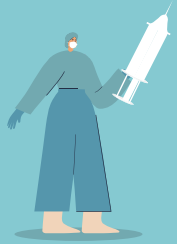


VACCINE DRIVE REGISTRATION SYSTEM

Team 1

19Z306 – Aravind M
19Z307 – Barath Kumar G
19Z309 – Bhooshaan A
19Z321 – Hrithik B
19Z358 – Tarun Visva R
20Z465 – Srinivasan G



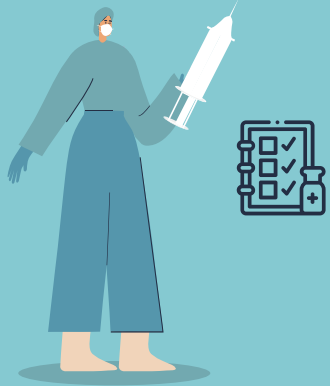
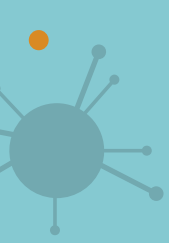
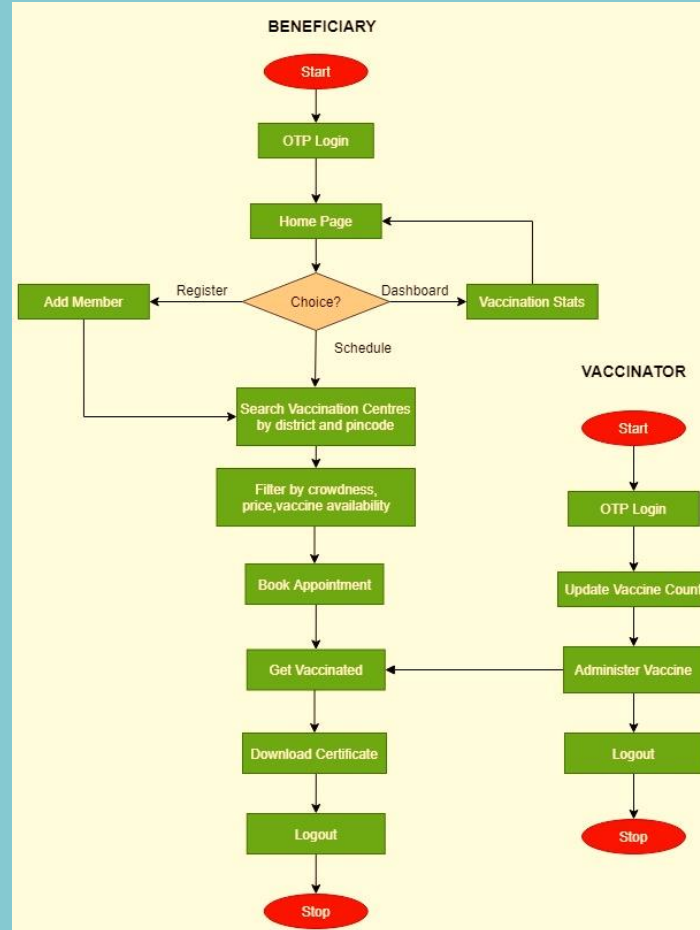


INTRODUCTION AND OVERVIEW

- **Vaccine Drive Registration System** is a software that eases out the process of administering vaccines.
- This Project aimed at mimicking the “**CoWIN Portal**”, the official portal for Vaccine registration in India.
- VDRS includes various **scheduling and registration features** along with some advanced features such as crowd prediction and statistical analysis.
- It provides a reliable and essential service to all **beneficiaries and vaccinators** with all the required functionalities.



FLOW OF THE APPLICATION



TECH STACK & TOOLS USED

FRONT - END

JAVA SWING



BACK - END

JAVA



PYTHON



MYSQL



For major part
of Java and
Java Swing

NETBEANS



+

For the Analysis
(ML) Model

GOOGLE
COLAB



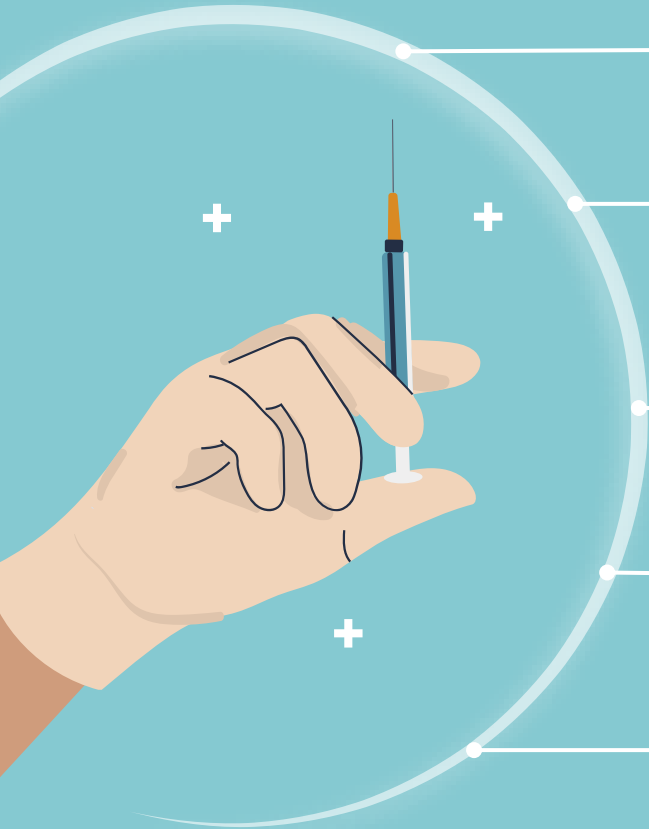
+

For the
maintenance of
database

MYSQL
WORKBENCH



FEATURES IMPLEMENTED



1

SCHEDULING APPOINTMENT

OTP Login, Register, View centres,
Make Preference, Get Appointment Details

2

CROWD PREDICTION

Dataset Generation, Model Creation
Interfacing with Java

3

VACCINE CERTIFICATE DOWNLOAD

PDF Generation
Fill in with Vaccination Details

4

UPDATE COUNT AND VACCINE ADMINISTRATION

Vaccinator OTP Login
Modify Available Vaccine Count
Update Vaccinated Status

5

STATISTICS DISPLAY

Retrieving information from the database,
Display vaccination statistical plots.

CONTRIBUTION AND CHALLENGES FACED

ARAVIND
19Z306

STATISTICS DISPLAY
PART OF CERTIFICATE GENERATION

Dataset for stats not large enough

BARATH KUMAR
19Z307

VACCINE ADMINISTRATE
(UPDATE COUNT AND VACCINE
ADMINISTRATION)

BHOOSHAAN
19Z309

OTP LOGIN
PART OF SCHEDULE APPOINTMENT &
COLLABORATED ON ML MODEL FOR
CROWD PREDICTION

Lack of proper datasets for ML

TARUN VISVA
19Z358

PART OF SCHEDULE APPOINTMENT &
COLLABORATED ON ML MODEL FOR
CROWD PREDICTION

Lack of proper datasets for ML

HRITHIK
19Z321

FRONT END INTEGRATION,
REGISTERED BENEFICIARY,
PART OF CERTIFICATE GENERATION

SRINIVASAN
20Z465

REGISTER BENEFICIARY



REFERENCES

- [CoWIN Portal](#)
- [OTP Generation](#)
- [JChart for Statistics](#)
- [PDF Generation](#)
- [Python Java Connectivity](#)
- [Holidays Library](#)
- [Simple Linear Regression](#)





THANK YOU!