

Voice Controlled Home Appliances

Presented By-
SAKET KUMAR

Introduction

- Home Automation Controlled System (HACS) is a concept of IoT when connected with internet and home devices.
- It basically connects controlled devices with a central Hub or 'gateway' using wireless connectivity.
- User Interface for control of systems uses generally mobile application or web interface.

Why Home Automation?

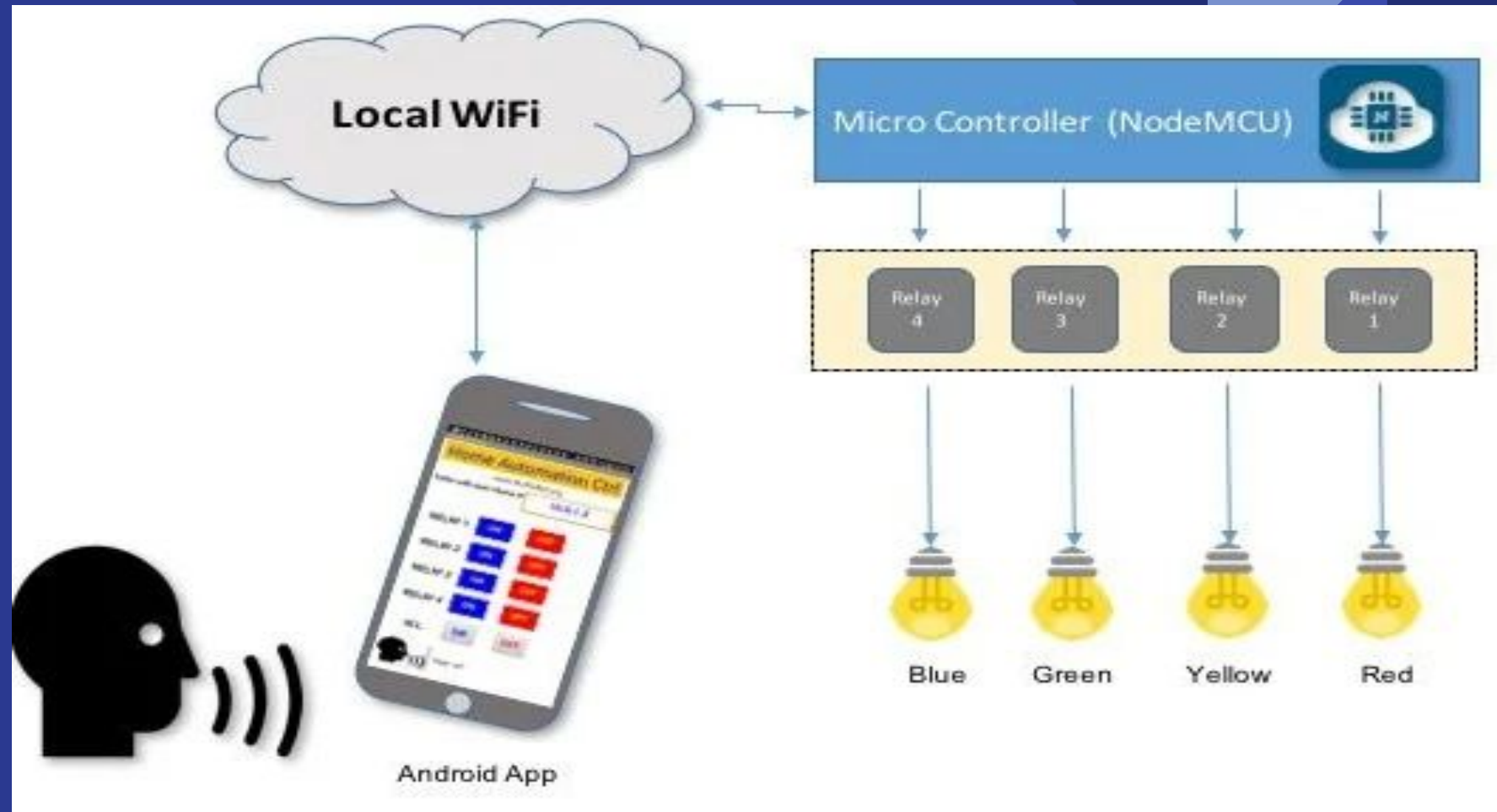
- Makes our life easier and convenient upto some extent.
- A home automation system can be controlled via a remote and/or with home computers, iPads, iPhones and smartphones.
- Helps to protect from unfortunate accident like fire caused by electricity.

