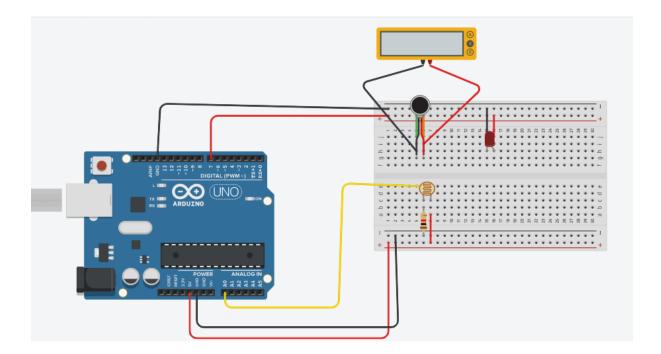
Vibration motor

<u>Harsha R</u>

1BM18CS034

<u>Aim</u>: To generate vibrations if surroundings become dark.

Circuit Diagram



Handwritten Code

	Vibration Motor Harsha R 1BM 1865034 Man /3
	int lds. pin = 7; int lds. pin = A0; int threshold = 400;
	serial. begin (9600); pinModo (Wt., pin, OUTPUT);
s);	noid loop() { yout brightness = analoghead(ld1 pm. if (brightness < thteshold) { digitalculaite (nit pin, HI (4H); Selial. plint ("brightness."); Selial. println("Vibrate"); 3 else { digitalculaite (nit pin, LOW); Selial. print ("brightness."); 3 else ("brightness."); Selial. print ("brightness."); 3 else ("brightness.");

<u>Code</u>

```
int vib_pin = 7;
int ldr_pin = A0;
int threshold = 400;
void setup()
{
 Serial.begin(9600);
 pinMode(vib_pin, OUTPUT);
}
void loop()
{
 float brightness = analogRead(ldr_pin);
 if(brightness<threshold){</pre>
      digitalWrite(vib_pin,HIGH);
  Serial.print("brightness: ");
  Serial.print(brightness);
  Serial.println(" Vibration");
 } else {
  digitalWrite(vib_pin,LOW);
      Serial.print("brightness: ");
  Serial.print(brightness);
  Serial.println(" No Vibration");
```

```
}
delay(1000);
}
```

Observation/Output:

Vibration occurs if surrounding area becomes dark.