

iBeacon based visitor management

Project Case Study

Type	Client	Location
Mobile App	EY	Trivandrum

iBeacon

iBeacon is a BLE (*bluetooth low energy*) based device which allows Mobile Apps to listen for signals from beacons in the physical world and react accordingly. iBeacon technology allows mobile Apps to understand their position on a micro-local scale, and deliver hyper-contextual content to users based on location

Client Need



EY Innovation Centre at trivandrum has a lot of guest visits from other EY offices globally on a regular basis. The check in process at the reception is a tedious process as it is not digitized yet.

Check in - Making contactless checkins which would make the existing ones paperless, enable efficient record keeping.

Message delivery (context relevant) - Push messages to the visitor's mobile app based on his agenda for the day.



Our Offering

- Android & iOS mobile application for the visiting guests having all the details including the agenda, meeting time, broadcast announcements.
- BLE based hardware iBeacon to be placed in the reception area which in turn would initiate the checkin/checkout process by triggering messages to the guest's mobile app once he is in the iBeacon proximity. This makes the whole process paperless.

Technology Used

Tools	Web	Hardware
Android Studio IntelliJ IDE PhP Apache web server MySQL PhpMyAdmin	Backend-Beacon configuration	BLE based iBeacon from Kontakt.io

Challenges Faced

→ UI/Deviation & Delay Issues

iBeacon has deviation issues which results in not detecting the user in its proximity

Solution

Conducting several pings to the mobile randomly and considering the average result obtained.

Impact on Client Business

Implemented a system to eliminate the age old paper based check in system at the reception.

The guests are well aware about the agenda, meeting details for the meeting day

Screens



Journal Info Rates Issues Deadlines Artwork Specs Additional Info Ad Schedule

British Journal of Dermatology availability for **2016** ⚠ Booking Restrictions 🔍 Booking View

PAGES ISSUE	IFC / C2	IBC / C3	OBC / C4	FC1 / TOC1	FC2 / TOC2	FC3 / TOC3	FacingE
January 2016 174:1	Dermal / Jonat...	No Information	Available	Anna Marsden	Available	Available	Available
February 2016 174:2	Jonathan Giffo...	Available	Available	Aveeno / Anna ...	Available	Available	Dermal
March 2016 174:3	Dermal / Anna ...	Available	Available	Anna Marsden	Available	Takeda / Sarah...	Available

British Journal of Dermatology availability for **2016** ⚠ Booking Restrictions 🗓 Year View

Issue	IFC / C2	IBC / C3	FC1 / TOC1	FC2 / TOC2	FacingEditorial / First Article	1RHP / Far Forward
January 2016 174:1	Available: 0, Reserved: 1	Available: 0, Reserved: 0	Available: 0, Reserved: 0	Available: 1, Reserved: 0		
February 2016 174:2	Available: 0, Reserved: 0	Available: 1, Reserved: 0	Available: 0, Reserved: 0	Available: 0, Reserved: 0		
March 2016 174:3	Available: 0, Reserved: 0	Available: 1, Reserved: 0	Available: 0, Reserved: 1	Available: 0, Reserved: 0		
April 2016 174:4	Available: 0, Reserved: 0	Available: 1, Reserved: 0	Available: 0, Reserved: 1	Available: 0, Reserved: 0		
May 2016 174:5	Available: 0, Reserved: 0	Available: 1, Reserved: 0	Available: 0, Reserved: 1	Available: 0, Reserved: 0		
June 2016						

