

GESTURE MAZE

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Project Aim

Solving a maze using gesture

Project description:

- We all would have played a simple game in our pencil boxes where the ball in the maze need to be moved from start to finish. This was a fun memory of our childhood.
- Here instead of holding the box directly, how will it be if we control the ball just using our hand gesture by wearing a band.

Approach:

1. Gesture is captured from band or smartphone app
2. This communication uses Wifi module ESP8266
3. The data from the gyroscope sensor in the band is transmitted through the WiFi connection to the Wemos D1 Mini device (esp8266).
4. This data is used to controls the servos which tilt the maze.

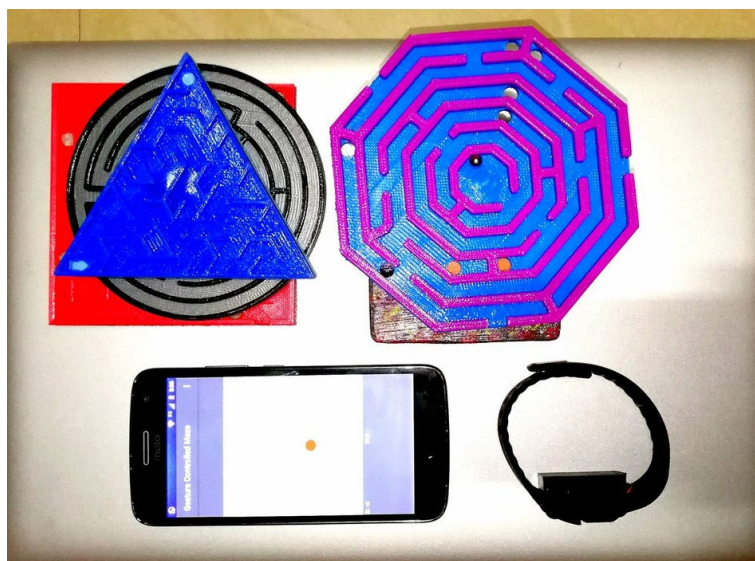


Figure 1: Circuit Diagram