**Servo motor interface with Arduino UNO**

**Code:**

#include <Servo.h>

Servo myservo;

int value;

double angle;

void setup()

{

Serial.begin(9600);

myservo.attach(9);

}

void loop()

{

value = analogRead(A0);

angle = map(value, 0, 1023, 0, 180);

Serial.println(angle);

myservo.write(angle);

delay(15);

}

**Design**

