Smart India Hackathon 2020

Team Details

Team Name: VAXINE TIME

College: Poona College of Pharmacy, Pune

Problem Statement No.: SS41

Problem Statement: *DIGITAL tracking of children of migrant population for immunization services.*

Team Leader: Shivam Kumar

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Team Members:

1. Vikas Kumar
2. Nikhil Teotia
3. Aparna Agrawal
4. Aditi Shahane

Technology Stack and Research

Coding Languages: JavaScript, HTML5, CSS3, Saas

Tools & Technologies: Node JS, Bootstrap, JQuery, REST API, Postman

Project Management Tools: Trello, Git/Github(Version Control Tool)

Project: *DIGITAL tracking of children of migrant population for immunization services.*

Abstract:

This web application is a Digital register or an Electronic logbook to store the vaccination track of a child and their immunization history. There is a difficulty to keep the track of the child of migrant workers as they continuously relocating either because of occupation, shelter or some other reasons, migration among cities, states, rural to urban. So, it is very difficult to track their immunization history, in case of loss or misplacement of the vaccination cards provided by the hospitals. As per the Government of India, there are 7 vaccines called as Indradhanusha which must be

given to every child to protect them from vaccine curable disease in their childhood.

Why this Project

Harnessing the power of digital technologies is essential for achieving the Sustainable Development Goals, including universal health coverage. And immunization of children is an important field where we can provide full immunization coverage to such community who are often left behind.

So, By the means of digital tracking, our main objective is to cover all those people who are not able to get the proper vaccines due to unavailability of vaccination cards and proper knowledge about the vaccines.

This application is being developed for keeping the vaccination records of a child with their details and anyone can get their vaccination history of their child only with their unique ID i.e. AADHAR CARD from any registered hospital.

So, our team would be collaborating on these domains: -
- Child Registration at the time of their birth or during their first vaccination.
- AADHAR accessible.
- Tracking of immunization history
- Front-End Development with Bootstrap
- To let people aware about the govt. latest scheme for Women and Child Welfare

This would be an enriching experience for our all team members to work for our country.

Milestones and the implementations

1. Prototype

2. Coding

3. Testing

4. Integration

5. Improving

PROPOSAL TIMELINE:

1. **Day 1:**

    - Framing the idea for practical implementation, Database Schemas Discussions.

    - Refine the current workflow, if needed.

    - Get ready with all the resources, after studying in detail about them.

    - Code to build a prototype based on Idea.

2. **Day 2:**

    - Development of Client-Side Interface for the same.

    - Test the prototype.

    - Backend development for data storage.

3. **Day 3:**

    - AADHAR API integration

    - Development of REST API to integrate the project.

    - Documentation

It will be a good learning experience during the project for our team members **to** work on a live data and scenario. Since this project needs to be tested repeatedly with different approaches and any bug or errors found needs to be solved under the given time period, we will work hard to keep the project against the clock along with all the Developers and Designers.

THANK YOU

Team VAXINE