



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Software Requirements Specification
for the NavUP System
Version: 1.0

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TEAM OLIVE

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1 Introduction

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1.1 Purpose

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1.2 Scope

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1.3 Definition, Acronyms, and Abbreviations

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1.5 Overview

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2 Overall Description

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2.1 Product Perspective

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2.1.1 System Interfaces

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2.1.3 Hardware Interfaces

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2.1.4 Software Interfaces

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2.1.5 Communications Interfaces

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2.1.6 Memory

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2.1.7 Operations

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2.1.8 Site Application Requirements

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2.2 Product Functions

The NavUP system will help visitors to our campus as well as employees and students to get from one venue to another venue with ease. In summary these are the following things that the NavUP system will consists of:

- locate the current location of the user.
- finding the route of destination place.
- search for a place.
- view the map.
- logging and registering of the user.
- manage users.
- keep track of the users

2.3 User Charateristics

- User must be able to use smartphones applications and comfortable with them
- User must atleast be able to read and write and must have completed atleast grade 10
- User must have experience with smart devices and be able to navigate through most applications of smart devices
- User must be familiar with the latest technologies like google maps, wifi

2.4 Constraints

- The platform must exist in two medium namely android and iOS application
- The system will use the universitys wifi access points
- GPS will be used to get the route details and directions
- The system will operate within the main campus of the university
- Database will be used to store different type of information like activities, events and user details

2.5 Assumptions and Dependencies

- It is assumed that the user is within the hatfield campus
- It is assumed that the user owns a smart device
- It is assumed that wifi connection is available

3 Specific Requirements

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3.1 External Interface Requirements

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3.2 Functional Requirements

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3.3 Preformance Requirements

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3.4 Design Constraints

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3.5 Software System attributes

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3.6 Other Requirements

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