

College of Science and Computer Engineering Department of Computer Science & Artificial Intelligence

CCAI 436
Advanced Topics in Artificial Intelligence



Lab#6

Student Name: Alia AlGhamdi

Lab work -software-

```
#include <Keypad.h>
const byte ROWS = 4; //four rows
const byte COLS = 4; //four columns
//define the cymbols on the buttons of the keypads
char hexaKeys[ROWS][COLS] =
 {'1', '2', '3', 'A'},
 {'4', '5', '6', 'B'},
 {'7', '8', '9', 'C'},
 {'*', '0', '#', 'D'}
};
byte rowPins[ROWS] = {9, 8, 7, 6};
//connect to the row pinouts of the keypad
byte colPins[COLS] = {5, 4, 3, 2};
//connect to the column pinouts of the keypad
//initialize an instance of class NewKeypad
Keypad customKeypad = Keypad( makeKeymap(hexaKeys), rowPins, colPins,
                              ROWS, COLS);
void setup() {
  Serial.begin(9600);
void loop() {
  char customKey = customKeypad.getKey();
  if (customKey) {
    Serial.println(customKey);
```

• Code link: Lab 6 work



