Finger print Bank Locker System

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OVERVIEW OF EXISTING SYSTEM

- Locks & Keys

- By this we can’t say that we are going to provide good security to our lockers.

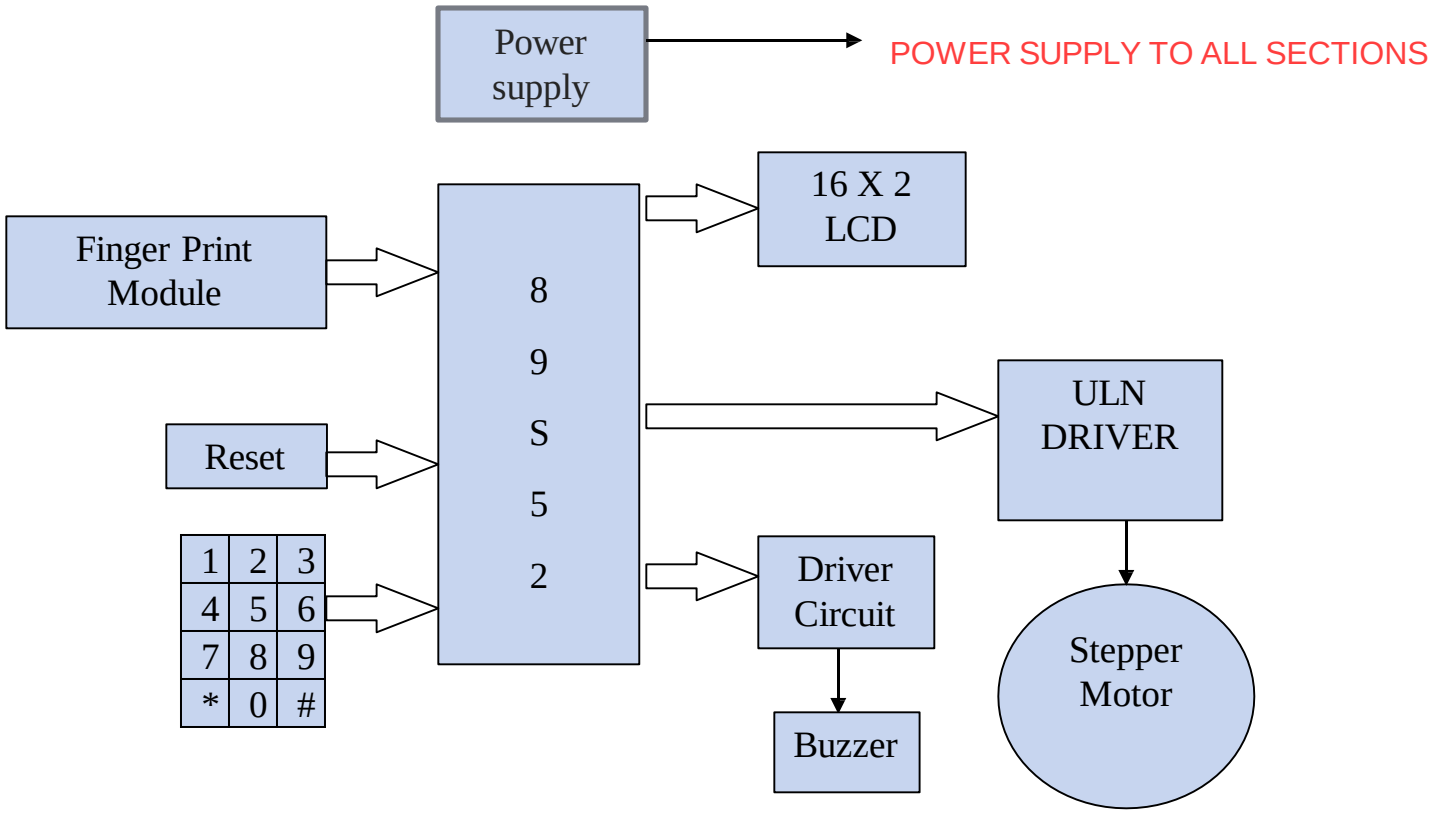
