Project-I Report

on

VACCINE MANAGEMENT SYSTEM

Submitted for the purpose of an innovative project

Towards the assessment of

Bachelor of Technology

In

Information Technology

Submitted by

PIYUSH KUMAR SHARMA

2K20/B10/61

DEVVART

2K20/B10/17

Under the Supervision

of

Gull Kaur(Asst. professor)

Delhi Technological University

Bawana Road. Delhi -110042

DECLARATION

We hereby certify that the work, which is presented in Project-I entitled **VACCINE MANAGEMENT SYSTEM.** Is in fulfillment of the innovative project required for the evaluation of the first odd semester and submitted to the Department of computer science and engineering, Delhi Technological University, under the supervision of Gull Kaur.

The work presented in this report has not been submitted and not under consideration for the award for any other course/degree of this or any other Institute/University.

PIYUSH KUMAR SHARMA

2k20/B10/61

B.Tech, Information Technology

DEVVART

2k20/B10/17

B.Tech, Information Technology

<u>CERTIFICATE</u>

To the best of my knowledge, the report comprises original work and has not been submitted in part or full for any Course/Degree to this university or elsewhere as per the candidate's declaration.

Place: Delhi   Mrs. Gull Kaur

(Date:25/01/2021)   **(Teacher in charge name)**

<u>Acknowledgments</u>

I would like to express my sincere gratitude to my professor Ms. Gull Kaur for his vital support, guidance, and encouragement - without which this project would not have come forth. I would also like to express my gratitude to the other staff of the Department of Computer Science and Engineering for their support during the making of this project.

<div align="right">

<u>Devvart</u>

2k20/B10/17

<u>Piyush sharma</u>

2K20/B10/61

</div>

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<u>AIM</u>

The aim of this project is to store the **<u>VACCINATION RECORD</u> for the HOSPITAL.**

Introduction

Why your topic is important (convince us!)

As we all already know that many numbers of Covid -19 vaccines were been discovered in many parts of the World. Some countries are started vaccinating people so they have to maintain a record of people who got vaccines to analyze the progress of vaccination in a specific area, age groups, or gender.

Where is it used? Applications

Our Program can be used in a Hospital to manage its vaccine stock and to count the people who were vaccinated by them.

What you will talk about/do

This management system is designed for a single hospital or covid ward. This management system is designed in c++. Talking about the features of the management

Our system can do the following tasks:-

It has an inbuilt login system with auto-generated capture code we add vaccinated people data as well as we can count no. of vaccine left in the hospital

In this project we can search data of vaccinated people data on the basis of Aadhar no. also we can search on the basis of other subcategories like sex age or profession.

Background

Software used

1. Visual code Studio

2. Google Chrome

3. Windows 10

4. Text Editor

Code Language

C++

Header file and Their Functions

1. IOSTREAM--cout, cin
2. STDIO.H--gets(),puts()
3. FSTREAM-read(), write(), seekg(),
4. CONIO.H--clrscr(), getch(),
5. STRING.H--strcpy(),strcmp(),compare(), strcmpi(),
6. WINDOWS.H-- Sleep()
7. IOMANIP--setiosflags(), setw(),
8. TIME.H-- time()
9. cstdlib.h--rand(), srand()

Output

Welcome page

Press any key to continue

Login successfully

Login Failed

```
************************************************
         Enter User name and Password
************************************************



                    USER NAME:  devvart

                    PASSWORD:     ****
                     CAPTURE:->  6167
Please enter the valid capture :-    51

            Wrong Password Or User Name

            You Can try Only 2 times more



                    USER NAME:  devvart

                    PASSWORD:     ********
                     CAPTURE:->  6249
Please enter the valid capture :-    6521

            Wrong Password Or User Name

            You Can try Only 1 times more



                    USER NAME:  █
```

```
          YOU ARE BLOCKED FOR 1 MINUTE!!




          TRY AFTER 57 SECONDS.....█
```

Main menu


```
|█-█-█-| VACCINE MANAGEMENT SYSTEM |█-█-█-|


        *****************************************
                        MENU
        *****************************************

    1: Add NEW Record              2: View VACCINE DATA

    3: search                      4: Show all data

                    5: exit


Choose according to your need : █
```

Add new record


```
|█-█-| VACCINE MANAGEMENT SYSTEM |█-█-|


        *****************************************
                      ENTRY DATA
        *****************************************

    Enter your name :-  Piyush

    Enter your aadhar :-  987654

    Enter your gender (M|F) :-  M

    Enter your age:- 19

    Enter your profession :-  Student

    Enter your B.P. :-  96

    Enter your Body temperature:-  98

    Enter your Home state :-  Delhi

    Enter your Mobile number :- 9876543210
YOUR DATA HAS BEEN SUCCESSFULLY INSERTED
█
```

Vaccine Statistics

```
        |█▋█▋█▍-| VACCINE MANAGEMENT SYSTEM  |█▋█▋█▍-|


            ******************************************
                        VACCINE STATISTICS
            ******************************************

        1. Add more                    2.View available
                            3. Back


            Select a option: 2


Available number of vaccines are 195
```

```
        |█▋█▋█▍-| VACCINE MANAGEMENT SYSTEM  |█▋█▋█▍-|



            ******************************************
                        VACCINE STATISTICS
            ******************************************

        1. Add more                        2.View available
                            3. Back


            Select a option: 1
        Enter number of vaccines you want to add
    4
            Now total number of vaccines are : 199
```

Adding new Vaccines

Searching Statistics

```
        |█-█-█-| VACCINE MANAGEMENT SYSTEM  |█-█-█-|


              ******************************************
                        SEARCHING STATISTICS
              ******************************************

    From which option you want to perform searching

                    1. By aadhar            2. By Age

                    3. By profession        4. By gender

                    5. By Home State


                    Enter your choice : █
```

