**DEFENCE RADAR SYSTEM**

Greetings everyone, I will be demonstrating the steps involved in creating a handheld Arduino Defence Radar System using an ultrasonic sensor and an OLED display(128x32 i2c).

Material Needed :-

1) Arduino Uno

2) Ultrasonic sensor Hcsr04

3) Oled Display 128x32 i2c (use Lib SH1106 if SSD1360 doesn’t work)

4) jumper wires

5) Arduino Usb

6) servo motor sg-90

First we connect the Oled Display with Arduino. Do connections as follows :-

OLED Display - Arduino

Vcc - 3.3v

Gnd - Gnd

Scl - A5

SDA - A4

Connection of Ultrasonic with Arduino :-

Ultrasonic sensor - Arduino

Vcc - 5v

Trig - 9pin

Echo - 10pin

Gnd - Gnd

Connection of servo motor with Arduino

Servo motor - Arduino

Gnd - Gnd

Vcc - 5v

Signal - 11pin

Circuit Diagram :

