

FINGER PRINT BANK LOCKER SYSTEM



2200031165

2200031816

2200033120

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

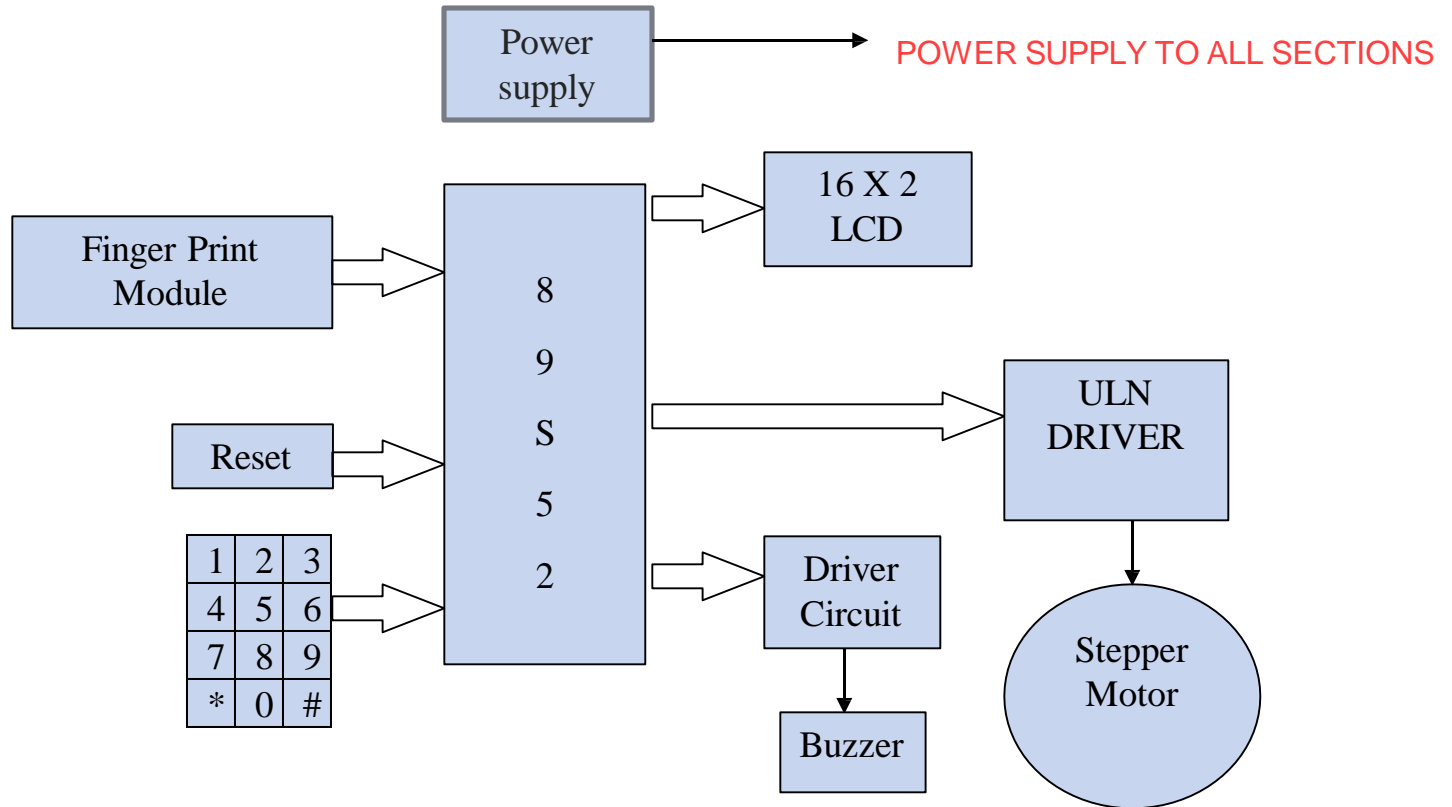
- ❖ Security is less
- ❖ Others can steal the user's entry key



