



## **Course Code & Title**

CSE 436: Final Year Project  
Department of CSE

## **Project Title**

**Knowledge Ocean**  
**A Learning Management System (LMS)**

## **Submitted To:**

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# Proposal for Final Year Project

1.	<b>Project title: Knowledge Ocean</b>
2.	<b>Project area and Task description:</b>  This project “Knowledge Ocean” is online learning platform for everyone. This Website is designed to create, distribute, and manage educational content. Schools, universities and billion-dollar enterprises – today almost every organization either already has or is about to get a learning management system (LMS). Here students and teachers are combined together for sharing knowledge through a structured course-based system. By this project, Teachers or instructors can create an unlimited number of courses, video lessons and documents according to their expertise and students can enroll in these courses and make themselves skilled anytime and from anywhere. Admin can control everything from the backend.
3.	<b>Objectives of the project</b> <ul style="list-style-type: none"><li>▪ “Knowledge Ocean” is aimed at producing good students that have deep knowledge of the subjects and strive to learn more.</li><li>▪ LMS typically tracks learners’ progress through its grading system.</li><li>▪ LMS should have the ability to quickly and easily update courses.</li><li>▪ Unlimited access to learning content anytime and anywhere.</li><li>▪ Reduce time consumption</li><li>▪ To maintain students’ education with quality.</li><li>▪ Automated Performance, Progress, and Schedule reports.</li><li>▪ Online Interaction between teachers and students.</li><li>▪ Centralized Database management.</li><li>▪ To design a user-friendly graphical user interface which suit the user.</li></ul>
4.	<b>Methodology:</b>  In this project I would like to develop a web-based learning management system that can suit for any sort of clients including universities, colleges and schools. I have reviewed different management systems and am interested to develop one using PHP and MYSQL database and improve the scope of learning management system to a generalized level.  This learning management system is an e-learning platform where the admin can manage users to share skills and knowledge.

“Knowledge Ocean” LMS is beneficial for:

**Learner:** The student or newly recruited employee who wants to enrich their knowledge and skills.

**Instructors:** Who wants to create and sell the course in their expertise subjects.

**Admin:** The authority who operates the application, manages the user's panel, etc.

We are going to cover below functionalities in projects:

“Knowledge Ocean” LMS is an e-learning platform. Here, we can:

- 1) Create course
- 2) Add students
- 3) Grant instructor application from student's panel
- 4) Explore the course portal
- 5) Instructors can request for payout
- 6) Filter the course portal for a perfect result
- 7) Manage user's profile
- 8) Make quizzes for students
- 9) Create Wishlist
- 10) Instructors can sell and manage their course
- 11) Assign multiple instructors for one course
- 12) Provide the printable invoice for any transaction
- 13) Message between instructor and students

#### **Student/User Panel:**

- 1) Create account
- 2) Browse courses
- 3) Save favorite courses to Wishlist
- 4) Add courses to cart
- 5) Purchase
- 6) Watch Course Progress percentage
- 7) Start learning from course page
- 8) Messaging with course instructor

#### **Instructors Panel:**

- 1) Create courses from instructor panel
- 2) Lesson Type
- 3) Create Lesson
- 4) Create Quiz
- 5) Manage course
- 6) Manage category
- 7) Admin approves pending courses for sale
- 8) Student purchase course and money
- 9) deposited to site admin
- 10) Admin pays course price commission to instructor

	<b>Admin Panel:</b> <ol style="list-style-type: none"> <li>1) Create users.</li> <li>2) Lesson Type</li> <li>3) Create Lesson</li> <li>4) Create Quiz</li> <li>5) Manage course</li> <li>6) Manage category</li> <li>7) Course Coupons and Price</li> <li>8) Manage revenue report menu.</li> <li>9) Grant permission to withdraw the instructor's revenue.</li> <li>10) Add addons.</li> <li>11) Configure and update the entire system settings.</li> <li>12) Accept/reject the application for the instructor.</li> </ol>
5.	<b>Expected Outcome of the project:</b> <ul style="list-style-type: none"> <li>▪ To make the existing system more efficient.</li> <li>▪ To provide a user-friendly environment where user can be serviced better.</li> <li>▪ Organizes eLearning content in one location</li> <li>▪ Provides unlimited access to eLearning materials</li> <li>▪ Reduces Learning and Development costs</li> <li>▪ Reduces Learning and Development time.</li> </ul>
6.	<b>Technology and Frameworks:</b>  <b>Frontend Frameworks:</b> HTML, CSS, JavaScript and Bootstrap. <b>Backend Frameworks:</b> PHP (CodeIgniter), API. <b>Database:</b> MySQL