

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241028788 A

(19) INDIA

(22) Date of filing of Application :19/05/2022

(43) Publication Date : 27/05/2022

(54) Title of the invention : ARDUINO BASED WIRELESS BIOMEDICAL&NBSP;PARAMETERS MONITORING SYSTEM USING IOT

(51) International classification :A61B0005000000, A61B0005021000, G06Q0050220000, A61B0005145000, A61M0016000000
(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

(71)Name of Applicant :
1DR. M. SUDHA
Address of Applicant :PROFESSOR AND HEAD, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
2DR. R. MOHANAPRIYA
3MR. S. VIJAYAKUMAR
4MR. S. LOGANATHAN
5DR. R. PUSHPAVALLI
6MR. S. SATHISH
7SATHYA NARAYANAN, S
8) MOHAMED SHIMAK, M
9IRAMKUMAR, R. V
10NAVEENKUMAR, P
11)DINAHARAN FUEMENT, P
12)NAVEEN, U
13SINDU PAIRAVI, S
14)SANDHYA, G
15)RAJALAKSHMI, V
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1DR. M. SUDHA
Address of Applicant :PROFESSOR AND HEAD, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
2DR. R. MOHANAPRIYA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
3MR. S. VIJAYAKUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
4MR. S. LOGANATHAN
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
5DR. R. PUSHPAVALLI
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
6MR. S. SATHISH
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
7SATHYA NARAYANAN, S
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
8)MOHAMED SHIMAK, M
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
9IRAMKUMAR, R. V
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
10)NAVEENKUMAR, P
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
11)DINAHARAN FUEMENT, P
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
12)NAVEEN, U
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
13SINDU PAIRAVI, S
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
14)SANDHYA, G
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
15)RAJALAKSHMI, V
Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----

(57) Abstract :

Pressure sensor used to monitoring blood pressure level. All these parameters are stored in Arduino microcontroller and then it will be uploaded in IOT server in case of emergency IOT server monitored by doctor he will prevent the treatment for the particular patient. In this way efficient to monitor patient realtime. For using technology the healthcare monitoring is important for saving patient life. For this purpose our projects is smart to way monitor patient health. IOT is real-time technology to monitor every field. It will place important role in healthcare, monitoring patient different parameters. For that different sensors are used to sensor values are monitor real time in IOT server. It will monitor individual patient and in case of emergency the doctor alerted by IOT and required treatment is given to that patient.

No. of Pages : 13 No. of Claims : 4