Draw Backs Of Present System

- Security is less
- Others can steal the user's entry key

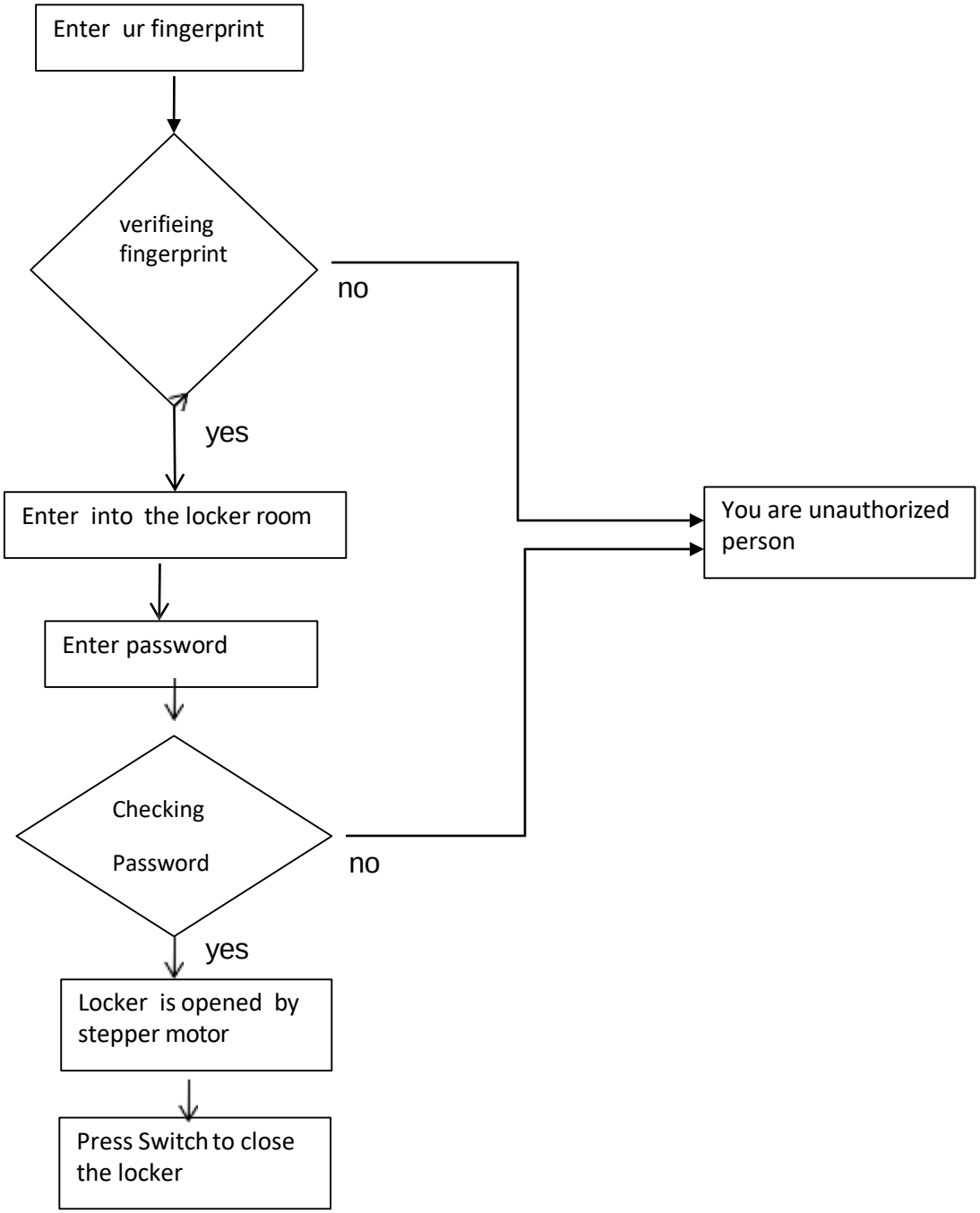
Objective Of The Project

- To provide perfect security.
- Domain of the project are
  - BIOMETRICS(FINGER PRINT)
  - EMBEDDED DESIGN(PASSWORD).

