**E-Project: Online Vaccination Booking System**

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**Certificate**

This is to certify that the dissertation entitled **“Online Vaccination Booking System”** is **Mohsin Baig, Wajahat Sheikh, Sheikh Muhammad Affan, Abdul Hadi Ali** in their partial fulfilment of the requirement of the award of the Aptech Computer Certified.

**ACKNOWLEDGEMENT**

Before anything, I would like to thanks my beloved teacher who helped us a lot in reviewing this project within the limited time frame. Secondly, we would also like to thank the eProject team at Aptech Head Office, who gave us the golden opportunity to do this wonderful project about Viruses.

Thirdly, we also thank the eProject team, some of the benefits are as under: Re-enforcement of skills happens in the experiential learning process. A mentor, ensuring that we do not get drifted, constantly guides us. ∙ It gives us a lot of confidence to face an interview as we have worked on a project.

**Synopsis**

An online vaccination booking system streamlines the process of scheduling and managing vaccinations. Users can access the platform to book appointments, select preferred vaccination sites, and receive reminders. The system also provides real-time availability updates, ensuring efficient distribution of vaccines. With enhanced accessibility and convenience, it plays a crucial role in promoting public health and vaccination coverage, particularly during the ongoing global health crisis.

**Introduction**

In the existing system, Vaccines are provided for infants and children under teenage by various aspects such as by attending school manually and there is a chance that some of the children’s and infants may miss the opportunity of getting vaccinated due to some mandatory reasons. Which leads to loss of life or gets affected by various diseases such as polio… etc? This is a time delay process to wait for each and every one all over the places.

**Proposed Solution**

We can change this manual system into e-vaccination system by collecting the info of infants, registered under website so that those who didn’t took vaccination can avail one more opportunity to save the life of their children . By this system a lot of man-hours can be saved and it is efficient too.

## 

**System Modules**

## **Admin**

* All child details
* Date & time of vaccination
* Report of vaccination
  + Child, Vaccination (Date wise report)
* List of vaccine
  + available or unavailable
* Request from parents
  + Approve or Reject
* Add Hospital
  + Update/Delete Hospital
* List of hospitals
* Booking Details

## **Parent**

* Register & Login
* Details of child
* Vaccination Dates
* Book Hospital
* Request for hospital
* Report of vaccination taken
* My profile

## **Hospital**

* Register & Login
* Update Vaccine status

**Module Description**

## **Admin**

* All child details
  + View all child profile details
* Date of vaccination
  + Upcoming Date of vaccination of all child
* Report of vaccination
  + Child, Vaccination (Date wise report)
* List of vaccine
  + available or unavailable
  + Admin can view the availability of the vaccination
* Request from parents
  + Approve or Reject
  + Once the request for appointment from parent side, it will be approved from the admin
* Add Hospital
  + Admin can add the hospital details
* Update/Delete Hospital
  + Admin can update or delete the hospital details
* List of hospitals
  + Admin can view the hospital details
* Booking Details
  + Admin can view the booking details from parent side for booking vaccination

## **Parent**

* Details of child
  + Update and maintain the child details of vaccination
* Vaccination Dates
  + Can get notified through in Dashboard of their respective accounts about upcoming vaccinations.
* Book Hospital
  + Use can search the list of hospital and book schedule for the vaccine dates
* Report of vaccination taken
  + Can get the report status of previous vaccination of their respective Infants

## **Hospital**

* Register & Login
  + Can register and login into the app with hospital name, address and location details.
* Update Vaccine status
  + Hospital will receive the appointment once its booked from admin side. If vaccination is completed they will update the status to Vaccinated or not.

**Requirements:**

**User Registration:**

* Admin, Hospital, and Patient should be able to create accounts with their

respective details.

* They must provide necessary information like name, address, and login

credentials (username and password).

**Admin Functions:**

* View All Patient Details: The admin can see profiles of all registered patients.
* Vaccination Reports: Admin can generate reports on patients, in date-wise formats.
* Vaccine Availability: Admin can check the availability of vaccines.
* Hospital Approval: Admin can approve or reject hospital login requests.
* Hospital Listings: Admin can view details of hospitals**.**
* Booking Details: Admin can view vaccination booking details made by Patient.

**Hospital Functions:**

* Hospital Registration and Login: Hospitals can register and log in with their details.
* View Patient Details: Hospitals can see the details of patients approved for Vaccination
* Patient Requests: Hospitals can receive requests from patients for vaccinations and can approve or reject them.
* Update Results: Hospitals can update the Vaccination date for patients
* Update Vaccination Status: Hospitals can update the vaccination status of patients.

**Patient Functions:**

* Patient Registration and Login: Patients can register and log in with their details.
* Search Hospitals: Patients can search for hospitals offering vaccinations.
* Request for Vaccination: Patients can request vaccinations from hospitals.
* Hospital Appointments: Patients can book Different vaccine at hospitals. View Appointments: Patients can check their appointment details.
* View Results: Patients can view their vaccination suggestions.
* Profile Management: Patients can check and edit their profile details.
* These requirements aim to create a web application that connects patients with hospitals vaccination services. The system allows for user registration, appointment scheduling, and management of data by administrators, hospitals, and patients

**Requirement Specification**

**Hardware:**

A minimum computer system that will help you access all the tools in the courses is a Pentium 166 or better128 Megabytes of RAM or better

**Operating System:**

LINUX / Windows 2000 Server (or higher if possible)

**Software:**

PHP

MySQL

PERL

Apache