**AES**

**MINI PROJECT**

**Aim:** Using Arduino UNO, display temperature and humidity on LEC display which is being sensed by DHT11.

**Code:**

**Link: “**[**https://wokwi.com/projects/327559755926078036**](https://wokwi.com/projects/327559755926078036)**”**

Libraries added: DHTLib, LiquidCrystal I2C

#include <dht.h>

#include <LiquidCrystal\_I2C.h>

#define DHT22\_PIN 7

dht DHT;

LiquidCrystal\_I2C lcd(0x27, 16, 2);

int cursorColumn = 0;

void setup() {

  // put your setup code here, to run once:

  lcd.init();

  lcd.backlight();

}

void loop() {

  // put your main code here, to run repeatedly:

  int chk = DHT.read(DHT22\_PIN);

  lcd.setCursor(0, 0);

  lcd.print("Temp.: ");

  lcd.setCursor(10, 0);

  lcd.print(DHT.temperature);

  lcd.setCursor(0, 1);

  lcd.print("Humidity: ");

  lcd.setCursor(10, 1);

  lcd.print(DHT.humidity);

  delay(1000);

}

**OUTPUT:**

