

Corontine: A Platform for Tracking, Alerting and Tracing of Contacts

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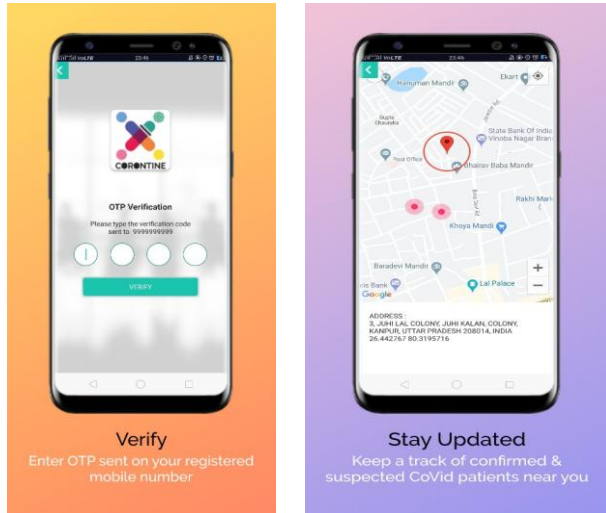
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Managing Director, StrategicERP

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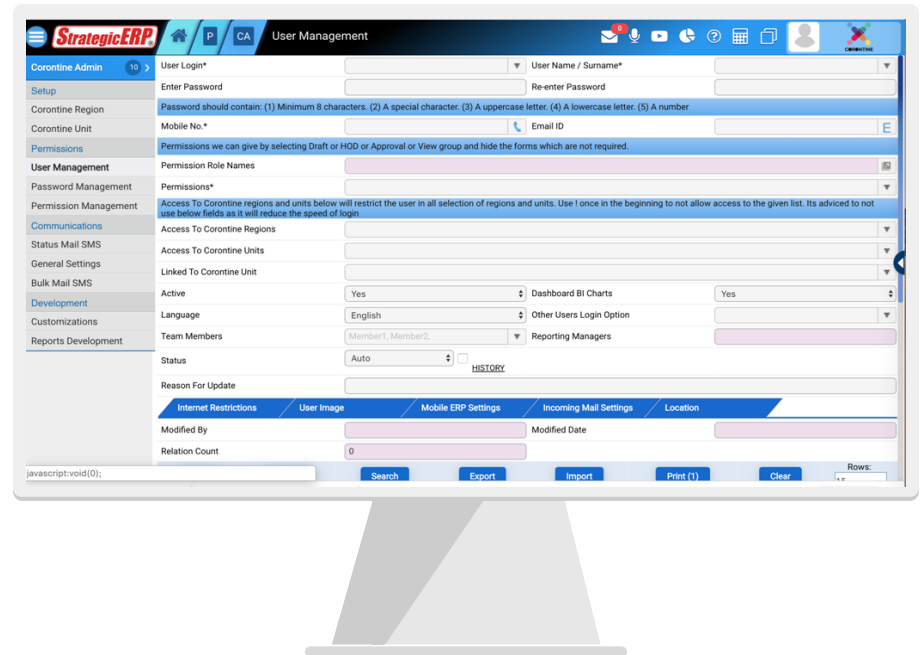
Architecture of Corontine:

Client App: Android/iOS app

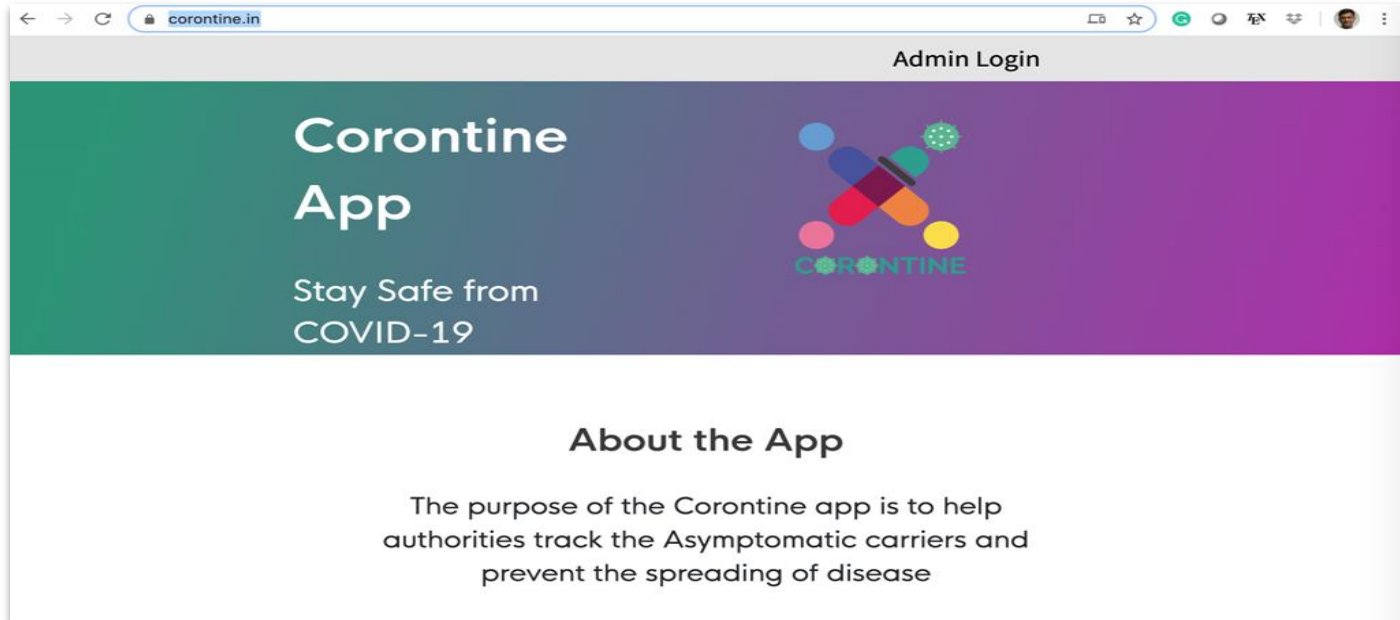


Available on Google Playstore

Back-end: Web based Java application on Linux platform

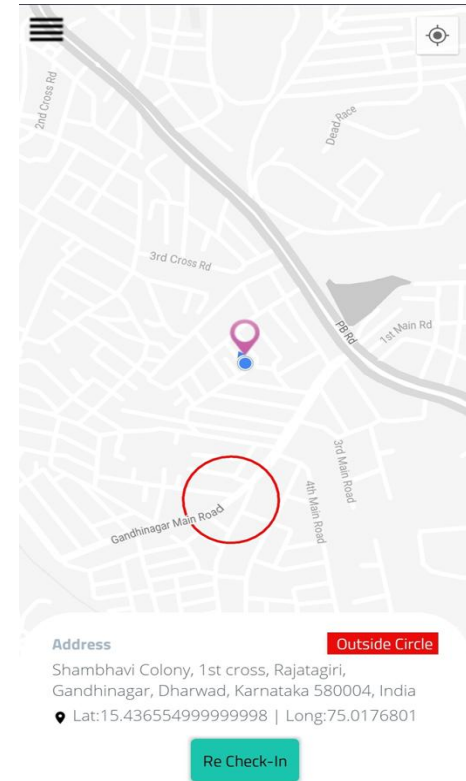


Corontine.in



GPS based Tracking potentially infected people

- Asymptomatics (suspected carriers) are to be registered on the platform with name, email, and mobile number under the authority of a State Authorised body
- Asymptomatic users download the app and authenticate with an OTP
- Corontine App sends GPS coordinates to the server where user are *centrally* tracked
- Users can be geo-fenced - marked for confinement in a region
 - Automatic Alert generation on breaching movement restrictions



Usage of CORONTINE platform

- Used extensively in the state of Meghalaya
- Some aspects of Corontine used in Orissa Govt in collaboration with Deloitte



Govt changes its guidelines on when a coronavirus patient can end home isolation

Government's previous guidelines said COVID-19 patient can end home isolation if symptoms are clinically resolved and medical officer certifies him to be infection-free after testing. However, new guidelines say patients can end home isolation after 17 days of onset of symptoms and no fever for 10 days. "There's no need for testing after...home isolation period is over," revised guidelines said.

swipe left for more at Twitter / few hours ago

The app can be used to confirm home isolation!

