



# 8-BIT QUADBOT WITH EMP

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## Introduction

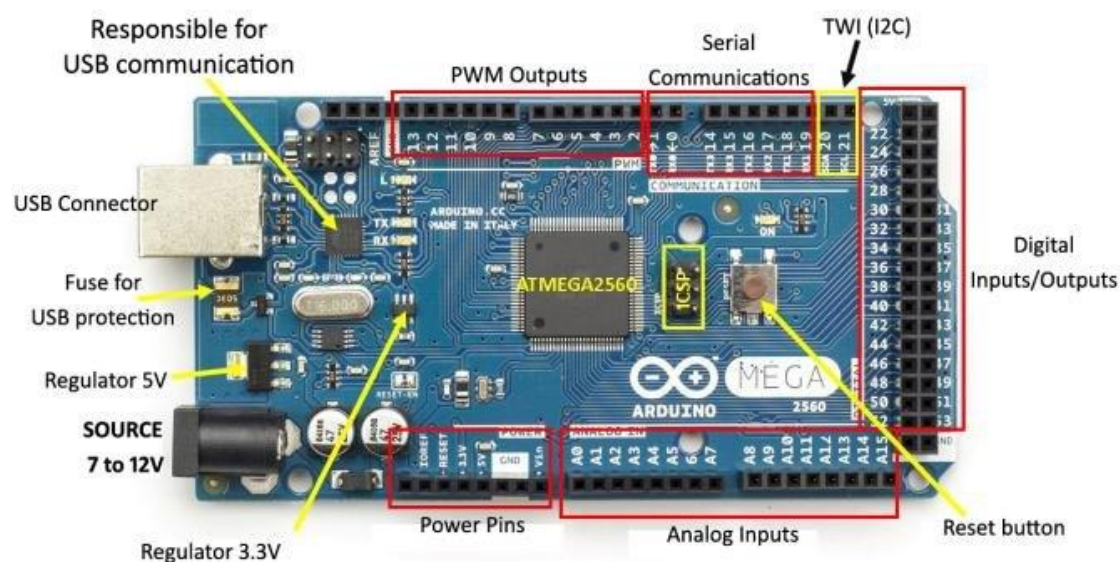
- ❖ We are developing a “8-bit Quadbot” named “8-bit EMP Spider” in which user can use this bot for moving it to any particular place where humans can't reach normally or can be used for security purpose monitoring. Bluetooth, Wi-Fi, GPS module used in wide range to control bot using any device.
- ❖ Easy to control, low cost and also open source language. We can add a multiple sensor for multiple purpose.

## Working overview

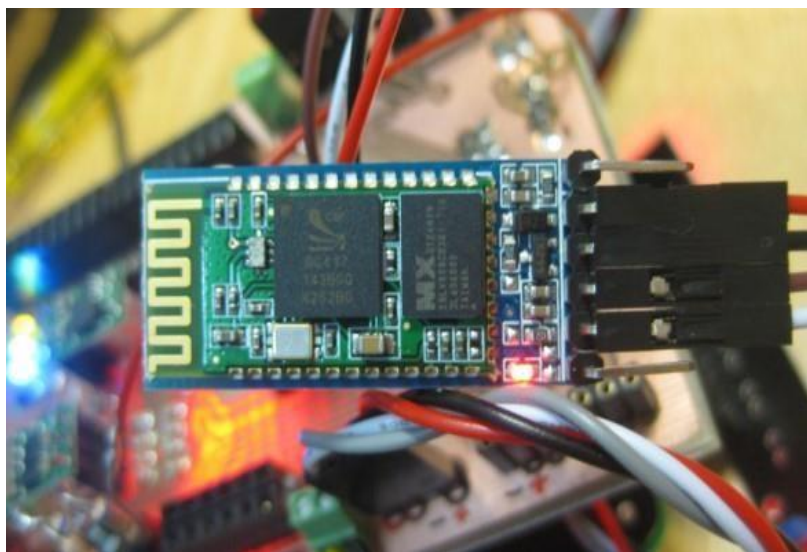
- ❖ This Quadbot it's a cool, and easy or impressive to manage things in your environment. Is there something that you have always wanted? Read through some features below.
- ❖ In this we can provide you to reprogram this device and take desire output. You connect this device anywhere you want this is portable and easy to assemble.
- ❖ Arduino is open source technology you can re-program this board over and over again. It has many sensors like motion sensor, light detect, smoke sensor, proximity sensor, gyroscope sensor, Thermal sensor etc...

