

# Software Requirement Specification for One Credit Course Exemption

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<b>Project ID</b>	17
<b>Problem Statement</b>	One credit course exemption

## 1. Introduction

### 1.1. Purpose:

The purpose of this document is to present a detailed description of the one-credit course exemption webpage for our college. This webpage will explain the requirements and benefits of completing three one-credit courses to earn an exemption from a full course. It will detail the features and functionalities of the webpage, the user interfaces, the system's capabilities, constraints, and how the system will interact with users and other systems.

### 1.2. Scope of Project:

- This software system will serve as a portal for students to manage their one-credit course exemptions. It will provide a user-friendly interface for students to track and complete the required one-credit courses to qualify for an exemption from a full course.
- From an administrative perspective, this system will offer tools for monitoring student progress and ensuring compliance with the course exemption requirements. Administrators will have access to detailed dashboards and reports to facilitate oversight and decision-making.

- Students will be able to view available one-credit courses, enroll in them, and track their completion status. Once all three one-credit courses are completed, the system will automatically process the exemption for a full course.
- Administrators have the ability to approve or reject one-credit course completions based on set criteria. The system will notify students of their exemption status and provide necessary follow-up actions.

## **2. System Overview:**

### **2.1. Users:**

#### **1.Students:**

Students can enroll in one-credit courses, monitor their progress, and track completion status. They can view the list of available one-credit courses, register for these courses, and manage their course schedules. Upon completion of three one-credit courses, students can submit their exemption application for administrative review. Students can review their exemption status and interaction history with the portal.

#### **2.Admins:**

Admins can review submitted one-credit course Completions and exemption applications. They have the authority to approve or reject exemption applications with remarks. Admins can manage course offerings, update course information, and oversee student enrollments. Access analytical dashboards for monitoring student progress, course completion rates, and exemption approvals.

## **2.2. Features:**

### **1.Login and Registration:**

- Students can register for an account or log in with their existing credentials.
- Admins have their own secure login to access administrative features.

### **2. Course Enrollment and Tracking.**

- Students can browse and enroll in available one-credit courses.
- Track progress and completion status of enrolled courses.

### **3.Exemption Application Submission:**

- Upon completion of three one-credit courses, students can submit an application for exemption.
- The application includes details of completed courses and relevant information for administrative review.

### **4.Application Status:**

- Students can view the current status of their exemption application.
- The portal provides a history log of all interactions and submissions under the "Activity" section.

### **5.Admin Access:**

- Admins can view all submitted exemption applications.
- Review application details, approve or reject applications with appropriate remarks, and manage student course records.

## 6.Admin's Analytical Dashboard:

- Admins can view detailed analytics including the number of applications, course enrollments, and completion rates.
- Monitor exemption application requests and view the latest activity logs for better oversight and decision-making.

### Stack:

Front End	React Js
Backend	Node Js, Express Js
Data Base	MongoDB

Flow chart



