Parallel Session 2A – Smart Solutions for Stations

Convenient and intelligent
Navigating at busy stations

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Statistics:

Development of Public RAILWAY Transportation From 2000 To 2017

Data.worldbank.org
Station Challenges:

- Increasing Railway users
- Crowded stations
- Problems arise
- Efficient extension of the station
Survey:

Understanding the most important factors in passengers satisfaction in stations

The following results were obtained from a survey conducted by Tehran Railway Station

It was found that the most important and time consuming parts of the trip for passengers are:

- Time to reach destinations in station
- Finding the exact location of the facilities
- Finding the exact departure point
To solve these problems:

Using smart solutions, Navigating passengers by AR

Station Guidance Application
What is Station Guidance Application?

• Indoor Navigation
• IPS and GPS
• AR Technology
How it works?

Location  Ticket Info  Station Map
How it works?

1. Insert tracking code to the App.
2. The inserted tracking code will be sent to the server.
3. All information about the ticket, as well as seat number, train number, wagon number and station map are in server.
4. The related information will be sent to the phone so application will be able to detect exact location of train and departure platform.
5. Station map is saved in application. Phone location gained from GPS or IPS. By using locations and station map, SGAPP would find the best way to your destination
6. SGAPP shows you the navigation in AR/Voice.
How to use?

Inserting tracking code
How to use?

Directions as a virtual line to destination
How it works?

Turn-by-turn Voice Navigation to destination
Other features

- Real time information
- Door to door transportation
- All station facilities
- Link to other applications
Contact:

This project was done by RADRAIL

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Thank you for your kind attention