BLOCK DIAGRAM

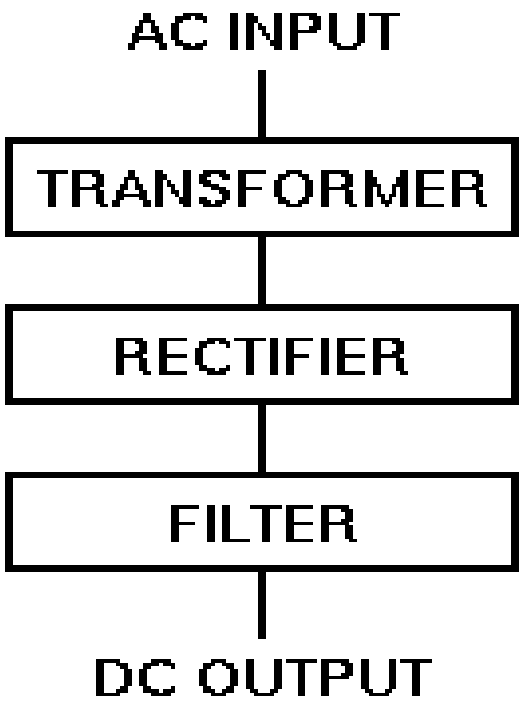


FLOW CHART


Enter ur fingerprint
verifieing fingerprint
no
yes
Enter into the locker room
You are unauthorized person
Enter password
Checking Password
no
yes
Locker is opened by stepper motor
Press Switch to close the locker

Power supply

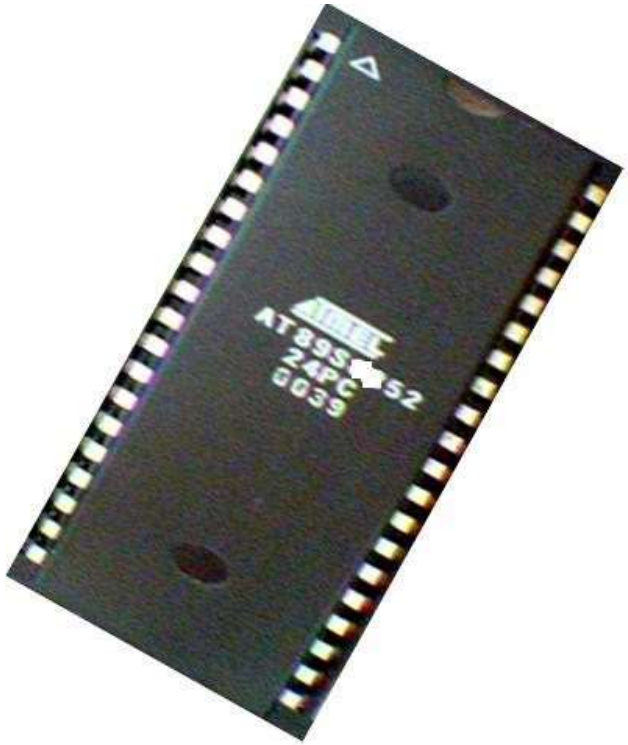
- Transformer
- Bridge Rectifier
- Regulator



MICROCONTROLLER

89S52 microcontroller.

- RAM 256Bytes.
- 8Kb of flash memory.
- The functionality of 89S52 is same as 8051 microcontroller.

