# AES MINI PROJECT

# Aim: display keypad input on LCD using Arduino Uno

# Hardware Requirement:

# 

# Schematic view:

# 

# 

# Code:

# #include <Keypad.h>

# #include <LiquidCrystal.h>

# LiquidCrystal lcd(5, 4, 3, 2, A4, A5);

# const byte ROWS = 4; //four rows

# const byte COLS = 4; //three columns

# char keys[ROWS][COLS] = {

# {'1','2','3','A'},

# {'4','5','6','B'},

# {'7','8','9','C'},

# {'\*','0','#','D'}

# };

# 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.

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