
SOFTWARE REQUIREMENTS SPECIFICATION

For

E-Learning Management System

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1. Introduction

1.1 Purpose

The main objective of this document is to illustrate the requirements of the project E-Learning Management system. The purpose of our E-learning Management System (LMS) is to provide a user-friendly and versatile platform for instructors to create, deliver, and manage online courses seamlessly and for students, it offers a flexible and accessible environment to enroll in courses, track their progress, and engage with educational content. An LMS can facilitate collaboration between students and instructors through interactive features. This project describes the hardware and software interface requirements using ER diagrams and UML diagrams.

1.2 Document Conventions

- Entire document should be justified.
- Convention for Main title
 - Font face: Times New Roman
 - Font style: Bold
 - Font Size: 14
- Convention for Sub title
 - Font face: Times New Roman
 - Font style: Bold
 - Font Size: 12
- Convention for body
 - Font face: Times New Roman
 - Font Size: 12

1.3 Scope of Development Project

The scope of an e-learning management system (LMS) encompasses a broad range of functionalities designed to streamline and enhance the educational experience.

It encompasses course creation tools, allowing instructors to structure content, upload resources, and design assessments.

Students can seamlessly enroll in courses, access multimedia materials, and monitor their progress and also they can able to Collaborate with Instructors.

The platform's user-friendly interface ensures accessibility across devices, fostering a dynamic and engaging learning environment.

This project envisions becoming a versatile solution that caters to the evolving needs of the educational sector, contributing to the advancement of online learning and facilitating a more inclusive and interactive educational ecosystem.

1.4 Definitions, Acronyms and Abbreviations

JAVA -> platform independence
SQL-> Structured query Language
ER-> Entity Relationship
UML -> Unified Modeling Language
IDE-> Integrated Development Environment
SRS-> Software Requirement Specification

1.5 References

- Books
 - Software requirements and Specification
 - "Software Requirements": by Karl Wieggers and Joy Beatty
 - "Software Engineering: A Practitioner's Approach" by Roger S. Pressman
 - "Requirements Engineering: From System Goals to UML Models to Software Specifications" by Axel van Lamsweerde
- Websites
 - <https://www.scribd.com>
 - <https://ieexplore.ieee.org>

2. Overall Descriptions

2.1 Product Perspective

Use Case Diagram of E-Learning Management System