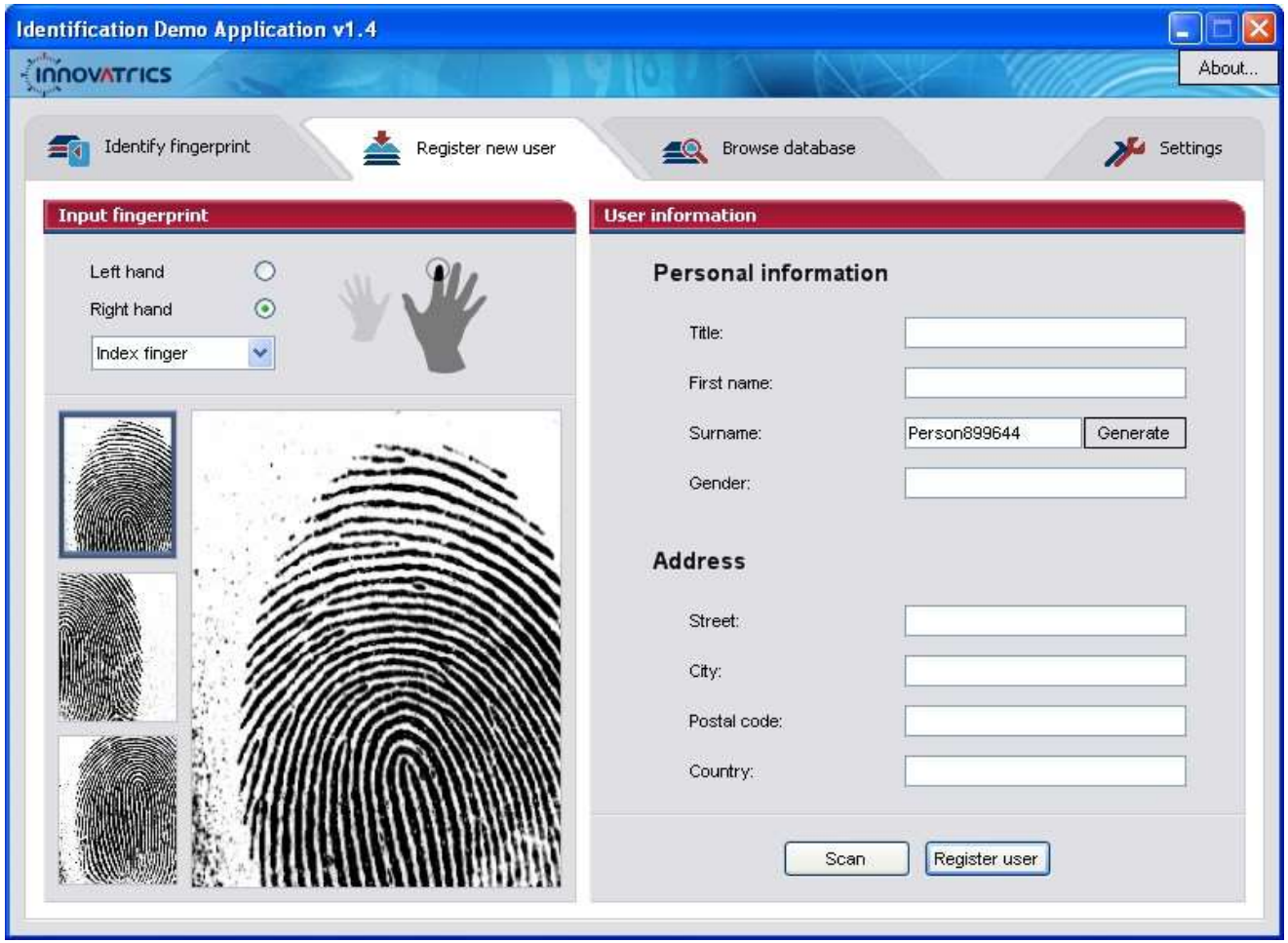


FINGER PRINT MODULE

- In this we choose “verification” process.
- It can operate in 2 modes they are Master mode and User mode.

