Covid Vaccine Notifier

An application that will notify you when the vaccine is available in your district. It will open a tab in your browser to the registration portal directly, as soon as a vaccine is available in your district.

Team: Self

Contributors: PM: self, Engineer: self

Status: Draft / Problem Review / Solution Review / Launch Review / **Launched**

Last Updated: May 17, 2021

Problem Statement

> Whenever vaccine slots open upon the website (https://www.cowin.gov.in), they get filled up instantly. Generally a user doesn't even come to know when a slot actually opened up and when it got filled. There is a missing alert system that would notify the user about the availability of slots.

High Level Approach

> We need to develop a solution that would notify the user about the availability of slots on his/her browser.
>
> **Note**: We are just notifying the user about availability of vaccine and not auto-booking the slot or auto-filling anything.

Goals

1. *Create an application that would send notifications. It shall open up a new tab on the browser with information about the available slot and center.*
2. *Enhance the output details, by providing more processed details.*
3. *Embellish the UI later*

Non-goals

1. *Phase 1 focuses on generating proper notification and cares little about the UI*
2. *Phase 2 might have some enhanced UI*

🔴 Do not continue if all contributors are not aligned on the problem.

🟢 Complete the following table with "signatures" from all reviewers to move on.

REVIEWER	TEAM/ROLE	STATUS
self	PM	🟢
self	Developer	🟢

Solution Alignment

Key Features

Plan of record

1. *Create a POC that would simply notify about the availability of slots.*
2. *Create a MVP that meets the first two points under the "[Goal sections]"*
3. *Create an installer script that would ease installation on the user's system.*

Future considerations

1. *Enhance the UI and add more processed details to the output like pincode of the centre etc.*

Key Logic

1. *Develop the logic to generate slot and centre details.*
2. *Create the notifier script that would run the code logic in the background*
3. *Create an installer script that would ease installation on the user's system.*

REVIEWER	TEAM/ROLE	STATUS
self	PM	🟢
self	Developer	🟢

Launch Plan

Key Milestones

TARGET DATE	MILESTONE	DESCRIPTION	EXIT CRITERIA
2021-05-08	✅ Pilot	POC ready	Code logic that would fetch required data
2021-05-09	✅ M1	MVP ready	The application works, as expected
2021-05-10	✅ Beta	Thoroughly tested	Works on at least 2 more fresh systems
2021-05-11	✅ Launch	Accessible to all	Anyone with the setup is able to fetch details

Operational Checklist

TEAM	PROMPT	Y/N	ACTION (if yes)
Analytics	Do you need additional tracking?	Y	Keep logging the script execution time
Sales	Do you need sales enablement materials?	N	Work with [person]
Marketing	Does this impact shared KPI?	N	Work with [person] on goal adjustment
Customer Success	Do you need to update support content or training?	N	Work with [person] on updates

Product Marketing	Do you need a GTM plan? (e.g. pricing, packaging, positioning,	N	Work with [person] with at least [x] weeks notice to kickoff workstreams
Partners	Will this impact any external partners?	N	Work with [person] on communication plan
Globalization	Are you launching in multiple countries?	N	Work with [person]
Risk	Does this expose a risk vector?	N	Work with [person]
Legal	Are there potential legal ramifications?	N	Work with [person]

Success Metric

DESCRIPTION	DATE OF ACHIEVEMENT	METRIC SUCCESS
The application works and is launched	2021-05-11	✅
First customer is able to book a slot using the application	2021-05-12	✅
More than 15 customers are able to book a slot		🟡

Update: We have **12 customers** who were able to book slots using the application.

Appendix

FAQs

Q. What does it do in simple terms?
A. It will notify you when a vaccine slot is available in your district. Since most of us are using the laptop for the entire day, it will open a tab in your browser to the registration portal directly, as soon as a vaccine is available for the user's age in his/her district.

Q. How to access/run it on a fresh system?

A. Below are the steps:

1. Install python3 and pip3 (preferred: python3) [follow: https://realpython.com/installing-python/]
2. Take a pull of the main branch of this github repository by running:
3. git clone https://github.com/7wick/covid-vaccine-notifier-browser.git covid-vaccine-notifier-browser
4. Get into your directory:
5. cd covid-vaccine-notifier-browser
6. Install the dependencies:
7. sh installer.sh
8. Update the input.json file, as per your requirements. [Important, else you will get wrong information]:
9. vi input.json
10. Press i on keyboard
11. Start editing
12. Press ESC on keyboard
13. Press wq
14. Note: You can check your inputs by running: cat input.json
15. Run the bash script in the background:
16. nohup $(find ~ -name "notifier_script.sh" 2> /dev/null) &
17. Kill the process and stop the script: [Very important, else you will keep getting notifications]
18. kill -9 $(ps -ef | grep notifier_script.sh | awk '{print $2}')

Note: You need to re-edit your input.json file after these steps, else you will get wrong information. Follow from step 5 and 6 above

Q. How to pull updated code?

A. Follow the command below:

1. kill -9 $(ps -ef | grep notifier_script.sh | awk '{print $2}')
2. cd $(find ~ -name "covid-vaccine-notifier-browser" 2> /dev/null)
3. git stash save
4. git checkout main
5. git pull