

Distant Learning

Self paced Education

Objective

Developing a web based training system to promote education at reduced cost and providing convenient and self paced learning. It provides a means of collaborative learning for the students where students discuss on topics of common interest or learn from their peers within this learning framework.

Users of the system

Multiple profiles of users shall operate this system.

1. Administrator
2. Students
3. Faculty
4. College Management (Dean, HODs, Principal)

High Level Requirements

1. Providing role based access to the Users of the system.
2. College management user shall create, update, delete courses and subjects offered by the institute like course duration, end date, start date, fees, eligibility, passing criteria -etc.
3. Assign faculty members to subjects.
4. Setup frequency of uploading lectures, assignments, discussions, assessment of assignments, journals for each subject.
5. View reports like students wise performance, student defaulter list, faculty defaulter list, most demanded course, course wise enrollment details.
6. The Faculty user can upload lectures, assignments, participate in discussions, make announcements, exam questions and model answers in various formats as in videos, PPT, PDF, document, spreadsheet files.
7. System sends an auto-mailer the submitted assignments, journals to the assigned faculty member for a subject, after the submission date of assignment is over.
8. Faculty member assesses and uploads the marks for the assignments, journals submitted.
9. System sends auto-mailer for reminders to upload the assessment of assignments, journals, lectures, discussions to assigned faculty member. If the faculty member does not submit within the required date, then he / she is listed in the defaulter list.
10. A student can choose a course to enroll, download lectures, take exams, view their progress reports, assignments and journals to be done, notices, subject materials etc as per their convenience.

Non Functional Requirements

1. Internet Explorer 7.0 above browser compatibility
 2. Proper user-id/password based user authentication to allow access to the system.
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Technical Requirements

1. Create a detailed UML diagram (Component, Sequence, Class) for the OSMS and its sub-components using RSA7.5.
2. Deploy the solution using Web-Sphere Application Server tool-kit which serves dual purpose i.e as an IDE as well as an application server.
3. DB2 Database