

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241028797 A

(19) INDIA

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

(43) Publication Date : 27/05/2022

(54) Title of the invention : IOT VIRTUAL DOCTOR ROBOT

(51) International classification :A61B0005000000, A61B0005024000, H04L0029080000, A61B0005021000, G16H0020100000

(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.S.SRIDEVI
3DR.T.LOGANAYAGI
4MR.RAVISANKAR KANDASAMY
5MR.S.VIJAYAKUMAR
6SUSHMITHAS
7YUVABHARATHI.M.V
8NANDHINLR
9VINODHARANLK
10UPRAJA.G
11KAVIPRIYAM
12SUDARSUN PRASSANAR
13SURESH RAJS
14TAMILMANLE
15TAMILSELVAN. 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.S.SRIDEVI
 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. -----
3DR.T.LOGANAYAGI
 Address of Applicant :PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
4MR.RAVISANKAR KANDASAMY
 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. -----
5MR.S.VIJAYAKUMAR
 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. -----
6SUSHMITHAS
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
7YUVABHARATHI.M.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. -----
8NANDHINLR
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
9VINODHARANLK
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
10UPRAJA.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. -----
11KAVIPRIYAM
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
12SUDARSUN PRASSANAR
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
13SURESH RAJS
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
14TAMILMANLE
 Address of Applicant :STUDENT, DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING, PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), NH-44, PAAVAI NAGAR, PAACHAL, NAMAKKAL - 637408, TAMIL NADU, INDIA. -----
15TAMILSELVAN. 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 :

ABSTRACT IOT VIRTUAL DOCTOR ROBOT Our invention deals with the modalities of the Smart Virtual Doctor Robot using Internet of Things (IoT), a user-friendly health Robotic machine with an interactive user interface for medical necessities. It is a virtual health check-up/self-screening/test system, aimed at being the first point of contact for patient screening, to monitor heart rate, blood pressure, temperature and oxygen saturation. In case of emergency, a doctor will be available online through a video call, based on the severity of patient's conditions, a call can be placed by a doctor to book an ambulance (based on the conditions). In non-emergency cases, the system will also dispense medicines prescription based on the health conditions. As an overall outcome, the practitioners feel the system can be adopted in an area where medical facility is not available immediately. Adopting this system in such regions not only help in medical emergencies/epidemic/pandemic such as COVID, it also increases the percentage of survival. Our overall system is controlled and monitored using Microcontroller and IOT.

No. of Pages : 12 No. of Claims : 4