# CourseNest

# OBJECTIVE:

The goal is to develop and maintain a performance assessment system that will help Online Educational Platform to assess the quality of education they provide to their students.

# ABSTRACT:

The aim of this project is to assess the CourseNest success by collecting feedback from students on classes, Professors, and personal growth and feeding it into a framework that will measure the criteria that the CourseNest should concentrate on.

# DESCRIPTION:

A good Online Platform is one that provides students with high-quality of education that will help them to develop a bright career. An Online Platform is responsible for providing students with valuable tools that will allow them to succeed.

The Components of CourseNest consists of:-

1. The Professor and students associated with the CourseNest,

2. The administration which includes Professor and students at different levels.

3. The Universities status in the education world and the responsibility of handling the quality of education and their success rate.

As many Online Platform are trying to impart best quality education to the students, but the best is the one that imparts quality education with less expenses. It is indeed like a chain reaction where every entity is dependent on one another, i.e. A good professor imparts good quality education to a student, the student is able to make the most out of the resources at his disposal and builds a successful career, this enhances the reputation of the Professor as well as the organization in an industry and which will raise the bar of an Organization where they can make the necessary changes to improve their education and also tie up with the companies in various industries to give students a better perspective resulting into shaping career of students

It is important for CourseNest to keep track of its students' successes and in order to track their progress. A CourseNet can keep in contact with its former students through every available channel, such as Facebook, LinkedIn, career blogs, and so on. When a CourseNet is collaborated with an alumni, it demonstrates that the CourseNet cares about the individual's growth.

The CourseNet has an education system associated with different projects with each course, but the effect of each course on each person is unknown. Exam results can be used to determine this another way to increase education quality is to ensure that students recognize the significance of a specific course in the current industry and the associated criteria.

A CourseNet should devote a few resources to keep track of its students across different channels, and in the event of their designations or profile changes, the CourseNet should store this information in its own database.

Keeping track of the former students success and progress would allow them to assess how a certain Professor and course of study supported the student in achieving their Goal and how they can improve it further to improve their students' success rate.

Since most students use LinkedIn to develop their professional profiles, a CourseNet may use its tools to track down any of their students' activities by requesting them to join an alumni group at their school and continue to share their accomplishments and papers in order to keep track of their advances. A CourseNet should identify its Key Performance Indicators, to track the progress of former students over the time, which can include two years of course completion and five years of work experience. The above digital idea should not be restricted to universities, in fact it would be more useful if this idea is incorporated all the way from kindergarten to Graduate School.

As schools are smaller organizations it will be easier to keep track of the performance of school, teacher and students from a early age. And in future by making this a centralized portal where the data is under the government it will be easier to scout talents in studies, sports and work. And every organization can authenticate or cross verify the data with the government.

# Flow:

1. Professor will create the course.
2. Students will register for courses and will get number of credits.
3. Total Number of Credits taken will be validated by employer and student will declare the graduation status.
4. Student, Professor and Employer directories would be maintained.
5. Average rating of all the Courses for a Professor would be calculated.
6. On the basis of Professor rating student will decide register for the course of a given professor.

# ENTITIES:

# Classes

# Course: This class contains the details about a course. It has id, name and credits as it’s attributes.

# CourseList: This class contains the information about the courses a student has taken and the grades he/she has scored in it. It has attributes like studentID, course and grade in it.

# Professor: This class contains the basic information about a Professor, course taught by that Professor and their rating. It has attributes like ProfessorID, ProfessorName, coursesTaught and rating.

# ProfessorDirectory: This class contains the list of all the faculties present in the CourseNet. It has the attribute called faculties.

# Transcripts: This class contains a list of courses taken by a student. It has an attribute called coursesTaken.

# Student: This class contains the information about a student. It has attributes like studentID, studentName, joiningSalary, salaryAfterFiveYears and transcript.

# StudentDirectory: This class contains the list of all the students who are from a particular CourseNet. It has an attribute called directory.

# Employer: This class contains all basic information about a CourseNet. It is meant to compare universities on the basis of it’s rating. It has attributes like EmployerID, EmployerName, studentDirectory, ProfessorDirectory and rating.

# EmployerDirectory: This class contains the list of all the universities present in the CourseNet. It has the attribute called universities.

# Methods

# addCourse: This method is a part of Professor class. It is used to add the courses taught by a particular Professor.

# addProfessor: This method is a part of ProfessorDirectory class. It is used to add any Professor in the Professor directory.

# getProfessorRating: This method is a part of ProfessorDirectory class. It is used to calculate the average rating of all the faculties of a CourseNet.

# getCoursesList: This method is a part of Transcript class. It is used to fetch the list of courses taken by a student.

# addStudent: This method is a part of StudentDirectory class. It is used to add a student in the student directory.

# ProfessorRating: This method is a part of Employer class. It has all the data to generate rankings of the universities on the basis of their ratings.

# Entity Relationship Diagram:

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# DIAGRAM

1. SEQUENCE DIAGRAM

