

Indoor navigation system – Techniques and application

Background

I will give you the overview of existing techniques for indoor navigation/tracking (sensors, RFID, Wi-Fi, NFC, iBeacon). The group of users we want to focus on is disability people (visual impaired people, people with dementia). The aim of the project is choosing a particular solution / technique and implement to help those people in way-finding in indoor environment.

Task

- Learning tracking techniques.
- Understanding situation (physical state, difficulty) of users.
- Developing an application to track and help them to navigate in indoor environment.

Requirements

- Interested in technology.
- Be able to program mobile application (android, iOS).

Contact

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