Objective Of The Project

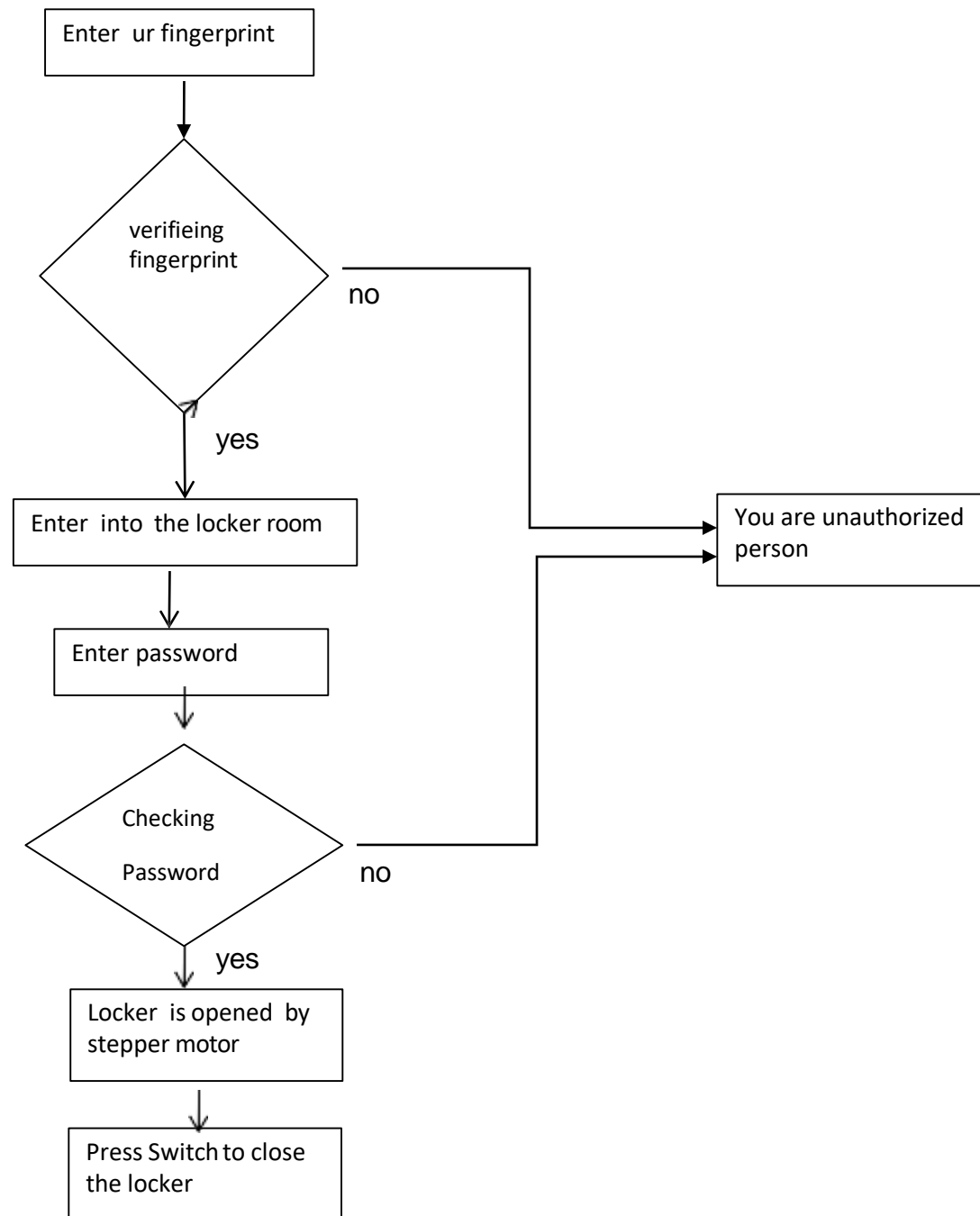
- ❖ To provide perfect security.
- ❖ Domain of the project are
 - BIOMETRICS(FINGER PRINT)
 - EMBEDDED DESIGN(PASSWORD).

