

A REVIEW OF WIRELESS HOME AUTOMATION SYSTEM USING VOICE RECOGNITION, GSM AND A WEB PORTAL BASED ON ZIGBEE

PALLAVI R. TANKSALE¹ & SNEHAL KATHALE²

¹M.E Student (WCC), G.H. Raisoni Institute of Engineering and Technology for Women, Nagpur, Maharashtra, India

²Lecturer, G.H. Raisoni Institute of Engineering and Technology for Women, Nagpur, Maharashtra, India

ABSTRACT

Home automation needs to be simpler and easy to use and yet cost effective to be widely acceptable. Wireless home automation today needs to use the latest technology advances in order to be user friendly and powerful. There have been a lot of work done already in this area. In this project, current technology components will be used and home automation will be implemented using the communication technologies like GSM, Internet and speech recognition. The project will research and evaluate different user interface possibilities for home automation for mobile devices. The automation centers on using relatively cheap ZigBee wireless communication modules. The intended home automation system will control the lights and electrical appliances in home using voice commands, GSM messaging and web portal.

KEYWORDS: Home Automation, Zigbee, Voice Recognition, GSM, Web Portal