

# INDEX

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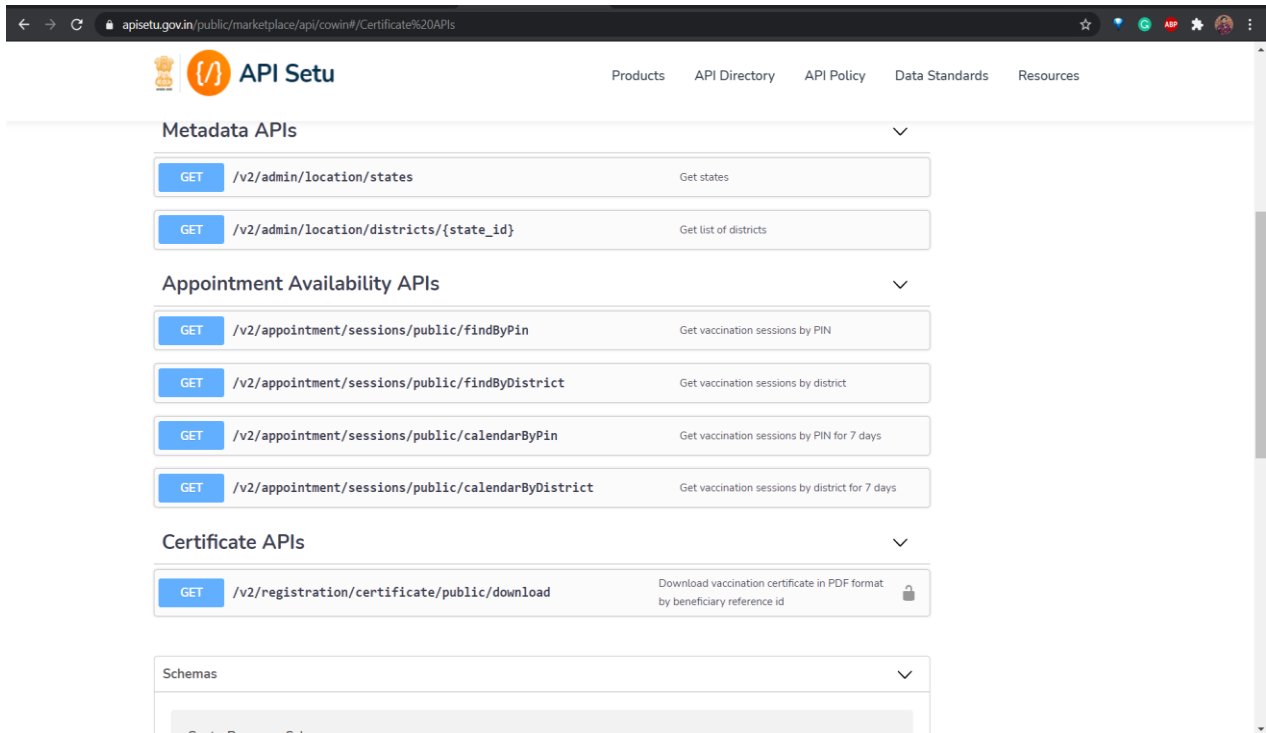
## 1. Problem Statement

The new phase of the world's largest covid-19 **vaccination drive** has been associated limited vaccine doses **availability**, disrupted supply chain. Slots are **booked** in a few minutes of opening. Registering for a slot it is very **time consuming** and **diligent task** for individual especially **digitally illiterate** people. Our mobile application will **notify users** when a slot available **nearby (GPS)** and reminder for a second dose.

