

SRS Document(Learning management system)

Purpose:

The purpose of this system is to provide comprehensive online platform for managing courses, assignments, online lectures, educational material and communication among teachers, students and administrators.

Goal of project:

The main goal of this system is to understand the need of system users and develop a system that address their challenges and meet their needs related to online learning and management.

Stakeholder:

Stakeholder	Role	Concern
Student	End user/learner	Easy access to course, material, Grades, Communication with instructor, mobile access.
Teacher	Content creator/educator	Easy content upload, assessment creation, grade book management, student activity tracking.
Admin	Manage coordinator	Enrollment management, course scheduling, generating progress report, managing user account.

Requirement Elicitation Activities:

To gather necessary requirements, following activities will be conducted:

- **Interview:** Conduct interview with teachers, student and administrators to understand their specific needs, challenges and problems with current online learning.
- **Survey:** Collect feedback from users regarding the features they desire and expect in the new LMS.
- **Requirement Analysis:** Analyse the collected requirement and feedback carefully to understand users needs and problems and subsequently classify the requirements.

Project Features:

LMS wil support following key functional goals:

- ◆ Manage online course
- ◆ Assignments and past papers
- ◆ Uploading Material
- ◆ Grading and feedback
- ◆ Communication
- ◆ Attendance

Functional Requirements:

System must perform following activities:

- **User registration and login:**
 - All users must be able to sign up for an account.
 - All users must be able to login using their Name, Email and Password after sign up
- **Course Management:**
 - Teacher must be able to create, edit and delete courses.
 - Administrator must approve or reject courses created by teacher.
- **Assignments and online Test Module:**
 - Teacher must be able to post assignments, including setting a deadline.
 - Student must be able to submit their assignments by uploading files.
- **Lecture Material Management:**
 - Teacher must be able to upload study material (Pdf, videos and slides) for lectures.
 - Student must be able to download available study material.
- **Result and Feedback**
 - Teacher must be able to grade submitted assignment.
 - Teacher must be able to provide feedback to students on their assignments.
- **Communication Features:**
 - Teacher can post announcement for students.
 - Student can view these announcement anytime.
 - A dedicated message system must be available for communication between teacher and students.

Non-Functional Requirements:

These requirement specify criteria that can be used to judge the operation of system:

- **Usability:** System must be easy to use and user-friendly for all users.
- **Security:** System must ensure password protection and data privacy for all users.
- **Performance:** The system must load quickly. Pages should open and display content

within a few seconds.

- **Availability:** The system must be available for students to log in and check notes and grades and even late at night.
- **Reliability:** The system must include a backup system to prevent data loss and ensure continuity of service.