LAB-1: TO PREPARE PROBLEM STATEMENT FOR A PROJECT

TITLE: PROBLEM STATEMENT FOR E-LEARNING MANAGEMENT SYSTEM

THEORY:

1.INTRODUCTION

A learning system based on formalized teaching but with the help of electronic resources is known as E-learning. While teaching can be based in or out of the classrooms, the use of computers and the Internet forms the major component of E-learning. E-learning can also be termed as a network enabled transfer of skills and knowledge, and the delivery of education is made to a large number of recipients at the same or different times. Earlier, it was not accepted wholeheartedly as it was assumed that this system lacked the human element required in learning.

However, with the rapid progress in technology and the advancement in learning systems, it is now embraced by the masses.

The colleges/universities which use E-learning technologies are a step ahead of those which still have the traditional approach towards learning. No doubt, it is equally important to take forward the concept of non-electronic teaching with the help of books and lectures, but the importance and effectiveness of technology-based learning cannot be taken lightly or ignored completely.

E-Learning can be delivered and supported using a variety of electronic media, but is also the ideal complement to a traditional education or training program delivery. These technologies are used to create and deliver individualized, comprehensive, dynamic learning content that facilitates learning, anytime and anywhere. It is an innovative approach to communicating almost any type of instructional information. e-Learning can be delivered and supported using a variety of electronic media but is also the ideal complement to a traditional education or training program.

1.1. Problem Statement

The current situation is very limited to few resources, students are unable to get knowledge more than that the lecture provides to them. This in the end limits student's performances, because everything a student gets is collected from lectures in class.

Here are some of the problems of the current system:

- Students submit assignment to lectures through hard copies or personal emails.
- Students only get help from lectures if the lecturers are in they're office.
- New lectures to a course have to get materials on their own.
- Student are required to physical be in the classroom in order to gain knowledge thereby sacrificing all other responsibilities.

The system will hopefully serve as a centralized database of syllabus for the courses offered at the institution allowing students and faculties (current, past and prospective), to view them. The system will end up bringing an effective communication among students, lectures, and the administration, by accessing information and other resources anytime, anywhere.

1.2. Background

In traditional method, students or learners had to physically attend classes, which could be a challenge for those who lived far away from the educational institutions or had commitments. They had to attend classes in specific time, which could very hard for them due to their commitments. Similarly, they had to be around the specific syllabus and curriculum, which could be frustrated and boring too and those who want to pace at their own, they did not get any study materials due to limited resources available. And the education system was costly too who wanted to persue higher education.

1.3. Objectives

The objectives of this project are as follows:

- To provide an online study platform for students/learners.
- To enable student to study via distance learning.
- To enable student to enroll the desired subjects, course material and interact with them.

1.4. Description

In this new era of electronics, we know the concept of **e-learning** which does not include the use of paper and pen. There are many advantages of e-learning system. In this e-learning system we can assign projects to students and can share documents and more easily. This system has three modules including student, faculties and Admin. Students can login, they have access to main menu, projects, documentation, to upload, view the things uploaded by the faculties, knowledge books, also send messages to faculties. Faculties can login and have access for viewing, uploading documents and projects. Admin can login and manage the faculties and student details and also view projects. This is how the new concept of e-learning came into existence, which is an easier and smarter system for educational institutions.

E-learning Management System (e-LMS) is a web-based system that provides a platform for managing and delivering online courses. It is a software application or web-based technology used to plan, implement and assess a specific learning process. It is used for e-Learning practices and, in its most common form, consists of two elements: a server that performs the base functionality and a user interface that is operated by students and administrators. It is frequently used by businesses of all sizes, national government agencies, local governments, traditional educational institutions and online/eLearning-based institutions. The systems can improve traditional educational methods, while also saving organizations time and money.

Conclusion

The problem statement was written successfully by following the steps described above. In conclusion, E-Learning Management system is a marketplace script for online learning with desired Course. Here students or learners are combined together for sharing knowledge through a structured course-based system. Admin can create an unlimited number of courses, video lessons and documents as per the requirement of the students.

Assignment

Problem statement for cloud based e-learning