Brief Description of Problem Statement

1.Social life, welfare, and awareness

- The entire world has gone remote right now and virtual availability is the need of the hour. What can bring people together virtually, keeping social distancing in mind? Can we come up with ideas that can help working from home be fun and interesting, while maintaining productivity.

- The current CoVid-19 (Coronavirus) outbreak has seen a heavy and quick deployment of case tracking platforms- including data visualizations from outbreaks in different countries and provinces. The testing mechanisms have been built through a network of testing laboratories that is able to track samples across the board. However, when it comes to tracking community cases and management of home based quarantines, there is limited capacities in administrations down the line to monitor, enforce and use the same.

2.Healthcare and Medication

- A custom AI Chabot or voice assistant bots for patient assistance, determine a line of therapy, and add some useful features to it.

- An application for the widespread testing of Coronavirus in India. Enable medication adherence and monitoring for people under quarantine with a customized medication pack that is integrative to a home device, and generates reports, tracks medication adherence and patient recovery.

Brief Description Proposed Solution

We are working on both hardware and software part for better result. In software part we are working on app and hardware part on IOT device.

Our App consist of 3 interlinked components:
- A quarantine management app (QMA) for citizens at risk identified by the administration.
- An effort management portal for administration (state, district, sub district and medical officer levels).
- A general citizen app for risk assessment, reporting of cases and crowdsourcing of data.

Quarantine Management App (QMA)

- This part will be handle by the User.

- Under QMA, the person is supposed to mark their home location and photo and send their GPS signals every X minutes.
- In case of lack of GPS signal/delay in selfie upload as per time slot/moving out of quarantine zone, advisories etc.
- An AI Chabot will be there for communicating with doctor.
- In case of close contact with another person even during quarantine, the person should be able to raise a request to admin to get the said person also checked upon.
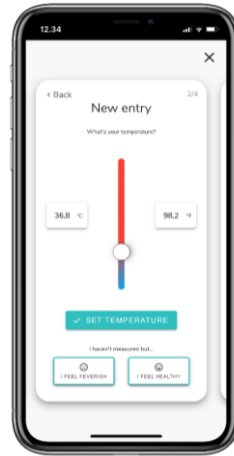
Effort Management App (EMA)

- This sub-allotment will be done based on GIS mapping of their administrative units that will be available as a GIS layer.

- The district and state dashboards should be able to see diagnostics on following and raise alerts for MOs for appropriate cases:
  - Quarantine citizens who have not activated app.
  - Quarantine citizens who have turned off GPS.
  - Quarantine citizens who have not sent day's photos.
  - Quarantine citizens who have raised alarm.
  - Quarantine citizens who have gone outside a predetermined radius(2 kms).
  - Quarantine citizens movement map in last 14 days.
  - Quarantine citizens visited by administration (number of visits)
  - Quarantine citizens medically tested and quarantined.
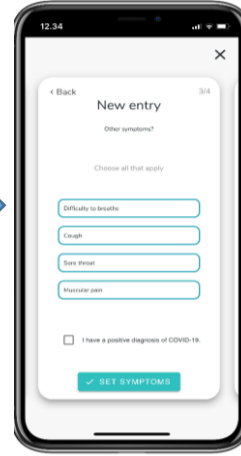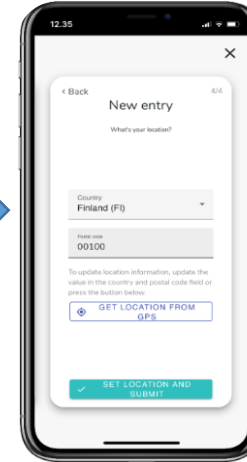
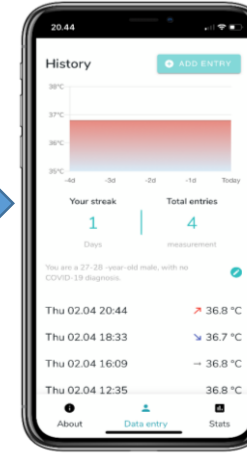# USER-MAP FOR S/W

USERS

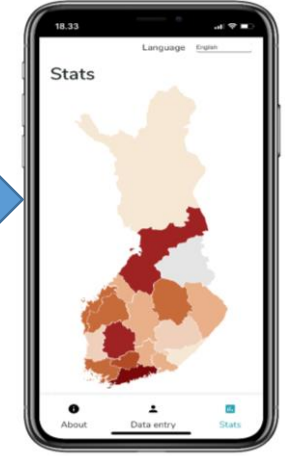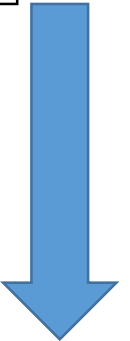Register with Mob. No.