BLOCK DIAGRAM



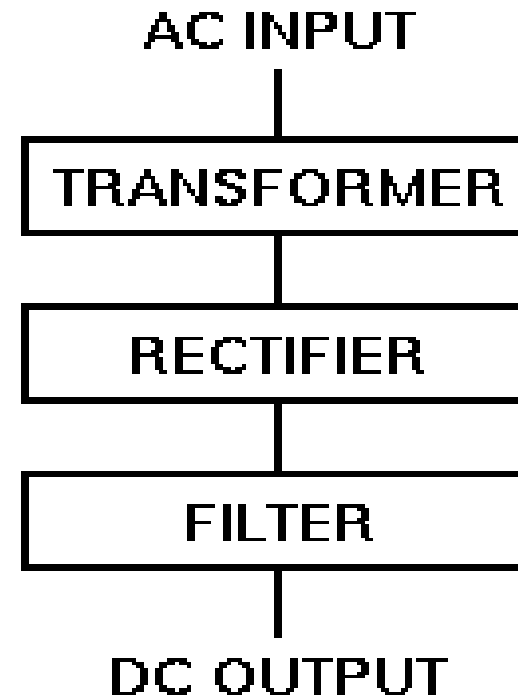
FLOW

CHART



Power supply

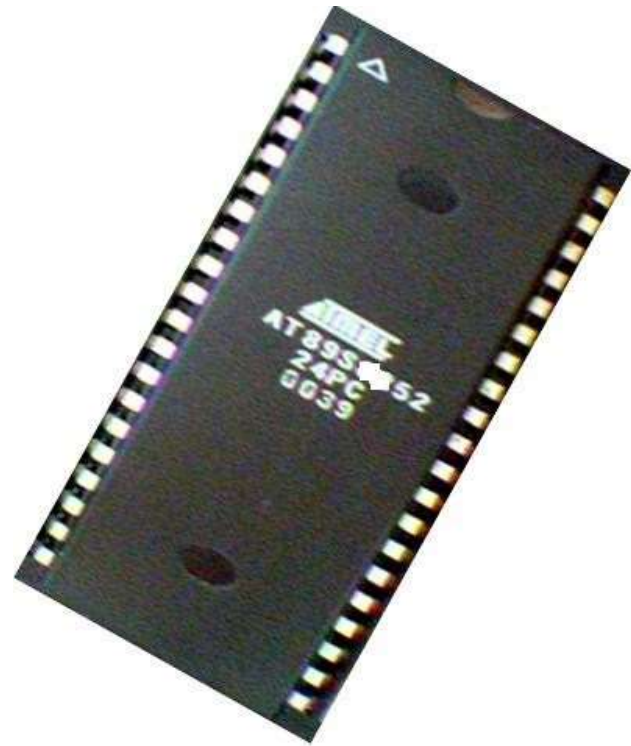
- Transformer
- Bridge Rectifier
- Regulator



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.

The screenshot shows the 'Identification Demo Application v1.4' window. The title bar includes standard Windows window controls and an 'About...' button. The application has a blue header with the 'INNOVATRICS' logo. Below the header is a navigation bar with four tabs: 'Identify fingerprint', 'Register new user' (which is active), 'Browse database', and 'Settings'. The main content area is divided into two panels. The left panel, titled 'Input fingerprint', contains radio buttons for 'Left hand' and 'Right hand' (the latter is selected), a dropdown menu for 'Index finger', and a large fingerprint scanner area showing a scanned fingerprint. The right panel, titled 'User information', contains two sections: 'Personal information' with fields for Title, First name, Surname (with a 'Generate' button), and Gender; and 'Address' with fields for Street, City, Postal code, and Country. At the bottom of the right panel are 'Scan' and 'Register user' buttons.

Identification Demo Application v1.4

INNOVATRICS

About...

