

COVID VACCINATION MANAGEMENT SYSTEM

This project will be submitted as partial requirement for the course CS-217 in spring 2021.

Member 1: Ammar Siddiqui (20k-0177) (Group Leader)

Member 2: Muaz Zafar (20k-0363)

Member 3: Huzaifa Tanzeel (20k-0305)

Goal:

The goal of this project is to handle the COVID vaccination program in Pakistan more effectively and in an organized way.

Description:

This system basically establishes the platform between the citizens and NCOC (National Command & operation center). This system will enable the citizens to register themselves according to the predefined conditions. After the registration, specified vaccine, vaccination center and time will be allocated and citizen will access this information through his profile. On the managing side, NCOC can update the vaccines that are going to be offered and can set the criteria for the vaccination. It also has the access to view the stats, no. of citizens have been registered, vaccinated. Stock of the vaccines, data of paramedical staff vaccinating the citizens at different vaccination centers. This program also enables the paramedical staff to get associated with the vaccination centers.

In a nut shell, this project will help in the better completion of vaccination program through the maintained data.

Actors/System User(s):

1. Vaccines
2. Citizens
3. Paramedical staff
4. Vaccination centers
5. NCOC (Management operations)

List of Features:

For Citizens:

1. Registration
2. Make the selection of vaccine and vaccination center.

3. Can check his or her status of vaccination registration.

For Admin/NCOC:

1. To see details of registered citizens for vaccination and paramedical staff for vaccination centers.
2. To see the details of vaccinated citizens.
3. To see and manage the stock of the vaccines.
4. Can set the age limit for a particular vaccine.
5. Can add new approved vaccines in the system.

Tools & Techniques:

The project will be in windows supported format. The language will be C++. The IDE that will be use will be Visual Studio Code 2015.

Schedule:

To be submitted one week before the final exam of the spring 2020 semester

☐ Accept

☐ Reject

Course Teacher: Basit Ali

Signature: _____