## Component requirements

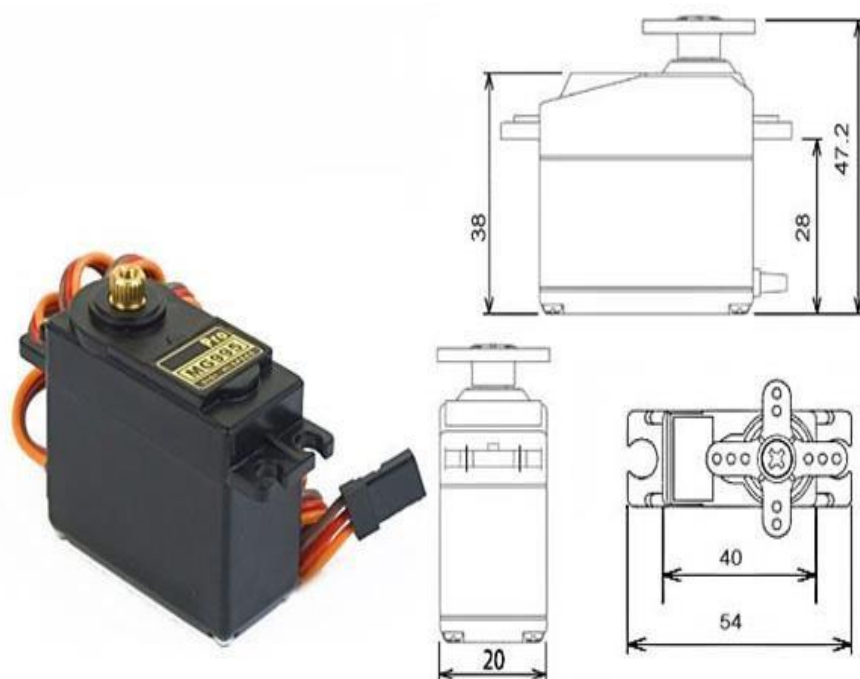
### Arduino Mega



### Bluetooth Module(HC-06)



