ms. B.Pravallika, Institute of Aeronautical Engineering, Hyderabad 3 . Ms.P. Hemalatha, Institute of Aeronautical Engineering, Hyderabad 4 . Ms. Akula Rajitha, Institute of Aeronautical Engineering, Hyderabad 5 . Dr. Ravi Kumar Poluru, Institute of Aeronautical Engineering, Hyderabad
TITLE OF INVENTION	IoT Based Smart Monitoring System for Comatose Patients towards Their Health Issues by Continuous Monitoring
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	p.ravikumar@iare.ac.in
ADDITIONAL-EMAIL (As Per Record)	p.ravikumar@iare.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/12/2021

Application Status

APPLICATION STATUS

Awaiting Request for Examination

[View Documents](#)



In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in