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| **المملكة العربية السعودية**  **وزارة التعليم العالي**  **جامعة الإمام محمد بن سعود الإسلامية**  **كلية علوم الحاسب والمعلومات** | **Second term 1441/2020** | **KINGDOM OF SAUDI ARABIA**  **Ministry of Higher Education**  **Al-Imam Mohammad University**  **College of Computer & Information Sciences** |
| **Software Engineering (CS- 310)**  **BSCS- Section: B**  **Project-Phase No: 1**  **Collage Tracking System**  **(Software Requirements Specification)**  **Submitted By** | | |
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**Table of Contents**

**1. Introduction 3**

1.1 Purpose 3

1.2 Scope 3

1.3 Definitions, Acronyms, and Abbreviations 4

1.4 Overview 4

**2. General Description 5**

2.1 Product Perspective 5

2.2 Product Functions 5

2.3 User Characteristics 6

2.4 General Constraints 6

**3. Specific Requirements 6**

3.1 External Interface Requirements 7

*3.1.1 User Interfaces 7*

*3.1.2 Hardware Interfaces 11*

*3.1.3 Software Interfaces 11*

3.2 Functional Requirements 12

3.3 Non-Functional Requirements 20

**4. Team Members Contributions 21**

**5. Conclusion 22**

* **Introduction**

This section is divided into subsections in which the first one describes the purpose of the project. The second and third subsections provide the scope of the project and the acronyms used, respectively. Finally, the last subsection lists the references used.

**1.1 Purpose**

In this SRS document, the project plan is described. The target of this project is also explained. In addition, the tasks of each team member of this project are presented. Moreover, the specifications and requirements of the project are presented.

**1.2 Scope**

The “college tracking system” is an application designed to help students and faculty staff to follow their schedule as well as their examination by offering a set of properties that include: classes location identification, teaching faculties schedules, emails, method of communications as well as office identification, also student’s examination schedule. This application also provides university map and GPS to help students tracking their classes. It will be free to download and use by people belong to college of computer science. College tracking system will not have access to student’s marks and will not be connected to university website. In addition to that, this application just operates within the university local area network (LAN).

**2. General Description**

This section will give a general description about the product. Here the system will be described how it's interconnect with GPS system, in order to facilitate its functionality. In addition, it will describe the consumer base and what functionality will be used to them. Lastly, the user characteristics will be presented as well.

**2.1 Product Perspective**

CTS is a mobile software that will cooperates with GPS system. CTS mobile application will be used to locate and show real-time status of the desired classrooms or offices. Furthermore, our application will connect with the GPS to provide directions for the users to the designated room. CTS mobile application should present the contact information for the faculty staff along with the student's schedule information.

**2.2 Product Functions**

The CTS is a tracking system as well as service system. Using the application interface, it will help the faculty staff and student to direct them to their classroom. It allows faculty staff and student adding or removing a course from schedule, also faculty staff can add or remove their exams. Students will be directed to the scheduled classroom using their schedule. In addition, available classrooms will be colored differently than occupied or unavailable rooms. Furthermore, office rooms will display the office number and the staff information. Lastly, students and faculty staff can see a news list, which includes for example last uploaded exams or courses.