

SMART HOME

Using Google Assistant



Have you ever left home wondering if you turned off the stove, locked the doors, or switched off the fan?

If you have, you're not alone.

Smart technology has been developed to eliminate these concerns.

Smart homes are described as modern homes with devices and appliances that can be remotely controlled by the homeowner via a mobile app, computer, or another single hub.



OBJECTIVE

The aim is to create a domestic automation gadget that performs all basic functions of a digital assistant like controlling the electric home equipment that it's far connected to.

The entire gadget is aimed to be voice operated in order that there's no want to type something in any respect. Using a Raspberry Pi home automation undertaking in our home is a simple and effective way to convert a regular home right into a smart domestic.

Basically, the goal of domestic automation the usage of the android gadget offer the give up-user with a easy, steady, and easily configurable home automation machine.



MATERIALS USED

Socket

Cardboard

Bulb

Led lights

Raspberry pi

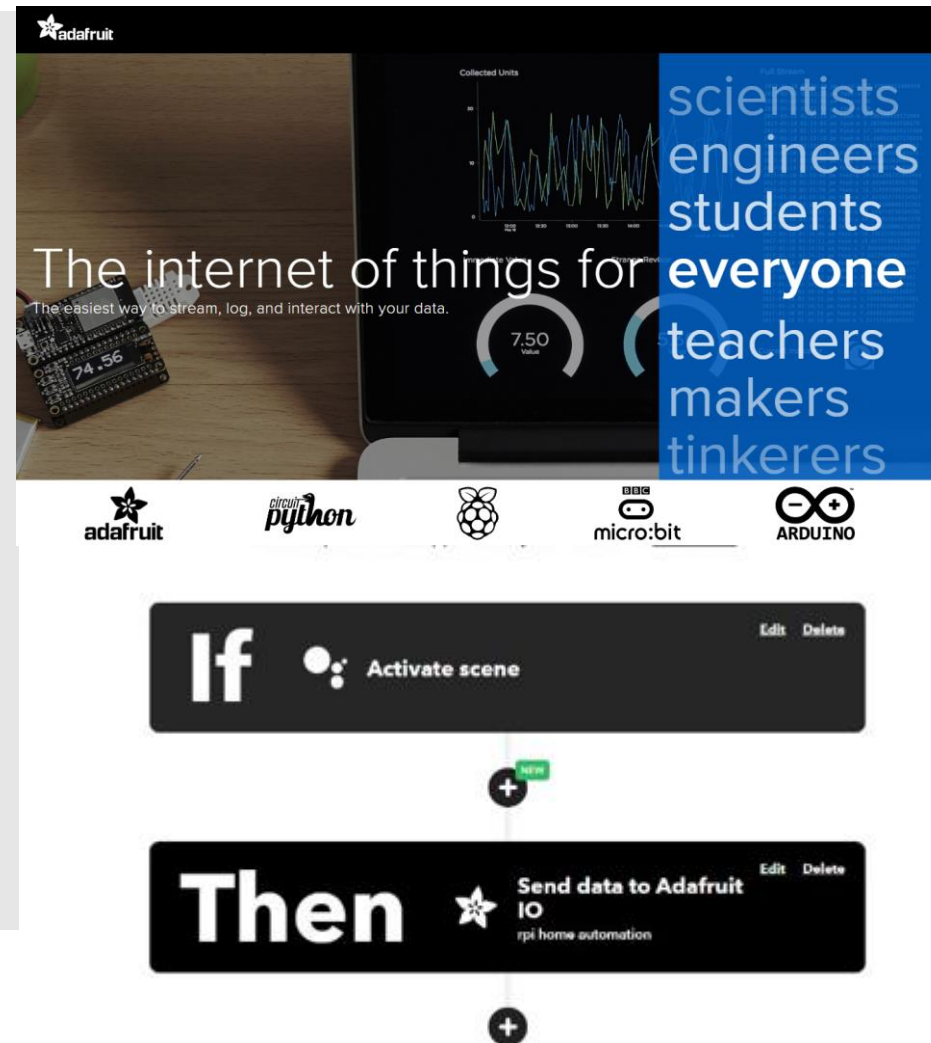
Relay module

Etc



METHODOLOGY

The technique of this challenge design consists of implementation of the proposed approach. As part of the Methodology, there are a few fundamental steps involved. The first primary step is putting in the Adafruit IO. Adafruit IO is a internet site used to create digital switches so that we can turn ON or OFF the appliances just by giving commands to Google assistant



IFTTT is used to attach the Adafruit to Google assistant. If This Then That, also known as IFTTT is a free web-based service to create chains of simple conditional statements.

IFTTT is used to use google assistant service and Adafruit service in chain. So, Google assistant is used to control light of my home by saying Ok google, turn the light ON or OFF. Then IFTTT interpret the message and can send it to Adafruit's dashboard as an understandable command to the created feed.

VIDEO

<https://drive.google.com/file/d/1CfzbNOXGuhzec43ZUldXsxvhNVine54/view?usp=sharing>

CONCLUSION

The whole idea behind smart homes is exciting, interesting, and desirable, but also kind of scary to some people.

If you have seen a smart home in action on television or YouTube, you can see that they are designed to make you feel safe, while offering comfort and convenience to the homeowner.

With the growth in this market segment, there is no doubt that more growth is to be seen. More technological development and advances will make more smart technology better.

Perhaps smart homes will be able to do things we have only seen in science fiction movies, or at least something close to that.

While the next few years may not see robots doing all the work for you, technology will be more intelligent and overall useful.

Hopefully, these Smart Home statistics everyone should know have sparked your interest and given you something to think about regarding the concept



Time to
Go Home!

THANK YOU!

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