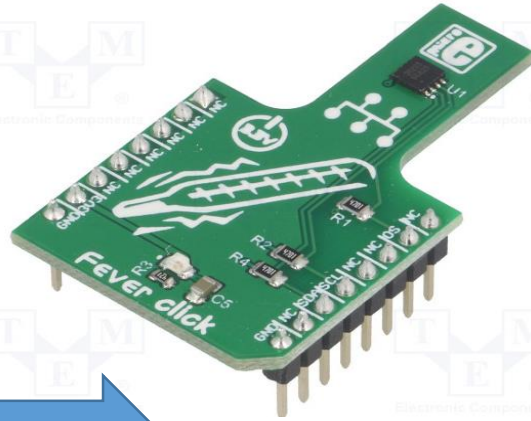MEASURE

ENRICH

LOCATE

FOLLOW

MONITOR

CONTROL OFFICE

**After registration
User will register itself to
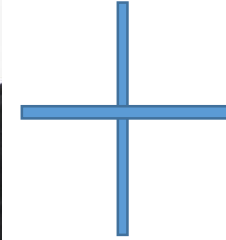the nearest control room**

USER-MAP FOR H/W

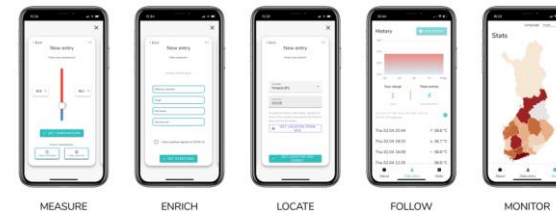USERS

Temperature sensor

Pulse sensor

Both will send the data of the body to the app

CONTROL OFFICE

If the temperature of the body crossed then data will send to the nearest control room

MEASURE   ENRICH   LOCATE   FOLLOW   MONITOR
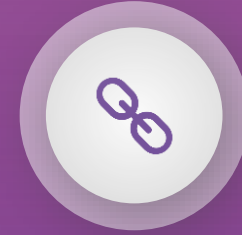
PRODUCT/SERVICE DETAILS

SEARCH
Our team has done lots of research on it

ANALYTICS
APP having different features that will help the people and government.

COMMUNICATION
EASY to handle and to communicate with the user and controller.

CLOUD
Database is secure and it will automatically link with the Government databases.

CREATIVE
We have done lots of creativity like in hardware and in software both.

SUPPORT
Government and people support are required.

Target Market

Total Available People:
1300 M

Targeted People:
600 M

Key points

- If Government will allow it for all the people by giving some offer then People will install it.

- Due to hardware people will also attract to buy it or take it from the government.

COMPETITIVE ANALYSIS

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STRENGTHS

- Platform independent
- Feasible
- Precise Data

W

WEAKNESSES

- Misclassification and images.

- Failure of IOT modules

O

OPPORTUNITIES

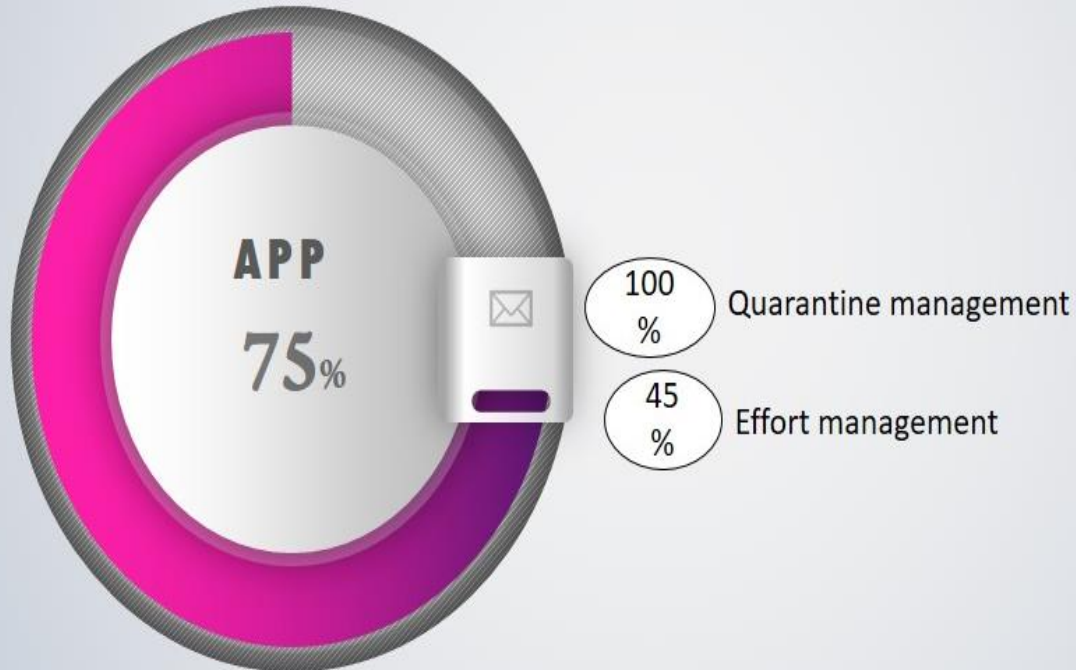- Live location alert to nearby Police Station
- Easy to locate the person

T

THREATS

- Warning breach

Current Development Status

SOFTWARE

APP
75%

| 100 % | Quarantine management |
| 45 % | Effort management |

HARDWARE

HARDWARE
45%

| 45% | Sensor part (temperature,pulse,etc) |