# Online Course Management System

**1. Introduction**

The Online Course Management System (OCMS) is intended to help universities manage courses, student enrolment, and academic progress. It provides tools for instructors to create course materials, for students to enrol in courses and track their progress, and for administrators to manage the overall course offerings.

**2. Functional Requirements**

**a. Overall description**

* The system will cover various aspects of course management from creation to student assessments.

**b. Public features**

* **Home page:** The starting point for accessing the system, with information on courses and services.
* **Course catalogue:** List of available courses with descriptions and enrolment options.
* **Contact support:** Page for submitting inquiries or support requests.

**c. Common features**

* **User login:** Authenticate users to access their respective dashboards.
* **User registration:**  Register new users (students, instructors, admins).
* **Reset password:** Enable users to recover their accounts.
* **Change password:** Allow users to update their login credentials.
* **User profile:** View and update personal information.

**d. Student features**

* **Student dashboard:** Overview of enrolled courses, grades, and upcoming assignments.
* **Enrol in course:** Search and enrol in available courses.
* **Course materials:** Access lecture notes, videos, and other course-related materials.
* **Submit assignments:** Upload and submit assignments for grading.
* **Track progress:** Monitor grades and course completion status.
* **Discussion forums:** Participate in course-related discussions with peers and instructors.

**e. Instructor features**

* **Course management:** Create and manage course content, including syllabus, lectures, and assignments.
* **Gradebook:** Manage grades for students, including entering scores and providing feedback.
* **Assignment creation:** Create assignments with deadlines and grading criteria.
* **Course announcements:** Post announcements that students can view on their dashboards.
* **Discussion moderation:** Oversee and manage discussion forums for the courses they teach.

**f. Admin features**

* **Course catalogue management:** Oversee the list of available courses, including the ability to add or remove courses.
* **User management:** Administer user accounts for students, instructors, and other staff.
* **Enrolment tracking:** Monitor student enrolment across different courses.
* **System reports:** Generate reports on course completion rates, student performance, and system usage.
* **System settings:** Manage settings related to course availability, user roles, and access permissions.

**3. Other requirements**

* **Configuring information:** Administrators should have the ability to configure course categories, user roles, and notification settings.
* **User input data formats:** All input data, particularly in forms like course creation and assignment submissions, should be validated for format and length.