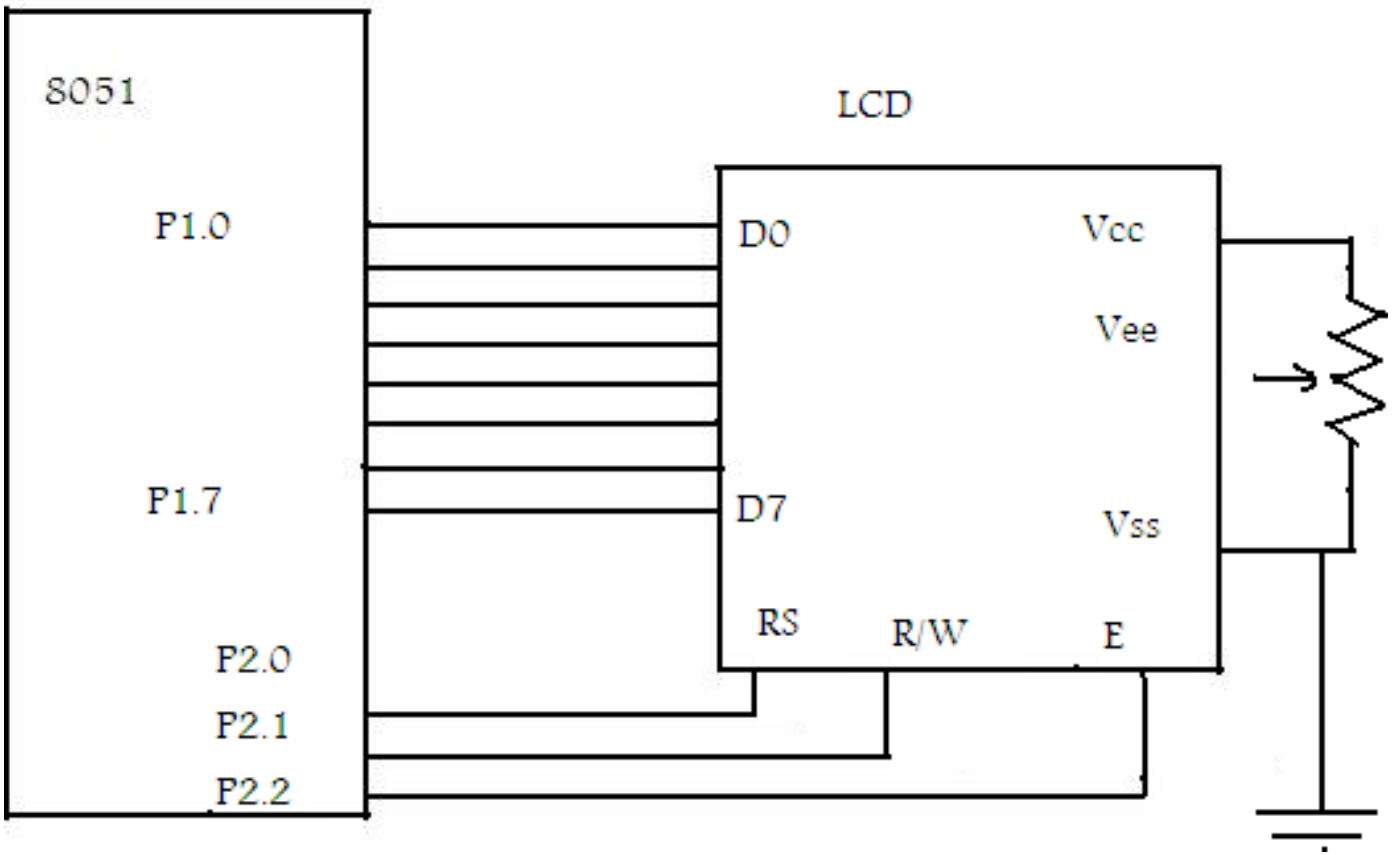
MASTER MODE

- In this mode,we can register our finger image in present of manager.