Identify fingerprint Register new user Browse database Settings

Input fingerprint

Left hand ☐

Right hand ☒

Index finger

User information

Personal information

Title:

First name:

Surname:

Gender:

Address

Street:

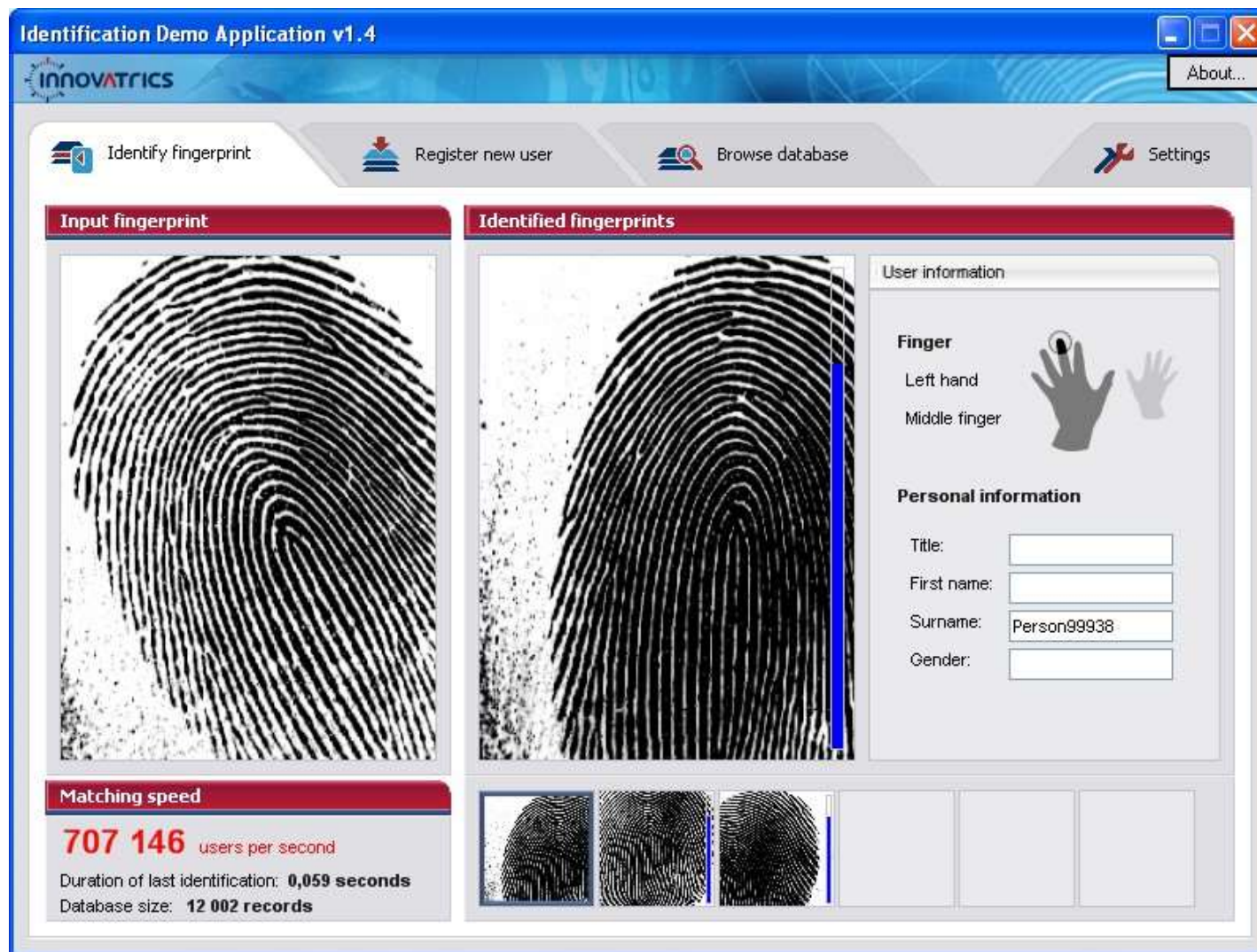
City:

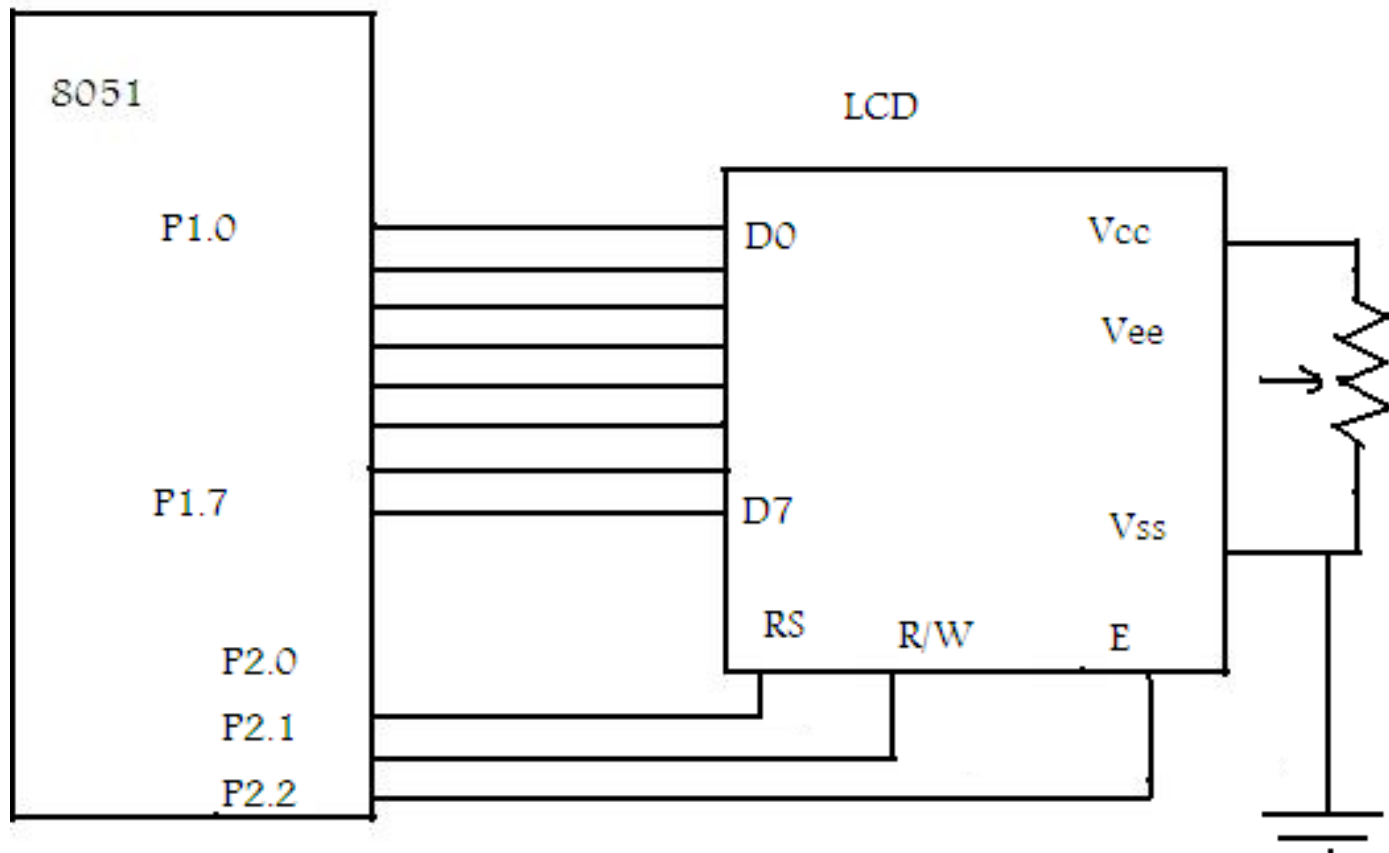
Postal code:

Country:

USER MODE

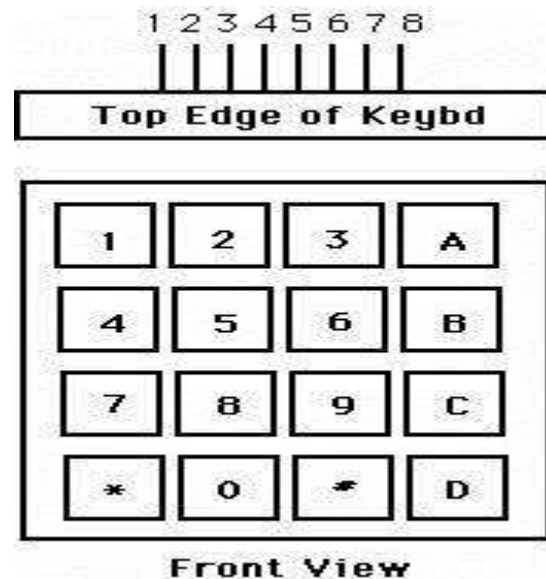
- ❖ Compare of input finger print and identified finger print