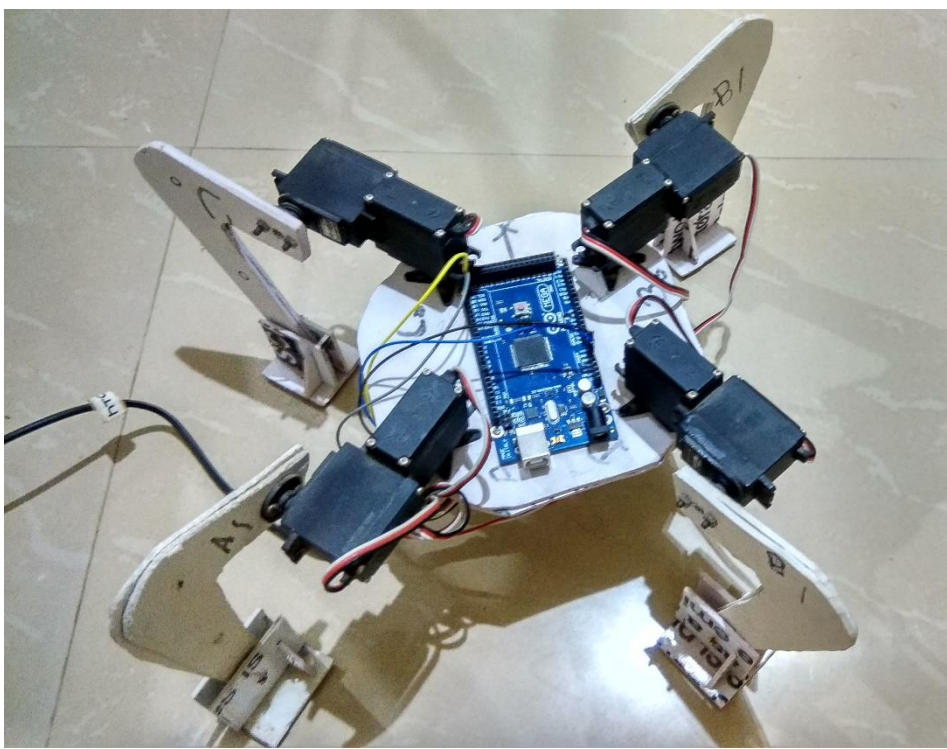
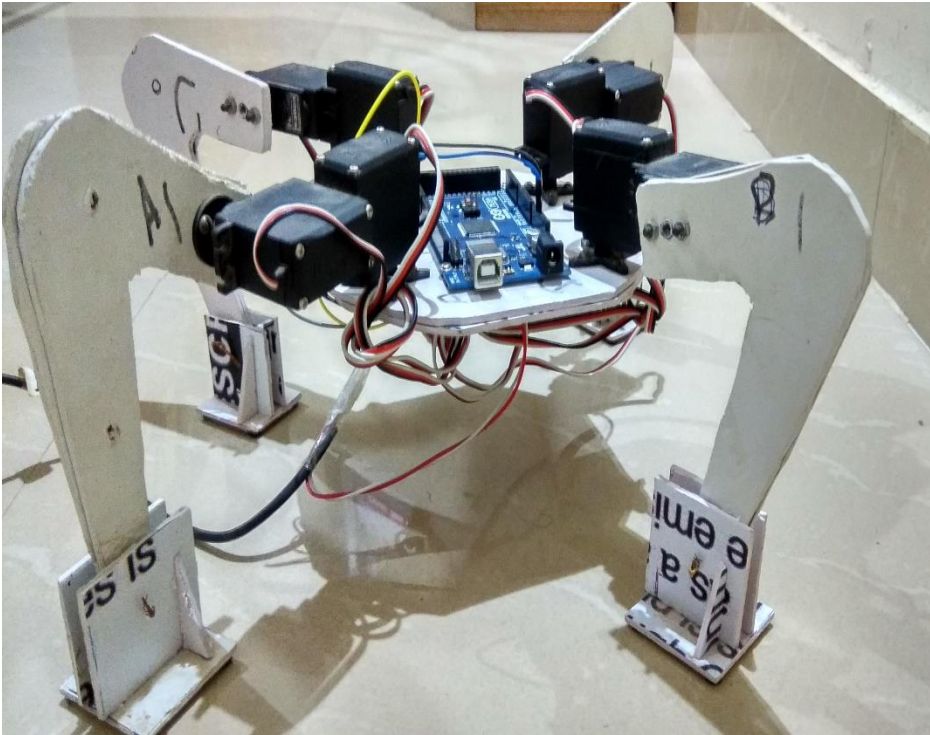
### Servo Motor