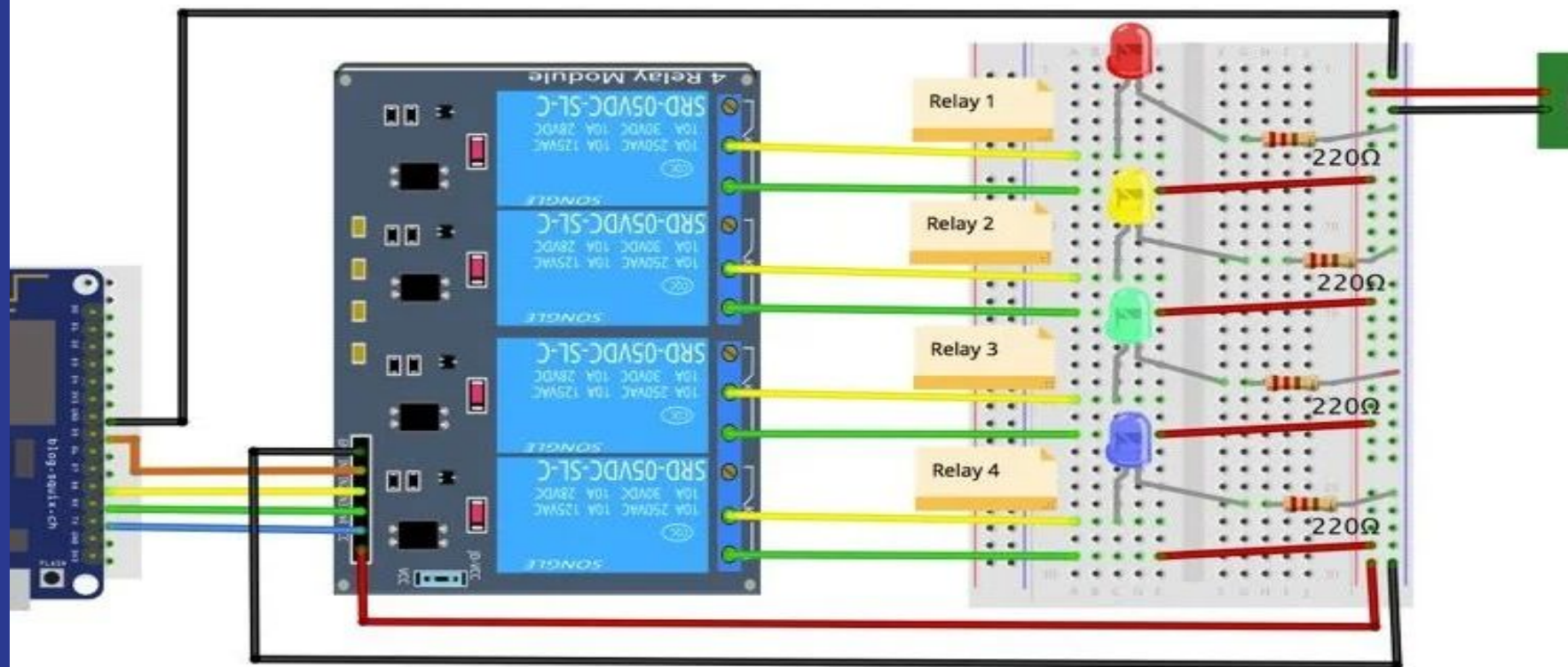
Types of HACS :

- PC-based system :
 - Requires PC all the time.
- Standalone system
 - Without PC, may use PC for Programming.
- Hybrid system
 - Without PC, but use PC for adding functions.

Hardware Implementation

- What we need:
 - ESP8266 (NodeMCU)
 - Relay
 - Wires





Application

- Turning lights On/Off at night.
- Operating TV, hot water heater, kettle, toaster etc.
- Optimized use of electricity for low cost.
- Working with electrical goods and make them intelligent.
- Can be effective for blind people.

Advantage:

- Flexible and convenient
- Provides High Security.
- Cost Efficient.
- Remote control.
- Real time application.

Thank
you!!!