Searching(By Aadhar)

```
        |█-█-█-| VACCINE MANAGEMENT SYSTEM  |█-█-█-|


              ******************************************
                        ADHAR SEARCHING
              ******************************************
    Enter your Aadhar number
    987654
    Name       Aadhar No.       Age     Profession     B.P.    Temperature    gender Mobile No.      State

    Piyush     987654           19      Student        96      98             M      9876543210      Delhi
    █
```

Searching(By Age)

```
                    ****************************************
                              AGE SEARCHING
                    ****************************************
enter Age by which you want to search
19
Name        Aadhar No.        Age       Profession      B.P.    Temperature    gender Mobile No.    State

devvart     12345             19        student         23      32             m      1234567890    delhi

Piyush      987654            19        Student         96      98             M      9876543210    Delhi



                        NO of people vaccinated  by this age: 2
```

Seaching(By profession)

```
              |=H=H=-| VACCINE MANAGEMENT SYSTEM  |=H=H=-|


                    ****************************************
                              PROFESSION SEARCHING
                    ****************************************
enter Profession by which you want to search
Student
Name        Aadhar No.        Age       Profession      B.P.    Temperature    gender Mobile No.    State

Piyush      987654            19        Student         96      98             M      9876543210    Delhi


                    NO of people vaccinated by this profession:1
```

Searching(by gender)

```
              |=H=H=-| VACCINE MANAGEMENT SYSTEM  |=H=H=-|


                    *****************************************
                              GENDER SEARCHING
                    *****************************************
  Enter gender by which you want to search
  m
  Name       Aadhar No.        Age       Profession      B.P.    Temperature    gender Mobile No.    State

  Nav        delhi             12        teacher         232     23232          m      1234          delhi

  devvart    12345             19        student         23      32             m      1234567890    delhi

  Prashant   12345678          38        Professor       97      96             M      9999300458    Delhi

  Piyush     987654            19        Student         96      98             M      9876543210    Delhi


  NO. of people vaccinated by this gender: 4
```
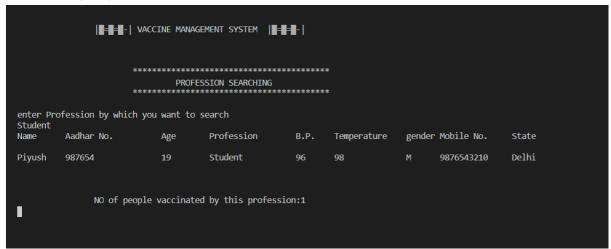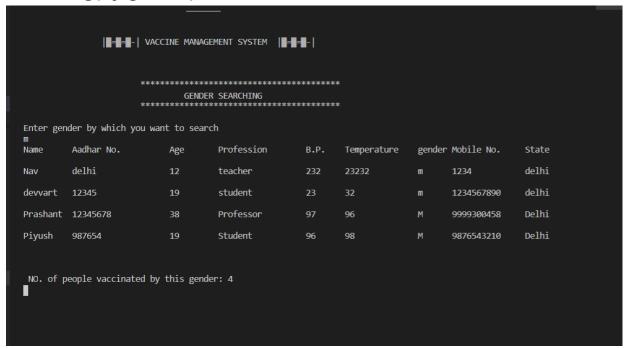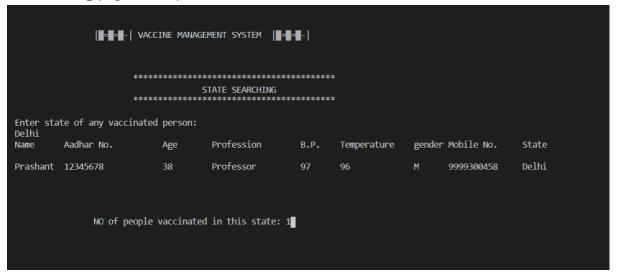
Searching(By State)

```
          |▌█▌█▌-| VACCINE MANAGEMENT SYSTEM  |▌█▌█▌-|


            *****************************************
                        STATE SEARCHING
            *****************************************
Enter state of any vaccinated person:
Delhi
Name        Aadhar No.        Age        Profession      B.P.    Temperature    gender Mobile No.      State

Prashant  12345678          38          Professor       97      96             M      9999300458      Delhi



                NO of people vaccinated in this state: 1
```

View all Data

```
          |▌█▌-| VACCINE MANAGEMENT SYSTEM  |▌█▌-|


            *****************************************
                        ALL ENTRIES
            *****************************************
Name        Aadhar No.        Age        Profession      B.P.    Temperature    gender Mobile No.      State
Nav         delhi             12         teacher         232     23232          m      1234            delhi

devvart     12345             19         student         23      32             m      1234567890      delhi

Gull Kaur 1234567890          24         Professor       93      98             F      8447496702      Punjab

Prashant  12345678            38         Professor       97      96             M      9999300458      Delhi

Piyush      987654            19         Student         96      98             M      9876543210      Delhi


                Total Number of People who were Vaccinated: 5


                Record Successfully Read
```

Exit

Conclusion

This project helps the user(Hospital admin) to keep track of the vaccination process. The Government can use this data to make stats how many people of this age, profession, etc. are vaccinated. This will also help the user to understand the concepts and functions in the C++ language especially the oops concept.

This project also helps in improving the knowledge of the user to a certain extent and understand the benefits of C++.

Source Code

For source Source code, click on the link given below

Source Code Link : Vaccine Management System

<u>References</u>

1. GEEKS FOR GEEKS

2. STACK OVERFLOW

3. ONLINE STUDY MATERIALS

4. Compuer science with C++ -Preeti Aroda And Pinki Gupta