



North South University
Department of Electrical and Computer Engineering
Project Proposal
Database Management Lab
CSE311L
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“VACCINE REGISTRATION BD”

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Introduction: Every country in the world has taken some steps to deal with this Covid-19 pandemic situation. Bangladesh is not the opposite. Like other countries in the world Bangladesh is also being vaccinated to control Covid-19. As Bangladesh is a populous country, distributing proper vaccine is a new challenge for the Bangladesh government. On top of that Bangladesh government has declared lockdown situation several times across the country. So manually vaccine registration would create a great mess. A proper vaccine registration web application is one of best and smartest solution to overcome this challenge. For vaccine registration user should provide some personal information like Mobile number, NID number, Name, Age, Address. That information will help the government to distribute vaccine all over the country properly.

Objective:

1. User can easily register for a vaccine schedule from home.
2. User has the privilege to choice his or her preferred date and center.
3. Through the website user will get to know the vaccine availability.
4. User will get a unique ID.
5. After the registration user will get a registration card with a unique ID.
6. After vaccination everyone will get a vaccination certificate.
7. User can contact to the support team.

Target People: All the adult people are our main user. They will provide necessary information in the app for registration and get a vaccine schedule. Our majority people are local public so to help them we will also provide a user guideline.

Value Proposition: This website will help the government to maintain a proper system of distribution of vaccine all over the country. From the user data government can easily monitor how many people from which area got vaccinated. Government will also determine the demand of vaccine through this. This web application will save time of the people and through this people will easily do registration without any hassle. If government took decision to do the registration work manually it would be very costly and not so efficient. But registration through the website will also cost efficient. So overall this registration website will be very efficient to face the challenge.

Web Application Feature and description:

We build our web application from the user's view point. That's why we will keep all the features very simple and user friendly. This website will help the user to complete registration very easily. It will also help the government to monitor the vaccination work all over the country. So, we build the website keeping all these things in our mind.

- **Login/Sign up:** If a new user come to our website, he/she would have to sign up first. Then he/she can fill up the farther information to book a seat for vaccination. If the user is already sign upped, then he/she just need to log in with valid id and password. Then he/she can use the other features of the web site.
- **Forms:** For registration the user have to fill up some series of information like NID number, Full Name, Age, Mobile Number, Job, Division, District, Thana, Upozilla/Union. After giving all the information there will be an option for choice of hospital and preferred date to get vaccine.
- **Bilingual Website:** We will make our website in two languages (English and Bangla). When the user will enter in the website, he/she can choose their preferable language system.
- **Registration card:** After the filling the registration form, the website will provide them a vaccine card. In the vaccine card there will be a unique id. The hospital will verify that before giving the vaccine. So people need to go to the hospital with the vaccine card.
- **Vaccination certificate:** After completing vaccination people will get a vaccination certificate from the website.
- **Logo:** we will use a unique logo that's how user will recognize our website easily.
- **Helpline:** In the website there will be an option for help. Using that helpline option user can take help from the experts.

Also, we will provide a user's guideline. It will help everyone to use the website very efficiently.

Tools and Resources:

HTML

CSS

MySQL

PHP

Challenges:

- We have to maintain a huge data base.
- We have to verify the user data. We will need to check if the data entered are reliable or not.
- Provide the website in Bangla.