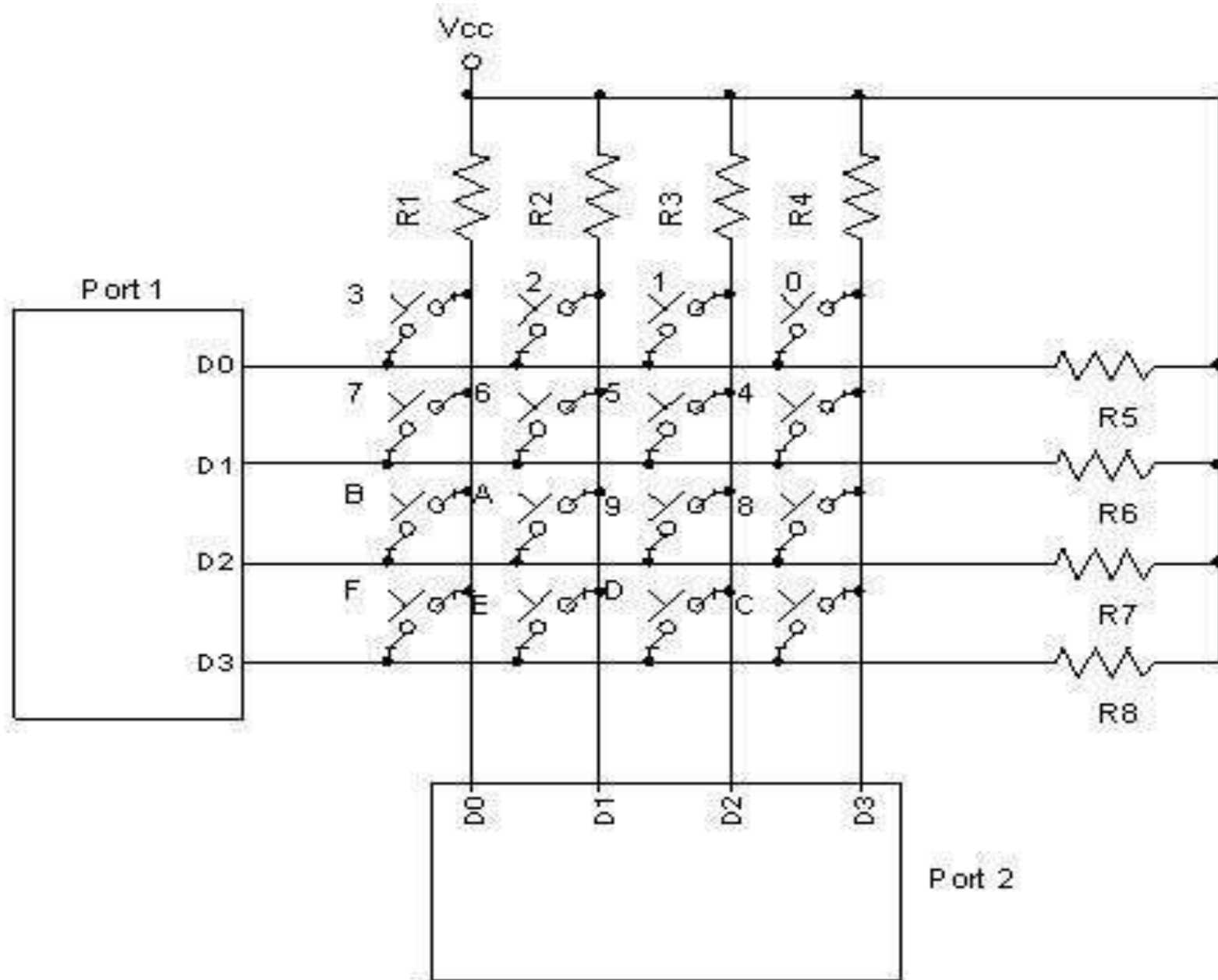




PASSWORD PROTECTION

- ❖ 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.





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!

