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

Manjesh K. Hanawal, IEOR, IIT Bombay

Ganesh Ramakrishnan, CSE, IIT Bombay

Industry partner: Ashvin Gami, MD, Managing Director, StrategicERP

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Architecture of Corontine:

Client App: Android/iOS app



Back-end: Web based Java application on Linux platform

Corontine Admin 10 >	User Login*		User Name / Surname*		
Setup	Enter Password		Re-enter Password		
Corontine Region	Password should contain: (1) Minimum 8 chara	icters. (2) A special character. (3) A uppercase	e letter. (4) A lowercase letter. (5) A number		
Corontine Unit	Mobile No.*	(Email ID		
Permissions	Permissions we can give by selecting Draft or H	IOD or Approval or View group and hide the fo	rms which are not required.		
User Management	Permission Role Names				
Password Management	Permissions*				
Permission Management	Access To Corontine regions and units below w use below fields as it will reduce the speed of lo	rill restrict the user in all selection of regions a	nd units. Use I once in the beginning to not allow	access to the given list. Its adviced to no	ot
Communications	Access To Corontine Regions				
Status Mail SMS	Access To Corontine Units				
General Settings	Linked To Corontine Unit				
Bulk Mail SMS	Active	Yes	Dashboard BI Charts	Yes	
Development				tes	
Customizations	Language	English	Other Users Login Option		
Reports Development	Team Members	Member1, Member2,	Reporting Managers		
	Status	Auto			
	Reason For Update				
	Internet Restrictions User Image	Mobile ERP Settings	Incoming Mail Settings Location		
	Modified By		Modified Date		
	Relation Count	0			

Available on Google Playstore

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

The app can be used to confirm home isolation!



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.

wipe left for more at Twitter / few hours ago

Variants of Corontine Platforms

The corotine 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 will be altered 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

Maryam Shojaei (EE), Manjesh K. Hanawal (IEOR), G. Ramakrishnan (CSE)

Contact: mshojaei@ee.iitb.ac.in

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