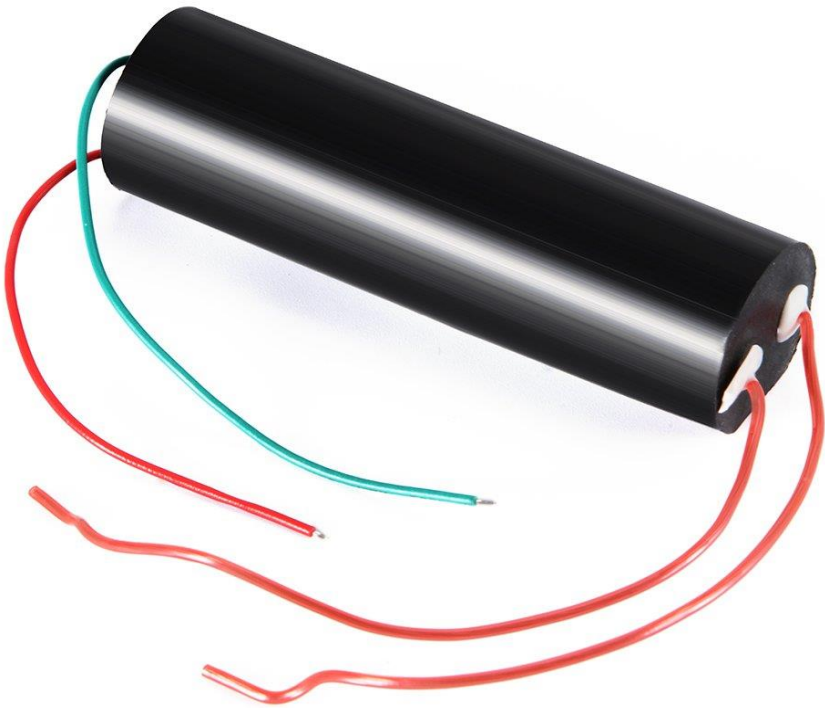
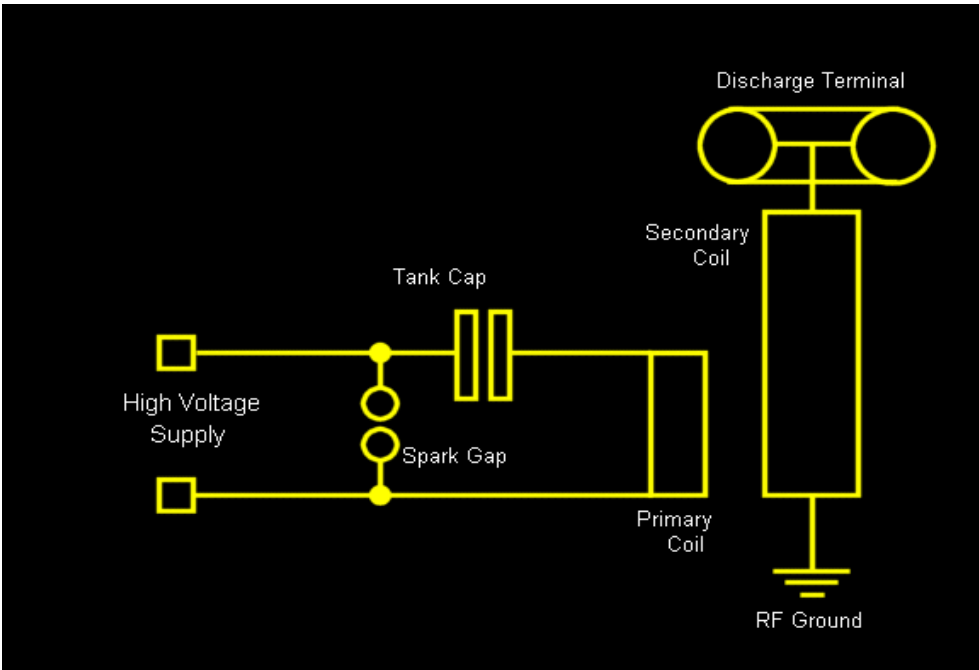
Connectivity Setup

Body structure



EMP Circuit

- ❖ This used to generate electromagnetic pulse to distract the electrons flow control and reset the circuit



Conclusion

- ❖ As per this project development need some stability and then it can be ready to be implemented in defence and security purpose

Future scope

- ❖ In upcoming update this working model will be more stabilised and multiple sensors implemented in it and also special body design for staying anonymous in general area

Reference

1. Arduino <https://www.arduino.cc>
2. GitHub <https://github.com>
3. GeeksforGeek <https://www.geeksforgeeks.org>

