**ASSIGNMENT 1 – IOT**

**HOME AUTOMATION**

**TEAM MEMBERS:**

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**PROJECT LINK: <https://www.tinkercad.com/things/hAIUOf4HCOd-sizzling-leelo-crift/editel?sharecode=4LHY_JHhvoMfV_CSs6qpXA0ktDEE-SiD-z2Wdl9Jwk4>**

**CODE:**

void setup()

{

pinMode(6,OUTPUT);//led

pinMode(7,OUTPUT);//buzzer

pinMode(3,INPUT);//pir

pinMode(A1,INPUT);//ldr

Serial.begin(9600);

}

void loop()

{

int a=analogRead(A1);

Serial.println("The value of LDR is:");

Serial.print(a);

if(a<500)

{

analogWrite(6,255);

}

else if(a>500)

{

analogWrite(6,0);

}

if(digitalRead(3)==HIGH)

{

tone(7,131);

}

else if(digitalRead(3)==LOW)

{

noTone(7);

}

delay(500);

}

**CIRCUIT:**