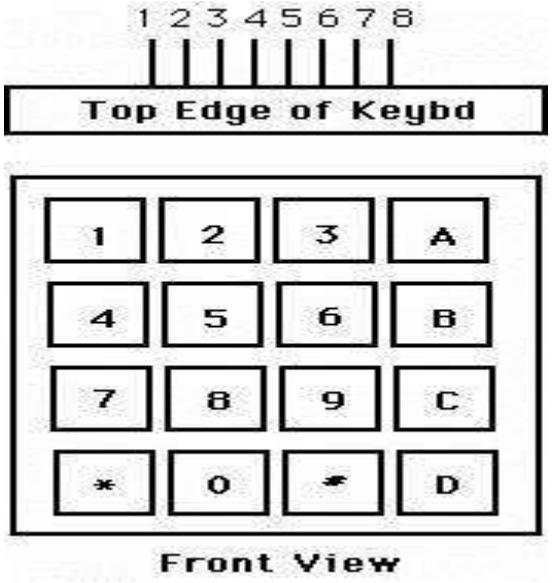
User mode

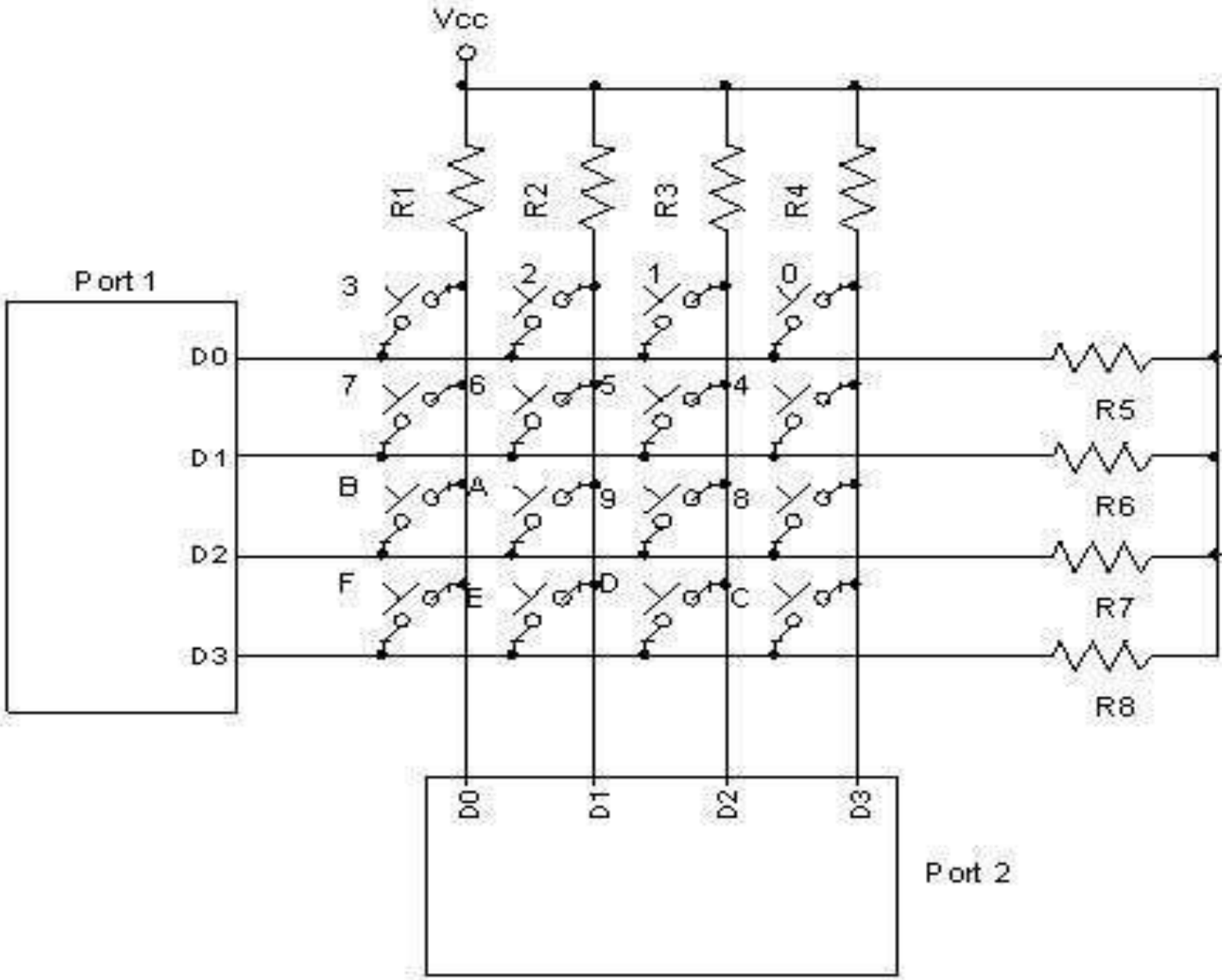
- Compare of input finger print and identified finger print


8051
P1.0
P1.7
P2.0
P2.1
P2.2
LCD
D0
D7
RS
R/W
E
Vcc
Vee
Vss

PASSWORD PROTECTION

- Unique id (password) which is given to user to open his locker with the help of a keypad
- Any port was used to handle our alpha-numeric keypad.




Vcc
R1
R2
R3
R4
Port 1
3
2
1
0
D0
7
6
5
4
R5
D1
B
A
9
8
R6
D2
F
E
D
C
R7
D3
R8
D0
D1
D2
D3
Port 2

ADVANTAGES

- Most secure
- No manual errors
- Need not carry any card
- Others cannot steel the user's entry key

APPLICATIONS

- Voter Identification and electoral enrollment
- Industries
- Banks and ATM
- Personal Computer

Thank you!