**Learning Management System Requirements**

Project Description

This system is used for facilitating the education process, saving time and saving money. It is a learning management system that is used for managing the E-learning process. This is courses web site that help the person get his education from his place. We provide full automation full the training process via web system, starting from computerized transaction processing system to run training registration and enrollment, ending to management information system for giving real-time monitoring of performance and progress. Our solution is designed to support comprehensively the training management not only by practical functionalities but also by standardization through using the best practices in running the training process.

The Project Requirements

* Courses Structure Management
  1. The admin can create and organize the course topics and attaching the different materials required.
  2. The instructor can determine the content of his course and create and maintain courses records with their detailed description including the course type and duration.
  3. The admin can create and maintain evaluation questionnaires for courses classes which include rating questions that measure the trainees’ satisfaction from class sessions, these questions can appear at all the classes and all the topics.
  4. The admin can add some questions to each course to test the students and to measure the degree of the knowledge of each student.
  5. The Instructor has option to add some questions to the questionnaire of his subject.
* Courses Evaluation Questionnaires Management
  1. Creating and maintaining evaluation questionnaires for courses classes which include rating questions that measure the trainees’ satisfaction from class sessions.
  2. Enabling commenting option for questionnaires to allow trainees giving their written comments regarding all the course class outcomes not each video.
  3. Organizing questionnaire rating questions through setting their sequence and putting them into groups according to word or sentence to get more accurate answers from trainees.
* Trainees Management
  1. Creating and maintaining trainees’ profiles with their related details including their CVs, preferences and contact information, some is required when signing up and another is not.
  2. Maintaining trainees’ records that are received from the website trainee application form and send the application form to the admin.
  3. The admin can Keep and view trainees’ history involving the details of courses enrollments, certificates and feedbacks.
  4. The trainee can keep and view trainees` history involving the details of his course enrollment, certificates and feedbacks.
  5. Sending announcements and notifications to trainees for the courses that they booked and the different training activities that they are interested in.
  6. The trainee can book any course either it is free or access the payment form.
  7. He has a dashboard of his history and his certification.
* Instructors Management
  1. Creating and maintaining instructors’ profiles with their related details including their CVs, contact information, courses preferences, their specialization and the related areas of expertise these information required when signing up .
  2. The admin either major or sub can view and maintaining instructors’ records that are received from the website instructor application form.
  3. Rating the instructors’ performance for a specific course or for all given courses according to the courses evaluation questionnaires submitted by trainees and Course Examine Results and these exam question will be determined by the admins to give certifications to the trainees and the admin can rate the instructor according to this information.
  4. Sending general announcements and notifications to instructors including new courses that are related to their specializations and their material, assessment tests evaluation, news and updates.
  5. The instructor can determine the content of his new courses that are added to his material.
  6. The Sub admin can manage and maintain the teaching records for each instructor.
  7. Managing instructor's registrations and registration approved by admin.
  8. The instructor can add new topic but it waits for the admin agrees.
  9. The instructor can publish all his course videos one time , can add link to the course and can add pdf and samples of e-books.
  10. The instructor can add questions to the mini exam and determine the answers.
  11. The Instructor can publish his course with the amount of money he want even he wants to publish it for free.
  12. The Instructor can publish his course for free at any time after the course time.
  13. He can see the quiz result and questions with it is right answers percent and determine which question is easy for student and which is hard.
  14. He can determine the number of times any question has been determined.
  15. He has a dashboard of his summary.
  16. The instructor can keep and view trainees` history involving the details of his course enrollment, certificates and feedbacks, He can have feedback from students but he cannot know the student name.
  17. The instructor can be a trainee at another course at the same time.
  18. He can edit any time at his course or it is description or even delete it.
* Training Classes Management
  1. Creating and maintaining courses classes with their start and end date with a defined code or No. for each year, for easy tracking.
  2. Creating and maintaining sessions with specifying the time of each session that he had published the recorded video.
  3. Setting capacity for the course training and determining the number of students that book the course at that time and controlling its ceiling min (15) & max (40).
  4. Assigning instructors for each course session related to the active course.
  5. Setting the course training class on the system calendar to be shown in public to website visitors, trainees, and the other system users as well.
  6. Conducting course evaluation questionnaires to trainees to get their feedbacks regarding the instructor and the course.
* Courses Enrollment requests
  1. Activating course enrollment option for courses so that trainees can submit enrollment requests via the website.
  2. Receiving enrolment requests for course from trainees which may include one or more trainees
  3. Monitoring the requests progress to be converted to registration.
  4. Setting the requests status which is either initial or confirmed.
  5. The admins and Instructors can have filtered enrolment requests by time range, trainees, course classes, or requests status.
* Trainees Registration
  1. Maintaining courses registration records submitted by trainees.
  2. Maintaining single and multiple assignment of trainees in courses classes.
* Payments Management
  1. Determining the financial proposal of each enrolment request with calculating the total payment value of the course registration.
  2. Setting automatically the fully paid course registration to be permanent.
  3. The admin can determine the percent of the site and add it to the total payment of the instructor.
* Administrator activities
  1. The major admin will accept the request of the sub admins and determine the courses on the site and the questions that appear on the topics, and can accept or refuse any topic the instructor want to add
  2. The major admin can view summary of all courses and sub admins and instructors who has been accepted or not and can edit any topic.
  3. The major admin has the authority to determine the money and accept the enrollment or not.
  4. The major admin can determine that one trainee enroll at one course or more.
  5. The major admin can determine that one instructor can teach at one course or more.
  6. The sub admin can create, maintain courses description pages according to the available course structure details. Courses description pages have the options of attaching videos and images, setting the related courses, showing the course upcoming classes, and allowing enrollment request submission.
  7. The sub admin can determine the courses that trainee most like.
  8. The sub admin can create and maintaining instructors’ profiles with their related details including their CVs, contact information, courses preferences, their specialization and the related areas of expertise this information required when signing up.
  9. The sub admin can be an instructor of topic at the same time.
  10. The sub admin can view the account of the instructor and the feedback.
  11. The sub admin can moderate his topic band has notifications of courses and instructors and control this notification.