

# Home Automation using ESP-32 and Android App

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**Abstract:** *The Home Automation System (HAS) is extension of current activities performed inside the home and this Home Automation System can be developed easily now a days, because of powerful computational devices and wireless sensor network(WSN), to IoT-Based Smart Bank to Achieve Home Automation with Gesture Detection and Control. The main objective of this project is to develop a home automation system using an ESP8266 board being remotely controlled by any Android OS smartphone. Modern houses are gradually shifting from conventional switches to centralized control systems, involving remote controlled switches. Ever thought of a life where you could just command your home appliances to work as you need just by using your voice. Coming days we are going to use automated houses which are activated. This project will demonstrate, controlling home electronic appliances like T. V. , fans, lights etc., using the internet and your voice and that too low budget. The Home Automation System (HAS) is extension of current activities performed inside the home and this Home Automation System can be developed easily now a days, because of powerful computational devices and wireless sensor network(WSN), to IoT-Based Smart Bank to Achieve Home Automation with Gesture Detection and Control. The main objective of this project is to develop a home automation system using an ESP8266 board being remotely controlled by any Android OS smartphone. Modern houses are gradually shifting from conventional switches to centralized control systems, involving remote controlled switches.*

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**Keywords:** *Home Automation System*