**COVID-19 TEST AND VACCINE TRACKER TOOL FOR INDIVIDUAL HOSPITALS**

**Abstract:**

In Current situation this project mainly designed for individual Hospitals and Health care industries. There is a special request from the Private Hospital where they want to manage the Covid-19 Test results, Patients Quarantine status and same hospital they wanted to track the vaccine 1st dose and last dose information in easy way.

This Project help all hospital employees to have an updated record and can send notification to peoples those who should consume 2nd dose of vaccine and who positive in Covid-19 test. Hospitals are sending the daily reports to health ministry department. To avoid human error in manual data this project helps each individual hospital to pull the updated reports as error free. Based on any one of our unique identity like ADHAR No application will maintain the patient’s records. Though this application in future anytime can get the proper information about Test results, vaccine next does and self-quarantine patient information. This application makes sure doctor to take proper decision in terms of treatment.

Admin login can filter all the report of Covid Test status, Vaccine status. Employee login can enter the daily data then and there when they are checking. Anytime from this tool can filter the updated and error free information of patients.

**EXISTING SYSTEM AND DRAWBACK:**

* No centralized management for Covid-19 patient’s record
* No proper Tracker available for Vaccines
* No proper data and reports available
* Difficult to understand manual data.

**PROPOSED SYSTEM & ADVANTAGES:**

* Lightweight application for all Hospital management
* Centralized management for all data and vaccine update regarding Covid-19.
* Automated notification system to the patients.
* Can avoid additional issue to the patients.
* Proper reports for strategists

**HARDWARE SPECIFICATION**

* Processor: Dual core
* RAM: 4 GB
* ROM: 2 GB

**SOFTWARE SPECIFICATION**

* Database: MySql
* Language: Python 3.9 ,TKinter
* Windows/Linux OS

**System Modules:**

**Admin**

* Login
* User Management
* Vaccine Report
* Covid-19 Report
* Quarantine Report
* Logout

**User**

* Login
* Vaccine Update
* Covid-19 Test
* Quarantine Info
* Logout

**Module Description:**

**Admin**

* **Login**

In login module the admin can login to the application with the login details. Admin can maintain the all details.

* **User management**

Admin only create the user like username and password for the user

* **Vaccine Report**

Admin View the Local Vaccine Report based on the date filter and export the reports based on the date filter

* **Covid-19 Report**

Admin View the Covid-19 Report based on the date filter and export the reports based on the date filter

* **Quarantine Report:**

Admin View the Quarantine Report based on the date filter and export the reports based on the date filter

* **Logout**

Admin will uploaded and manage all details then the admin will terminate the connection.

**User:**

* **Login**

The main activities in the application are the login page for User. The other modules are followed by this login page. This module records only User and password of the User.

* **Vaccine Update**
* **Add Vaccine Report:**

User once login the page, they will be able to add Vaccine Report with patient details like Patient name,Number,Age and more

* **Update Vaccine Report:**

In this module User can edit ,delete and search the Vaccine Report details based on id.And accountant Print the fees receipt also

* **Covid-19 Test**
* **Add Covid-19 Test Report:**

User once login the page, they will be able to add Covid-19 Test Report with patient details like Patient name,Number,Age and more

* **Update Covid-19 Report:**

In this module User can edit ,delete and search the Covid-19 Test Report details based on id.And accountant Print the fees receipt also

* **Quarantine Info**
* **Add Quarantine Report:**

User once login the page, they will be able to add Quarantine Test Report with patient details like Patient name,Number,Age and more

* **Update Quarantine Report:**

In this module User can edit ,delete and search the Quarantine Test Report details based on id.And accountant Print the fees receipt also

* **Logout**

Accountant will uploaded and manage all details then the admin will terminate the connection.

