Abstract

Home automation is turning out to be mainstream day by day because of its various points of interest. This can be accomplished either by local network administration or by using a remote control. This paper focuses on planning an essential home automation application using Raspberry Pi through perusing the content of the message sent from a cloud-based messaging mobile application - Telegram, the algorithm for it has been developed in the python environment which is also the default programming environment offered by Raspberry Pi. Results demonstrate the productive execution of proposed algorithm for home automation. Readings on a multimeter are used to demonstrate the switching activity in the GPIO pins of the Raspberry Pi.

References

Raspberry Pi based Implementation of Internet of Things using Mobile Messaging Application - ‘Telegram’


Index Terms

Computer Science Wireless

Keywords

Raspberry Pi, Home Automation, Telegram, Python.