Variants of Corontine Platforms

The corontine platform is very agile. Led to development of

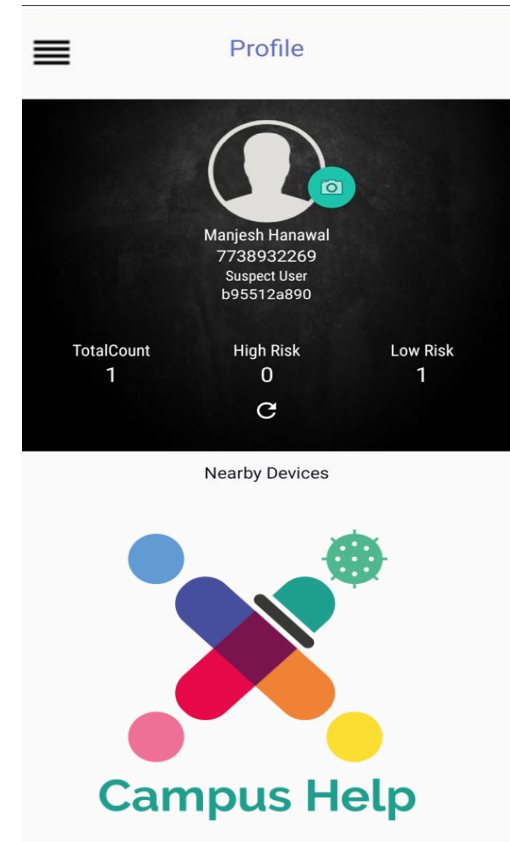
1. Happy to Help
2. CampusHelp for contact tracing
3. i_WRIST (Healthcare) app

Happy to Help

- A back-end call center platform
- Completely driven by volunteers
- Helping patients install Maharashtra government's Maha Kavach app
- Used by Brihanmumbai Municipal Corporation (BMC)

CampusHelp: Contact Tracing for IITB

- The solution is based on Bluetooth Low Energy
- If a user comes in contact with a positive case, s/he will be alerted through vibration
- If users turns positive all the users who came in contact in the last 14 days will be alerted
- Only IIT Bombay will have access to user data
- Can be used in other campuses



i_WRIST

Traceable Intact Body Monitoring Wrist Band for Short-Term Large Population Observation

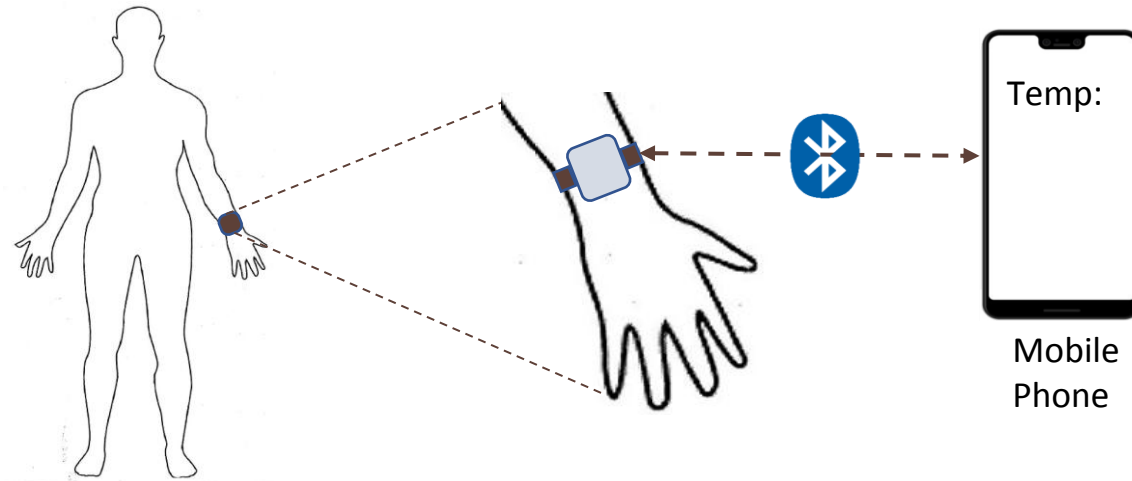
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Brief Information

Status

- The first prototype is completed and successfully tested both in the lab and at home.
- IDF is being prepared for filing the patent.
- Seeking first level funding for making more prototypes and running tests.



For detailed technical information please contact Maryam Shojaei: mshojaei@ee.iitb.ac.in



Thanks You

