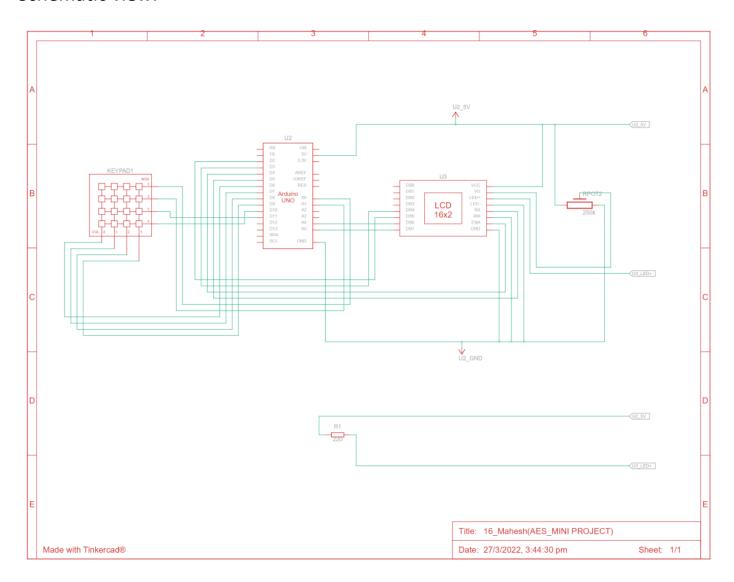
# **AES MINI PROJECT**

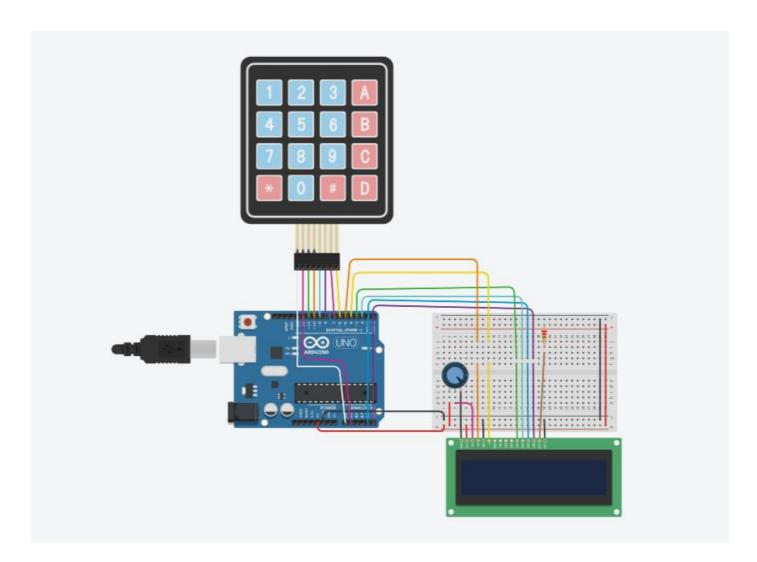
Aim: display keypad input on LCD using Arduino Uno

## **Hardware Requirement:**

Name	Quantity	Component
KEYPAD1	1	Keypad 4x4
U2	1	Arduino Uno R3
U3	1	LCD 16 x 2
Rpot2	1	250 kℚ Potentiometer
R1	1	220 ♀ Resistor

#### Schematic view:





#### Code:

```
};
byte rowPins[ROWS] = {A0, A1, 11, 10}; //connect to the row pinouts of the keypad
byte colPins[COLS] = {9, 8, 7, 6}; //connect to the column pinouts of the keypad
int LCDCol = 0;
int LCDRow = 0;
Keypad keypad = Keypad( makeKeymap(keys), rowPins, colPins, ROWS, COLS );
void setup(){
 Serial.begin(9600);
 lcd.begin(16, 2);
 lcd.setCursor(LCDCol, LCDRow);
 }
void loop(){
 char key = keypad.getKey();
 if (key){
  Serial.println(key);
  if (LCDCol > 15)
  {
  ++LCDRow;
   if (LCDRow>1)
   { LCDRow=0; LCDCol = 0; lcd.clear(); }
```

```
LCDCol = 0;
}
lcd.setCursor (LCDCol, LCDRow);

lcd.print(key);
++LCDCol;
}
```

### Output:

After you upload the code, when you press a key, the value will be printed out on LCD.

