IoT Based Home Automation System

Mr. R. R. Dodake[1], Aniket Honmane[2], Nikhil Ranbhare[3], Anand Ghadge[4]
Department of Electronics and Telecommunication[1,2,3,4]
Dr. Daulatrao Aher College of Engineering Karad, India

Abstract: *Wireless Home Automation system (HAS) using IoT is a system that uses computers or mobile devices to control basic home functions and features automatically through internet from anywhere around the world, an automated home is sometimes called a smart home. It is meant to save the electric power and human energy. The home automation system differs from other system by allowing the user to operate the system from anywhere around the world through internet connection. It requires a NodeMCU board, Relays, Blynk Application, Web-Hook, and IFTT. In this paper we present a Home Automation system (HAS) using Blynk Community.*

Keywords: Home Automation, Relay, Controlling, IoT, Blynk, Internet, GSM.

REFERENCES

[1]. International Journal for Research in Applied Science & Engineering Technology (Ijraset) Volume 6 Issue Iv, April 2018

[2]. 7th International Conference on Recent Trends in Engineering, Science & Management, Iot Based Office Automation System using Android, Prof. S. A. Shaikh, Genba Sopanrao Moze College of Engineering, Balewadi,Pune,.(2017)

[3]. International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, International Office Area Monitoring and Control Using IOT ,Vol.6, Issue 6, June 2017, Prof. S.A. Shaikh, Pravara Rural Engg. College, Loni, Maharashtra, Pune. (2017)

[4]. Ahmed ElShafee; Karim Alaa Hamed; "Design and Implementation of a Wi-Fi Based Home Automation System". International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol: 6, No: 8, 2012.

[5]. Monika M Patel; Mehul A Jajal; Dixita B vataliya, Home Automation using Raspberry Pi. International Journal of Innovative and Emerging Research in Engineering Volume 2, Issue 3, 2015.

[6]. Praveen Kumar; Umesh Chandra Pati, "IoT based Monitoring and Control of Appliances for Smart Home". IEEE International Conference on Recent Trends in Electronics Information Communication Technology, May 20-21, 2016, India. .

[7]. International Journal for Innovative Research in Science & Technology (Ijirst)-Volume 1-May 2015' The Real Time Office Automation Using Raspberry.

[8]. International Journal of Recent Innovation in Engineering And Research, Office Automation by Using Iot Technology, Mr. Galat Ashutosh A., S.V.P.M. College Of Engineering, Malegaon, Baramati. (2018)