

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202441016139 A

(19) INDIA

(22) Date of filing of Application :07/03/2024

(43) Publication Date : 22/03/2024

(54) Title of the invention : INNOVATIVE AND ADVANCED TECHNOLOGY FOR SMART HOME AUTOMATION USING IOT

<p>(51) International classification :H04L0012280000, G05B0015020000, G06N0020000000, H04W0084120000, G05B0019418000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)MANOJ KUMAR SAH Address of Applicant :Government Engineering College Vaishali, Bihar – 844115, India. --</p> <p>-----</p> <p>2)A. LAVANYA MATHIYALAGI 3)Dr. K. ANTONY SUDHA 4)JIGNESHKUMAR RAMESHBHAI MEVADA 5)K.SREENIVASULU 6)KISHOR GOLLA 7)PRIYANKA SUJIT WANI 8)VORUGANTI BHARATH KUMAR 9)Dr. M. VADIVUKARASSI Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)MANOJ KUMAR SAH Address of Applicant :Government Engineering College Vaishali, Bihar – 844115, India. -----</p> <p>-----</p> <p>2)A. LAVANYA MATHIYALAGI Address of Applicant :Einstein College of Engineering, Sir C.V.Raman Nagar, Seetharpanalur, near MS University, Tirunelveli, Tamil Nadu 627012 -----</p> <p>3)Dr. K. ANTONY SUDHA Address of Applicant :Einstein College of Engineering, Sir C.V.Raman Nagar, Seetharpanalur, near MS University, Tirunelveli, Tamil Nadu 627012 -----</p> <p>4)JIGNESHKUMAR RAMESHBHAI MEVADA Address of Applicant :Ganpat University – U.V. Patel College of Engineering, Mehsana, Gujarat, India, 384012. -----</p> <p>5)K.SREENIVASULU Address of Applicant :St.Martin's Engineering College Sy. No.98 & 100, Dhulapally Road, Dhulapally, Near Kompally, Medchal–Malkajgiri district Secunderabad-500 100. Telangana, India. -----</p> <p>6)KISHOR GOLLA Address of Applicant :St.Martin's Engineering College Sy. No.98 & 100, Dhulapally Road, Dhulapally, Near Kompally, Medchal–Malkajgiri district Secunderabad-500 100. Telangana, India. -----</p> <p>7)PRIYANKA SUJIT WANI Address of Applicant :Dr. D. Y. Patil Institute of Technology, Sant Tukaram Nagar, Pimpri Colony, Pune, Pimpri-Chinchwad, Maharashtra 411018 -----</p> <p>8)VORUGANTI BHARATH KUMAR Address of Applicant :St.Martin's Engineering College Sy. No.98 & 100, Dhulapally Road, Dhulapally, Near Kompally, Medchal–Malkajgiri district Secunderabad-500 100. Telangana, India. -----</p> <p>9)Dr. M. VADIVUKARASSI Address of Applicant :St.Martin's Engineering College Sy. No.98 & 100, Dhulapally Road, Dhulapally, Near Kompally, Medchal–Malkajgiri district Secunderabad-500 100. Telangana, India. -----</p>
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(57) Abstract :

The internet of things (IoT) is connecting the devices and tools to the internet network to be controlled by websites and smart phone applications remotely, also, to control tools and instruments by codes and algorithms structures for artificial intelligence issues. In case we want to create advanced systems using python algorithms, Wi-Fi or Ethernet connection is connected to our tools, equipment, and devices controlling them by smart phone applications or internet websites. That's actually the simplified definition of IoT. Farther than just using the IoT as a smart home to operate lamps or other home-use devices, it can be used as a security system or an industrial-use system, for example, to open or close the main building gate, to operate fully automatic industrial machine, or even to control internet and communication ports. And more ideas can be done by using IoT technology. A huge industrial facilities or governmental institutions have much of lamps. Employees sometimes forget to turn them off in the end of the day. This research suggests a solution that can save energy by letting the security to control lighting of the building with his smart home by Blynk application. The lamps can be controlled by switches distributed in the building and Blynk application at the same time with a certain electrical installation. This research presents a simple prototype of smart home, or the easy way and low cost to control loads by Wi-Fi connection generally.

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