

University of Bamberg



Internship Report

Mobile Software Development

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Bamberg, June 3, 2018



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1 Introduction

This report documents our project work about researching student mobility with beacon technology and provides a detailed description about our approach.

How is Student Mobility defined in our context?

Over a considerable span of time, often it has been observed that students of the Otto-Friedrich University of Bamberg need to mobilize from one university campus to another. The campuses are scattered around the city and students only have a short span of time in between their classes to move from one to another. In this study patterns shall be figured out which could help:

- Taking initiatives for the convenience of students.
- Making situation oriented predictions e.g. predict vehicle type on weather conditions.

Figure 1: Motivation for student mobility

There can be many approaches to study mobility such as

- Observation and Survey
- Stationary/Mobile Sensors/Mobile Applications
- Simulations/Statistics

In the upcoming sections we document our approach of exploring and utilizing the potentials of the beacon technology and Physical Web for studying student mobility in Bamberg.

1.1 Motivation

This page is dedicated for motivation.

1.2 Terms and Concepts

This page is dedicated for terms and con concepts.

1.3 Goal Definition

This page is dedicated for goal definition.

2 References

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