**Learnix – E-Learning Platform**

**Project Documentation**

*( DEPI Graduation Project)*

**1. Project Planning**

**1.1 Project Overview**

**Learnix** is a web-based e-learning platform built using **.NET MVC** that enables instructors to create and manage courses, while students can browse, purchase, and learn from them.  
The system aims to provide a flexible learning environment similar to **Udemy**, with course management, video lessons, downloadable materials, payments, and progress tracking.

**1.2 Project Objectives**

* Build a fully functional e-learning platform with modern UI.
* Implement authentication and authorization for students, instructors, and admin.
* Allow instructors to upload courses, videos, and downloadable materials.
* Enable students to purchase and enroll in courses.
* Ensure scalability for AI chatbot integration.

**1.3 Project Scope**

| **Module** | **Description** |
| --- | --- |
| Authentication | User registration/login with roles (Admin, Instructor, Student). |
| Course Management | Instructors can create courses, sections, and lessons. |
| Lesson Materials | Upload videos and downloadable files. |
| Enrollment | Students can view and enroll in courses via payment. |
| Admin Dashboard | Manage users, courses, and system data. |
| AI Chatbot | Simple chatbot integration for FAQs or help center. |

**2. Stakeholder Analysis**

| **Stakeholder** | **Role** | **Responsibilities / Interests** |
| --- | --- | --- |
| **Project Team** | Developers | Implement all system features using .NET MVC and SQL Server. |
| **Instructor** | Project Supervisor | Evaluate progress, quality, and documentation. |
| **Admin (System User)** | Manage Platform | Manage users, verify instructors, and moderate courses. |
| **Instructor (System User)** | Course Creator | Create, edit, and manage courses and lessons. |
| **Student (System User)** | Learner | Browse, purchase, and access courses. |

**3. Database Design**

**A screenshot of a computer

AI-generated content may be incorrect.**

**A screenshot of a computer

AI-generated content may be incorrect.**