SIH 2019

I/O HACKERS

Problem Statement

- Aggregation app to check & monitor the outbreak of any water-borne disease.
- It should have capability to mark on app - the location of detected cases.
- The data should be available on the cloud & the same can be used by various agencies to take corrective measures.

Inputs:

Who provides?

RELIABLE:
Labs
Hospitals(doctor)
HMIS Data

UNRELIABLE:
Normal Users
Internet(FB, Twitter,news etc)

Outputs:

Reachability

INTERNET BASED
Mobile Application
Website

WITHOUT INTERNET
Calling
SMS

Progress Made

- Hindi/English Calling + Tamil/Telugu/Punjabi/Kannada Support
- Android UI - Backend Integration
- Reporting from Android Application (AADHAR & Work Authorization upload)
- Website UI - Backend Integration
- Dynamic Addition of Hospitals/Dispensaries
- Prediction for many more diseases and corresponding plots on Web Interface
- Actual Data on Analysis Plots
- Hospital CSV Upload Example
- Notifications

Android Application

- Heatmap
- Predict map
- Labs/Dispensaries
- Live News updation
- Geo-fencing
- Reports for analysis
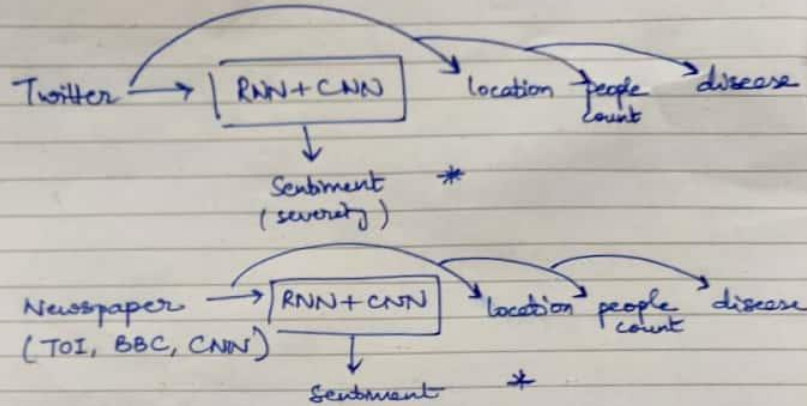- Predict disease via symptoms

Website

- All android features
- Weather data analysis
- Various analytics via graphs and pie-charts
- User can mark on the map about outburst of a disease
- Add and locate nearby test labs and dispensaries

Calling & SMS

- Prediction via Symptoms on call
- Report on disease
- Nagar nigam call
- Replace Internet API call (Tollfree number)
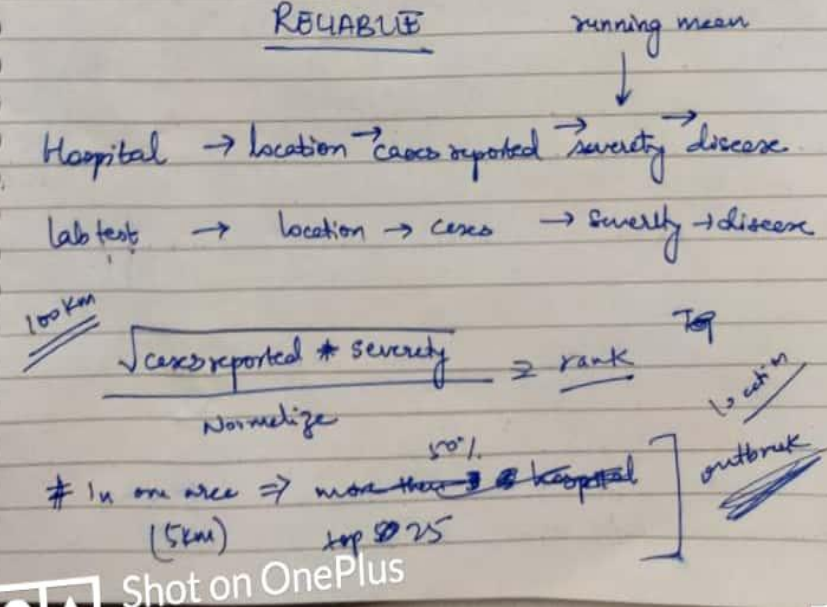- Multi-language available (including english and hindi)

ML Model

Why Us?

- EASY TO USE
- DISEASE PREDICTION
- SELF SUSTENANCE MONETIZATION MODEL
- DIGITAL TRACKING OF PAST REPORTS
- INTELLIGENT NEARBY LOCATION TRACKING
- HIGH REACHABILITY EVEN TO DISCONNECTED* USERS