## 2. Detailed solution

Our app will provide following functionalities:

- Login-signup
- Select location (GPS or manually)
- **Filter** like Age Group, km radius
- **User notifies** when does available nearby vaccination center
- **Personalized notification**
- Reminder of second dose



**Image 1: Open API**

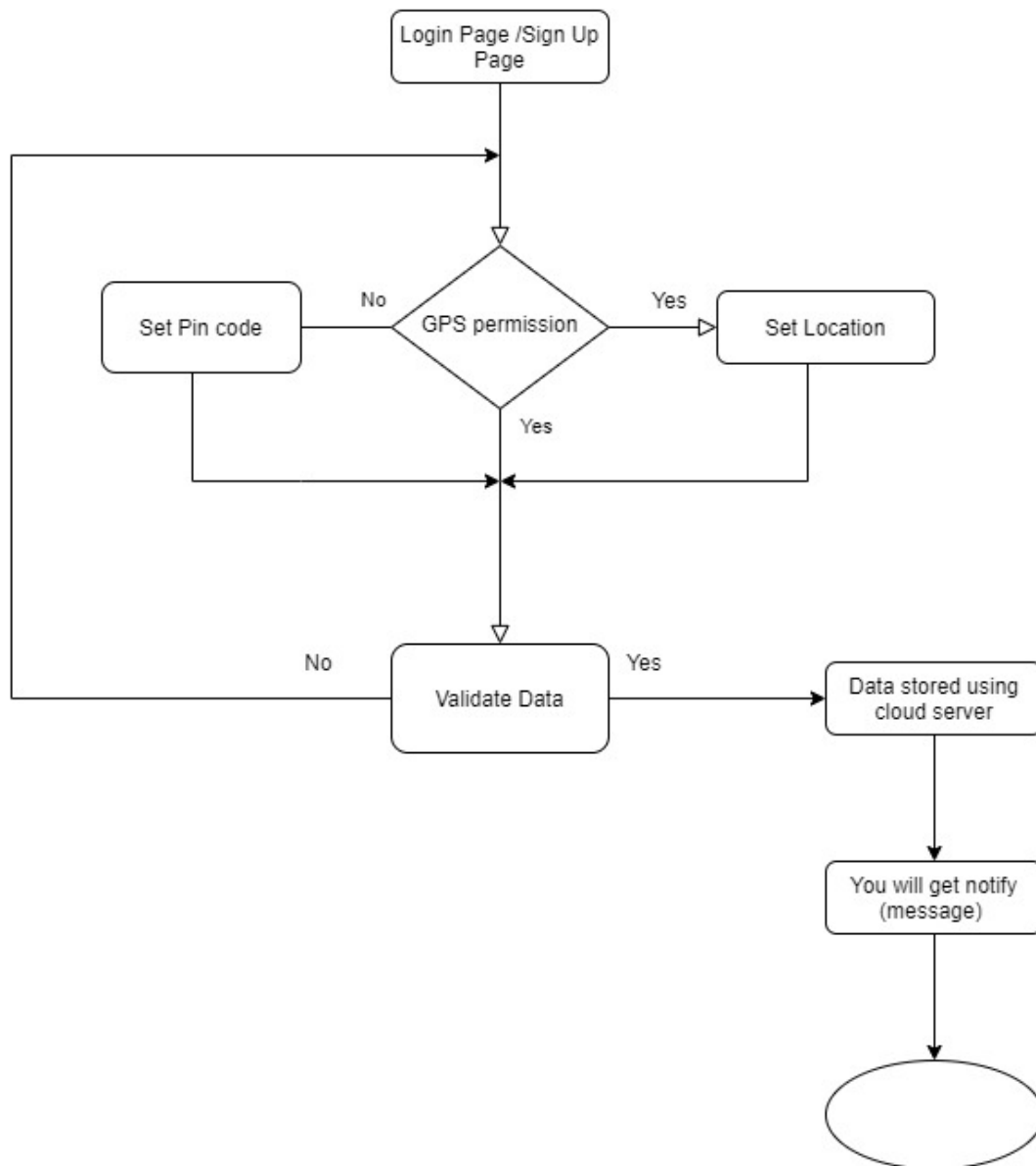
We going to use [Co-WIN Protected APIs](#) , if we get access of Test Server using API by **Ministry of Health and Family Welfare**, Government of India. Otherwise, we will use [Co-WIN Public APIs](#) . using Co-win Protected APIs our app can **eliminate 30 minutes delay** in appointment availability data.

