

Wi-Fi Operated Voice Controlled Home Automation System

Prof. Y. D. Shahakar¹, Manesh Rathod², Gagan Kurhekar³, Parth Ingle⁴,
Sayali Kalbande⁵, Damini Changole⁶, Samiksha Chandel⁷

Assistant Professor, Department of Electrical Engineering¹

Degree Students, Department of Electrical Engineering^{2,3,4,5,6,7}

P. R. Pote Patil College of Engineering & Management, Amravati, Maharashtra, India

Abstract: Home automation is a modern technology that helps to enjoy comfortable living conditions inside the home. With home automation, data can be instantly collected and passed between devices and analyzed simultaneously. By connecting the home appliances with the internet, they can be easily accessed from anywhere. In the home automation system, settings are feasible through smartphones or other remote-control devices. This paper gives the design and implementation of a new voice-controlled home automation system that uses Google Assistant for giving user's voice commands as input. It is a low cost and flexible home automation and monitoring system. It enables the user to use a home automation system based on the Internet of Things (IoT). Home appliances like fans and lights can be controlled. The fundamental purpose of this project is to control electronic appliances based on the situational demands of the user.

Keywords: Home automation, Node MCU, Smartphones, Voice Controlled

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