

ABSTRACT

The home automation system can be applied to many areas including home security, lighting control, smart switch, door control to provides its homeowner's comfort, security, energy efficiency (low operating costs) and convenience at all times. The Internet of Things (IoT) is anticipated to enable a variety of smart home services in which each service provides a set of home automation solutions. This proposed project consists of developing an automated home monitoring using Raspberry Pi that provides a customizable and cost efficient platform for a smart home. In this project, writer develop and implement a smart home concept using sensor and actuators which are connected to gateway via Wi-Fi protocol. Raspberry Pi and ESP8266 is the power behind this project as it provides an interface between the sensors and actuators.

Keywords: Smart Home, Internet of Things