Users would able to save their time and get **real time** personalized notification and reminder regarding doses via better **User Interface (UI)**. this app can play good role to **bridge Digital divide** and provide **equal access** to vaccine registration.

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**Work Flow of application:**



*Work flow figure 2*

Parameters
Try it out

Name	Description
Accept-Language string (header)	The locale code of the preferred language such as en_US. The text data will be returned in the preferred language along with default English text.  Example : hi_IN  <input type="text" value="hi_IN"/>
pincode * required string (query)	<input type="text" value="110001"/>
date * required string (query)	<input type="text" value="31-03-2021"/>
vaccine string (query)	This is an optional parameter to get the sessions for a specific vaccine.  Available values : COVISHIELD, COVAXIN  <input type="text" value="COVISHIELD"/>

Activate

*API to get planned vaccination sessions 3*

### 3. Compare your solution to other existing solution

There are following solution available right now:

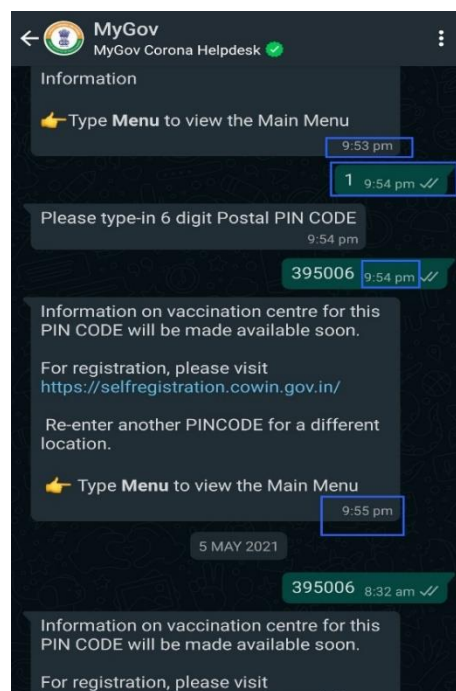
- a. [Co-win website](#)
- b. [MyGov Corona Helpdesk](#) (+91 90131 51515)
- c. [Getjab.in](#)
- d. [FindSlot.in](#)

#### a.co-win website

It is official WebSite by Ministry of Health and Family Welfare. Problem with this website is there no mechanism for notifying users.

#### b. MyGov Corona Helpdesk

It is WhatsApp **chatbot** by Mygov Corona helpdesk.it is unpopular because of **delay** in responses and less **synchronization**.



*chatbot (synchronization problem) :4*

### c.Getjab.in

it is web application; it is very **similar solution** to jab notify. it used to give notification via **email** that can cause **delay** in vaccine registration. it doesn't have SMS services.

### d.findSlot.in

It uses Public APIs provided by CoWin, it is redundant web application because similar kind of service available in homepage of CoWin and it cannot notify users.

## 4. Unique value proposition

Our app jab notify has some unique function:

- Our app will cover a greater number of **target audience** than a typical web application
- Our solution has **edge** over in terms of **number of users**
- We are going to use **GPS** to give **personalized notification**
- Unlike websites, it has Easy to use and **eye-catching** User Interface (UI)

## 5) Economic aspects

### I. Development (production)

Platform	Cost (INR) iOS /Android	Approximate Time (hours)	Initial cost
Economic project	10,000	350	25 USD (one time)
High-level Project	40,000	500-800	

- \*1. development cost can be reduced to **nearly 0/- INR** by our team.  
2. 25 USD uploading cost on google play store.

## II. Maintenance

- We have considered IT-specific maintenance costs for infrastructure: servers, data storage, CDN and image data will all require some level of monitoring and maintenance.

Infrastructure services	Annual Cost (USD)
Servers	6,500
Data storage.	1200
CDN	1250

\*These costs have required only after application get **thousands of users**.

All above mentioned cost can be consider as 0/- at this stage.