



# Home Automation

Using microcontroller and android assistant

A stylized illustration of a checklist. A series of square boxes, each containing a green checkmark, are arranged diagonally from the top left towards the bottom right. A grey pen is shown writing the checkmark in the fifth box from the top. Another grey pen lies horizontally in the bottom left corner. The word "Requirements" is centered over the middle of the checklist.

# Requirements



# Hardware

- Arduino
- ESP-8266 (Wifi Module)
- Smart phone
- Servo Motor
- LEDs
- Switches
- Wires

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Software

- Arduino Ide
- IFTTT
- Blynk

ARDUINO

# Blynk

- It is an android application which connects your microcontroller with your smartphone over Wifi and allows you to control devices with android app.

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The background features several overlapping speech bubbles in various colors: yellow, orange, light green, pink, purple, and blue. Each bubble contains a white question mark. A central white rectangular box with a thin green border is positioned in the middle. Two thick, dark brown horizontal bars cross the box, one on the left and one on the right.

What will we do?

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- 1. Connect LEDs and servo motors to microcontroller and then servo motors to switch.
  - 2. Connect our setup with Blynk over Wifi.
  - 3. Use IFTTT to connect Blynk with Android Assistant.



# THANK YOU...

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