**CODE DETAILS;**

* // Include Libraries
* #include "Arduino.h"
* #include "LiquidCrystal.h"
* #include "PiezoSensor.h“
* // Pin Definitions
* const int rs =12, en=11, d4=5, d5=4, d6=3, d7=2;
* int PIEZOSENSOR\_PIN\_POS=A5;
* // object initialization
* LiquidCrystal lcd (rs, en, d4, d5, d6, d7);
* PiezoSensor pizeoSensor(PIZEOSENSOR\_PIN\_POS);
* // define vars for testing menu
* const int timeout = 10000; //define timeout of 10 sec
* // Setup the essentials for your circuit to work. It runs first every time your circuit is powered with electricity.
* void setup()
* {
* Serial.begin(9600);
* while (!Serial) ; // wait for serial port to connect.
* Serial.println("start");
* // set up the LCD's number of columns and rows
* lcd.begin(16, 2);
* }
* // Main logic of your circuit. It defines the interaction between the components you selected. After setup, it runs over and over again, in an eternal loop.
* void loop()
* {
* // Piezo Element - Test Code
* int piezoSensorVal = piezoSensor.read();
* Serial.print(F("VOLTAGE: "));
* Serial.println(piezoSensorVal);
* lcd.clear();
* lcd.setCursor(0,1);
* lcd.print(“VOLTAGE:”);
* lcd.print(piezoSensorVal);
* delay(100);
* }