# **Robotic Arm Kit**

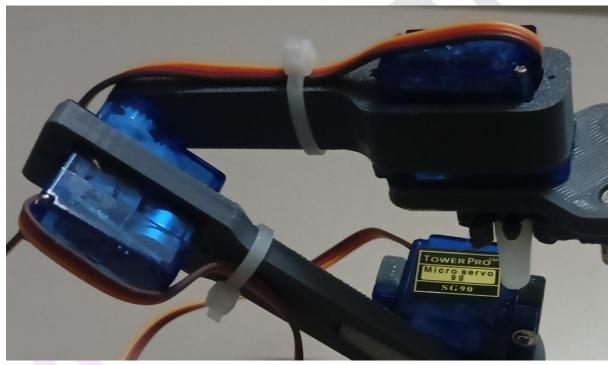
### 3D Printed Parts:



- The robotic arm kit features 9 uniquely designed 3Dprinted components.
- Each part is customizable in color.
- The original model was designed by "RACBOTS" on Printables and later remixed by "Innovoltics" to enhance compatibility.

## Wire Management:





To maintain a clean and organized build, the kit includes 3 zip ties for securing servo wires — 2 are used during assembly, and 1 is provided as a spare.

#### **Fasteners:**



The mechanical assembly utilizes a variety of **fasteners** to ensure stability and durability.

### These include:

2 × M3 bolts, washers, and nylock nuts (for wrist joints)

- 2 × M2 screws (for wrist servo)2 x M2 Bolt & nut (For PCB Mounting)
- 2 × M2 bolts and nuts (for PCB mounting)
- 4 × M3 bolts and nuts (for arm base attachment)

Each component contributes to the precise and stable movement of the robotic arm joints.

- Demo Code + MIT App Inventor App + Project Files:
- **Download Software & Demo Code**

**Robotic Arm Kit Assembly Guide (For Reference):** 

YouTube: Video Guide