

# Home Automation using BLYNK Application and ESP8266NodeMCU Home Automation System (HAS)

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**Abstract:** *The phrase "smart home system" refers to the intelligent management of various home equipment to create a smart, secure, and pleasant home environment. We can operate household items like the TV, refrigerator, air conditioner, and fans thanks to home automation. In addition to reducing human effort, home automation is essential for preserving time and energy. Home automation's primary goal is to assist the elderly and handicapped by making it easier for them to use household equipment. The Android operating system now reigns supreme in the smart phone market. Smart phone features are designed to connect to any other Bluetooth-enabled devices. Millions of goods, including autos and mobile devices, include Bluetooth wireless technology.*

**Keywords:** Smart home system, Home Automation, Wi-Fi Controller, Wi-Fi Module, ESP8266NodeMCU, Smart Phone.

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