

## Circuit Connections for Automatic Hand Sanitizer Dispenser

### 1. Ultrasonic Sensor:

- **Vcc** of the ultrasonic sensor is connected to **5V** of the Arduino via a breadboard.
- **GND** of the ultrasonic sensor is connected to the **GND** of the Arduino via the breadboard.
- **Trigger pin** of the ultrasonic sensor is connected to **D7** of the Arduino.
- **Echo pin** of the ultrasonic sensor is connected to **D6** of the Arduino.

### 2. Servo Motor:

- **Ground** of the servo motor is connected to the **ground rail** on the breadboard.
- **Signal pin** of the servo motor is connected to **D5** of the Arduino.

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### Working:

Once the circuit connections are made, the **ultrasonic sensor** senses the distance between the hand and the sanitizer outlet. The Arduino processes this distance value. If the object (hand) is within the specified range, the **servo motor** rotates and dispenses the sanitizer.

