



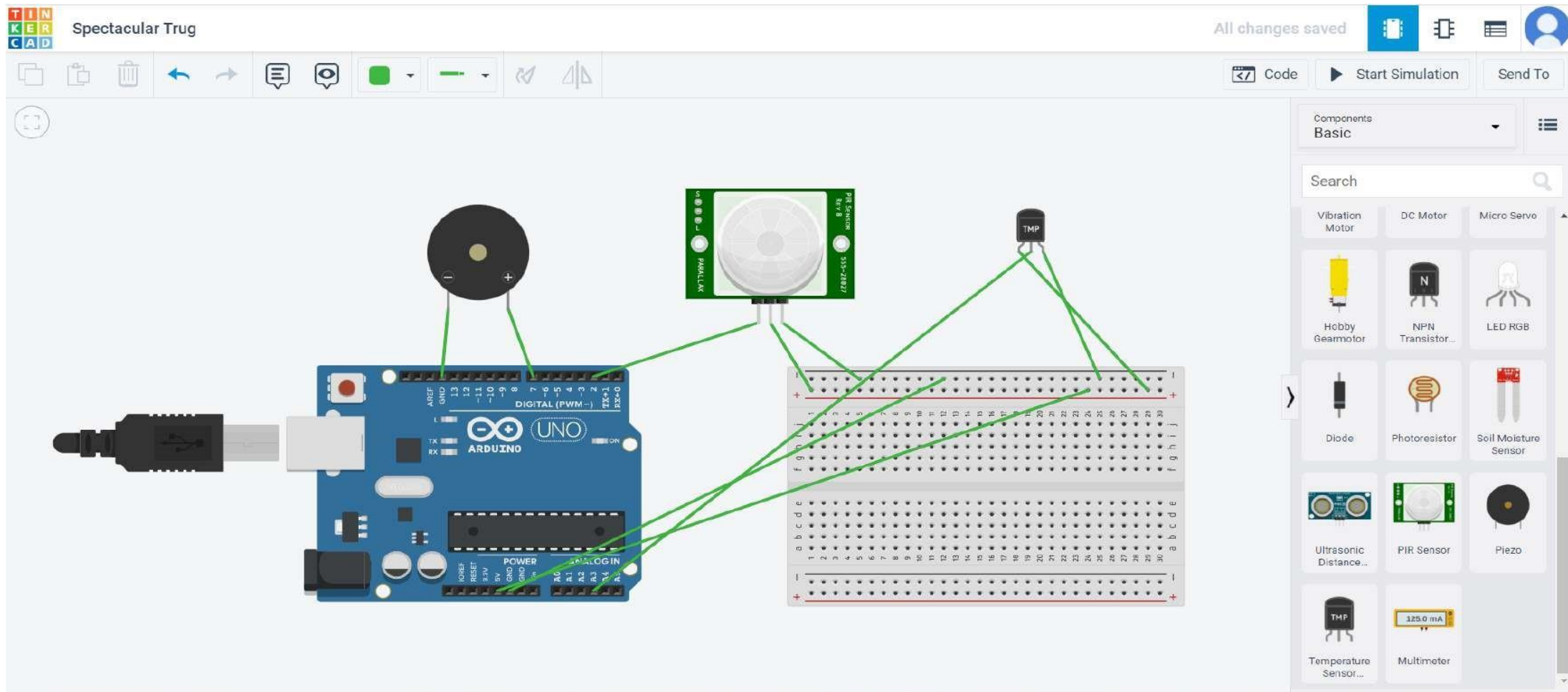
# GOVERNMENT COLLEGE OF ENGINEERING,SALEM-11

[Department of Electronics & Communication Engineering]

## ASSIGNMENT -1

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### **CODE:**

```
int pinSensor =2;
```

```
int pinBuzzer =7;
```

```
int pirSensor =0;
```

```
float sensor=A3;
```

```
float analog;
```

```
float tempv;
```

```
float tempc;
```

```
float tempf;
```

```
void setup()
```

```
{
```

```
pinMode(pinSensor, INPUT);
```

```
pinMode(sensor, INPUT);
```

```
pinMode(pinBuzzer, OUTPUT);
```

```
Serial.begin(9600);  
  
}  
  
void loop()  
{  
  analog=analogRead(sensor);  
  tempv=analog*5.0/1023;  
  tempc=(tempv-0.5)*100.0;  
  tempf=((tempc*9.0)/5.0)+32.0;  
  Serial.print("temperature:");  
  Serial.println(tempc);  
  if (tempc >=60)  
  {  
    tone(pinBuzzer, 200, 100);  
  }  
}
```

```
delay(100);  
pirSensor = digitalRead(pinSensor);  
if (pirSensor == HIGH)  
{  
tone(pinBuzzer, 1000, 500);  
}  
delay(100);  
}
```

