

CONTACT TRACING AND SOCIAL DISTANCING ALERTING

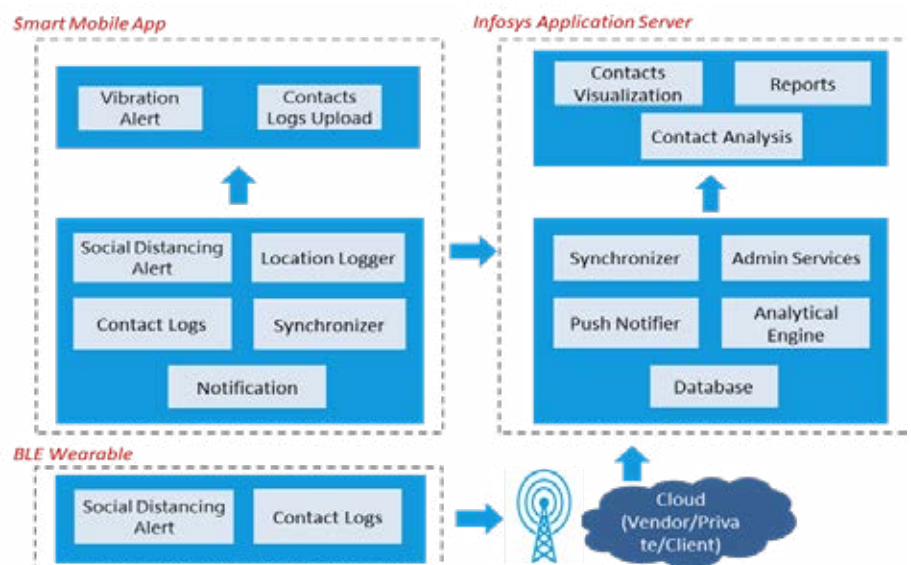
As enterprises are gradually preparing to reopen offices, factories, and stores, it is imperative to implement protective measures to provide a safe working environment. Organizations need to equip their workforce with the right tools to maintain social distancing norms and deploy adequate mechanisms such as contact tracing at work premises to mitigate risks to employee health and well-being. It is also crucial for enterprises to have a privacy-first approach while creating an interaction-specific location diary of employees, which will be useful to bolster privacy in case of any COVID-19 infection at the enterprise premises.

Infosys Contact tracing and social distancing services provide a holistic approach by offering mobile application based and BLE Wearable based solutions.



The offerings' core services include:

- **Assessment:** Identifies the current scenario of enterprises and key needs for social distancing and/or contact tracing, understands the employees' profile and nature of work, and suggests the right set of suitable solutions with relevant technologies
- **Compliance:** Ensures all the solutions are complying to local guidelines and regulations
- **Implementation:** Provides Wearables and Mobile based solutions, performs quality testing, and enables server-side applications such as contact analytics dashboards, visualization, etc.
- **Change management:** Provides employee training and support for efficient use of the solution



Design overview

Key Features

Mobile App	BLE Wearable	Contact Tracing and Reporting	Privacy and Security by Design
			
<ul style="list-style-type: none">• GPS based location diary• BLE based contact logs• Contextual information – policies, doctors, etc.• Social distancing alert	<ul style="list-style-type: none">• Social distancing alert• Contact logs	<ul style="list-style-type: none">• Social distancing violation reports• Advance algorithms to derive multi-level contact tracing and location trace reports	<ul style="list-style-type: none">• A Privacy-First approach – No PII information will be stored in the mobile app or BLE Wearables• Consent driven approach to get contact tracing logs from mobile phone• Secured storage and secured communication

Success Story

CRUSH COVID RI – Infosys partners with Rhode Island in Fight against COVID-19.

CRUSH COVID RI is a location diary and symptom checking app related to the COVID-19 public health crisis. The location tracking helps the client identify the people and places they were in contact with over a 20-days period, if they test positive for the virus. The application enables users to access COVID-19 related news, information, and guidance along with links to local state resources.



Infosys solution

- iOS and Android mobile app with latest design principles
- Multi lingual app, currently supporting English and Spanish. (To be extended for other languages)
- Opt-in to allow users to share his GPS location anonymously
- Symptoms Checker survey to allow users to submit the prevalence of COVID-19 symptoms
- Location diary to help users to remember all the locations that they visited in the last 20 days
- Use of geofencing and geolocation to keep a record and display of locations visited



Technology

- Native Android app using Kotlin
- Native iOS app using Swift5
- MapBox SDK, Firebase notifications

For more information, contact askus@infosys.com

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