University Institute of Information Technology
PMAS-Arid Agriculture University, Rawalpindi

Project Proposal
For
Course Management System (CMS)

- **Please select the appropriate category of your project**

A-Desktop Application/Information System	■	**B-**Problem Solving and AI	☐
C-Web Application/Web Application based Information System.	■	**D-**Simulation & Modeling	☐
E-Smartphone Application	☐	**F-**Smartphone Game	☐
G-Image Processing	☐	**H-**Networks	☐
I- Other: _____	☐		

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1. Introduction

As the name suggests, this Course Management System is a desktop application designed for educational institutions. The primary goal of the project is to facilitate seamless interaction between

students and instructors in the university concerning the submission of projects, assignments, thesis, and receiving feedback from instructors.

- An area for faculty posting of class materials such as course contents and handouts
- An area for student posting of papers and other assignments
- A gradebook where faculty can record grades and each student can view his or her grades
- Instructor evaluation and Course evaluation for students

2. Functionality of proposed system

The **administrative** aspects of such systems may include class rosters such as course offerings, teacher demographics, teachers class assignments, students demographics, and student class enrollments, the ability to record students' grades, creating teacher and course evaluations and have the ability to *add, retrieve, delete, search and update* teacher's and student's record from database respectively. With respect to the **instructor** aspects, however, it could include learning objects, class assignments, quizzes and papers. With respect to the **students** aspects, however, it could include *viewing* course contect, learning material, attendance and enrollment; *uploading* class assignments, quizzes and papers and *filling* teacher and course evaluation.

3. Scope

This **CMS** focuses on the management and distribution of eLearning and instructor-led courses. To put it another way, course management is often the main function of an LMS; a secure place to store and launch training to a subset of users.

4. Modules of the project

- Administrator Module
- Students Module
- Instructor Module

5. Explaination of Modules

- **Administrator module** – This module is designed exclusively for managing administrative functions like creating accounts for students and instructors, creating the curriculum, coding the subjects, managing the employees, payroll, and so on. Basically, this module lays the groundwork for the other two modules.
- **Students module** – This module is designed for the usage of students. They can log in to their accounts to view their coursework, submit their projects, get feedback from instructors, etc.
- **Instructor module** – This module is for the instructors who can log in to their accounts and check the projects submitted by the students, communicate with the students, and offer guidance to them.

6. Tools and Technologies

Tools And Technologies	Tools	Version
	Apache NetBeans	12.5
	VS Code	2019
	Adobe illustrator	2019
	MS Word	2019
	MS Power Point	2019
	Technology	Version
	Java	15.0.1
	MySQL	7.0
	Web Languages	latest

7. Concepts

- Object Oriented Programming(OOP) in Java
- JDBC
- Java GUI

8. Intended Users

- Student
- Instructor

9. Timeline

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Plannin                  • Mid of Dec

        Web Interface    • End of Dec

                Dekstop App    • Start of Jan

                        Testing &        • Mid of Jan
                        Deploymen

                                Final Evaluation  • As
                                                    Direction
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