

Automated Dino Game using Arduino

In this project we will make a google dinosaur game using Arduino, this Automated Dino Game is very easy to make. In few steps you can make this dino game at home and to make this automated dino game Arduino UNO is used here you can also use Arduino Nano.



Components required

1. Arduino Uno
2. Servo Motor
3. 10K Resistor
4. LDR

Introduction

This project is built only for fun. To make this project, we need Arduino Uno; Servo Motor; 10K Resistor, and most Important thing LDR (Light Dependent Resistor) LDR is to automatically turn on a light at a certain light level. An example of this could be a street light or a garden light. But in this project, we put the LDR on the screen of the laptop not on the road.

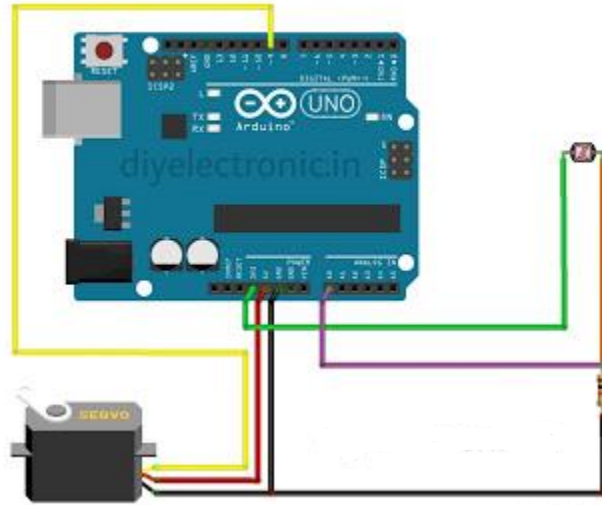


When dark comes on LDR then LDR gets the signal to Arduino Analog Pin (A0) then Arduino gives a single to digital pin 9 to activate the Servo Motor.

As you know, we connected our servo motor to the laptop to press the space button.



Circuit Schematics



Code

```
#include <Servo.h>

#define threshold 250

#define unpress_angle 70

#define press_angle 36

Servo myservo; // create servo object to control a servo

bool trig=true;

void setup() {

  myservo.attach(9); // attaches the servo on pin 9 to the servo object

  myservo.write(unpress_angle);

}

void loop() {

  myservo.write(unpress_angle);      // unpress the button

  delay(1);
```

```
if(analogRead(A0)< threshold){  
myservo.write(press_angle);    // press the button  
  delay(100 );                // waits 100ms for the servo to reach the position  
}  
}
```