



 slington college
(इरिलिङ्टन कलेज)

Module Code & Module Title
Software Requirement Specification
Semester
2020 Spring

Student Name: Sagar Poudel

London Met ID: 18030043

College ID: np01cp4a180204

I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

Abstract

This is Software Requirement Specification document for Final Year Project “Institute Management System”. This project helps to manage educational institute digitally. This project has feature like student registration, student fee tracking, book sales system, report generation. This project needs hardware such as PC and smartphone with barcode reader app. Software requirements for this application are MYSQL database , barcode reader app etc.

Table of Contents

1. Introduction.....	4
1.1. Introduction and Product Overview	4
2. Specific Requirements	4
2.1. External Interface Requirements	4
2.1.1. User Interfaces	4
2.1.2. Hardware Interfaces	4
2.1.3. Software Interfaces	4
2.2. Software Product Features	5

1. Introduction

1.1. Introduction and Product Overview

This project is a web application developed using Laravel web framework. Main goal of this project is to reduce paper work in educational institute. There are some functionalities given below that this project will provide:

- i. Registration of Students according to their desired course
- ii. Tracking students who have paid or haven't paid fees
- iii. Book related to course selling system
- iv. Keep track of Customers buying books
- v. Book selling system having barcode generating and barcode reading functionality
- vi. Reports generation of books sales and students fees

2. Specific Requirements

2.1. External Interface Requirements

2.1.1. User Interfaces

- i. As this is web application User interface is made as familiar as possible.
- ii. User can interact with web application by using mouse and keyboard

2.1.2. Hardware Interfaces

- i. A PC/ Laptop for running program is needed to run this application
- ii. A smartphone for reading barcode

2.1.3. Software Interfaces

- i. PHP/ Laravel Framework
- ii. MySQL for Database
- iii. Code editor i.e. Visual Studio / PHP storm
- iv. Bar code reader app from <https://barcodetop.com/>
- v. Bar code receiver server from <https://barcodetop.com/>

2.2. Software Product Features

Some of the specific features of Institute Management System are:

- i. Student Registration
- ii. Student Fee Tracking
- iii. Book Sales System
- iv. Sales and Student fee Report