**DSA PROJECT**

**SYNOPSIS**

**TITLE**

**VACCINE MANAGEMENT SYSTEM**

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**BATCH-B14**

**ABSTRACT**

This is a fully functional C++ software based on the Vaccine Management System.The data contains the name of the persons who have taken the vaccine and also tells the current status of vaccine availability. Individuals can register their details and plan their testing time slot on the User Module side of the system. Previously the task of handling the vaccination data was very difficult, so there was a need for software that can handle all the vaccination data.

Therefore the Vaccine Management System was designed. After the release of this system, the stress and workload of employees were absolutely finished. It was also time-wasting for the employees to handle the whole vaccination data with the help of a notebook. But now it hardly takes 5 to 10 minutes to search the vaccination status of a particular person.

**Data Structures used**

* Graph
* Vector
* Map
* Queue

**Some of The Important Functions used**

* Add centre():-Allow us to add the details of new recovery centre
* Add user(): Allows us to add details of a new registered user
* Get centre():-Shows the nearest available recovery centre
* Book slot(): Provides us with the facility to book vaccination slot
* Get stats(): Gives us the information on total availability of slots