ABSTRACT

Components:

1.Arduino Uno

2.16\*2 LCD display

3.4\*4 Keypad

4.9v Battery

5.Bread board and Connecting wires

Before final year major projects the skills you develop in this project ,such as working with Arduino ,digital inputs /outputs ,creating user interface, and debugging code ,can be applied to more complex projects in the future. This project helps you understand how embedded systems work, including how to manage limited resources. Finally , its a fun and rewarding experience.

I was used Arduino Uno board for implementing my project. Arduino IDE is the integrated development environment where you write , compile ,and upload your code to the Arduino board. Arduino programming is based on c/c ++ , you’ll be write your code using a simplified version of c ++.Interface a LCD and keypad with Arduino using libraries. The library for LCD is already included the Arduino .For Keypad library we can download from internet.

Design Steps:

1.First of all, design the circuit diagram based the logic.

2.Gather the components which are required the project.

3. Make hard ware connections based on the circuit diagram.

4.write the code in Arduino IDE and dump the code in Arduino Uno.

5.observe the values in LCD display.