❑ ***Robotic Arm To Defuse Bombs***

- ***Main Idea:-***

The advancement in technological robotics has now created a performance that the sequel was unable to do without affecting a human. The wireless attack robot is one of the main weapons that can be used to defend oneself from bombings and any other person we propose in this project

A robot equipped with wireless radiation capability, which can be controlled via a wireless system by the user. Key features of this robot include a robot, a wireless camera that creates explosives, and a base with an ingenious gripper. Although this robot is not perfect, we can choose the life of the person responsible for selecting the criminal by using this robot. Thus, providing a more effective and effective alternative in order to stimulate people's lives in general. Eliminating these robots can defuse bombs, and other similar actions. Only contain experts who are able to unveil the software that works with it. However, this method of analysis will for some time be compromised. The remote control is controlled by the user through wireless technology using remote control software. The site is controlled by a robot technician using this program. User inputs are sent via Bluetooth to a receiver, which initiates them, recognizes them and forwards them to the single unit

(robot). The base, wireless arm and camera are all parts of Android.

- ***Components Required for Our Project:-***

- Arduino board (e.g., Arduino Uno)

MG 90 metal gear Servo motors (3x)

- L298N motor driver

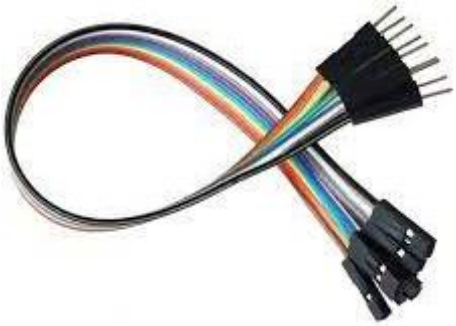
HC-05 Bluetooth module

- Laser cut Chassis and Robotic arm mechanical components

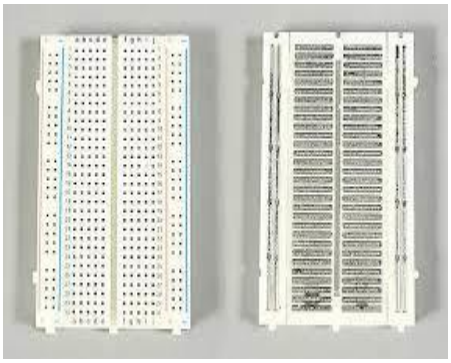
- Switch
- 12V Li-ion battery

LM2596 DC-DC Buck Converter

- Jumper wires

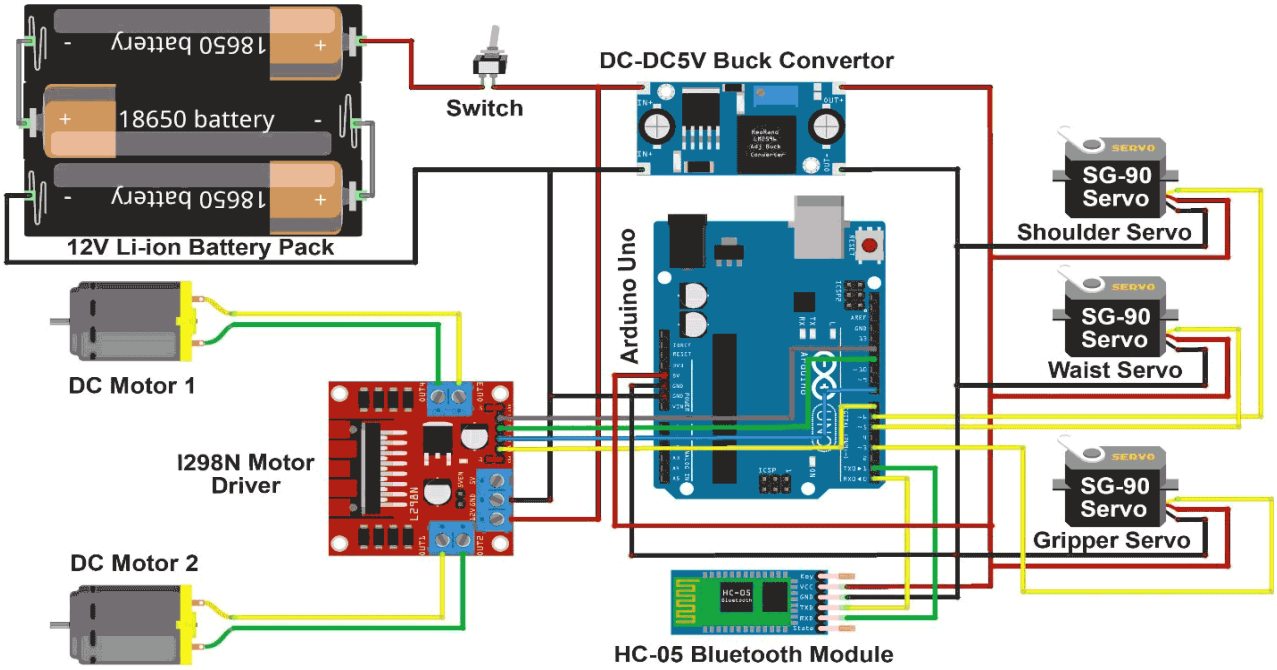


Breadboard or PCB (Printed Circuit Board)



Screws, nuts, spacers

- Circuit Diagram for Bluetooth-Controlled Robotic Arm To Defuse Bombs with Arduino (3 Servo Motors):-



★Our project after assembly