ONLINE KNOWLEDGE ASSESSMENT

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Abstract: The online knowledge assessment is a web application which allows and access to conduct a test online to gauge the participant's learning and mastery over a particular subject. The assessment knowledge is a project developed to provide an easy way to develop student's skills. This project helps users by analysing the areas where students are weak and allows tests accordingly. This project is developed in php platform. Main aim of this project is to implement a web based portal with education information which will be useful for college students. Online education is one of the fast growing filed on web where users can directly solve problems by visiting website without any help from teachers. This system increases scope of online education and online courses. Online course portal is software developed for student in schools, colleges and institutes to access online course material. The project aims at creating a courses portal for a campus/organization. This allows registered users of the system to join a course available in the site and access the materials published for the course. People can register themselves as students of a course or Faculty for the course. It facilitates to access the information of a particular course. The information is provided by the teacher for a particular course. The purpose of developing software is to computerized the tradition way of taking class **Keywords:** Online quiz, Conducting test, Provide certificate

I. INTRODUCTION

This project is an online portal between students and faculty. This innovative system allows college/institutes faculty to share important data as well as notifications with students. It consists of a faculty login along and student login. Since college/ institutes faculties operate through pc and document/video uploading is simpler through a pc, the faculty login is to be performed using a computer. Faculty may upload their documents of respected subject syllabus, notifications, e-notes etc. through their assigned login. The documents are uploaded by faculties of department to different corresponding departments. The purpose to build this system on an online server that allows faculty to upload data & students may view/search and download the required documents through their computer device. Here students only see and download data of their particular subject. Rest of data is hidden. Faculty may access and upload/edit documents to any subject or add any notice as their desired.

Since the dawn of the 21st century, technology has crept its way into learning and teaching environments. As more technological advancements are made, then there is dire need for increased literacy levels on the use of this technology. Earlier, technology in education was a debatable topic amongst the society. Everyone had their own views on modernizing education and making it technology aided. There were a huge number of positives and negatives to education technology. But, gradually as technology was embraced by the educational institutions, they realized the importance of technology in education. Its positives outnumbered the negatives and now, with technology, education has taken a whole new meaning that it leaves us with no doubt that our educational system has been transformed owing to the ever-advancing technology. Technology and education are a great combination if used together with a right reason and vision.

II. LITERATURE REVIEW

The new course registration system at Tsinghua University was put into use in April 2009. By registering the course voluntarily, the new system improved registration mechanism, implemented course registration of common course for undergraduate and graduate students, and also supported the teaching activities across spring, summer and fall semesters. This paper introduces the design and implementation of the new online course registration system, including registration mechanism, technical architecture, and system design, etc

The online course registration system is the central part of the educational administration system. They did research on registration mechanism before system design. Based on the analysis on some existing registration mechanism, they proposed three operative registration methods: point assignment, willingness and drawing lots. C/S architecture is used to implement administration functionalities. Developing environment is PowerBuild 10.2. B/S: B/S architecture is used to implement all kinds of functionalities for the students and teachers by using JAVA. The framework is based on Spring and Hibernate. It uses MVC structure which separates view, business and model.

The new online course registration system solves the unfair problem caused by drawing lots randomly and performance issues, implements common course registration for both undergraduate and graduate students, supports teaching activities across three semesters including fall, spring and summer. With the spread and realization of the

concept for international education and the coverage of campus wireless network, the system will be continuously improved to support mobile, abroad students.
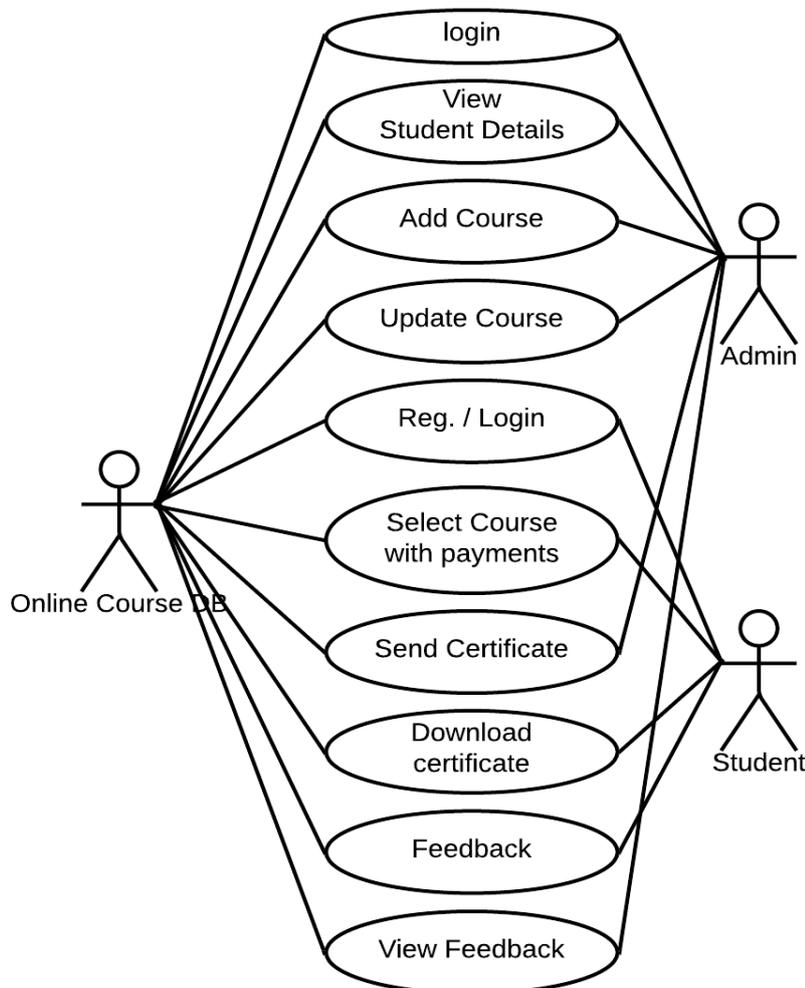
The recommender system presented in this article is based on building a vector space model for massive open online courses (MOOCs). They show that the resulting model can be used to effectively query semantically related courses as well as search for clusters and linear transitions between them.

Vector space model is an algebraic model for representing any objects as vectors, which allows computing similarity of terms as the degree between vectors. The intuition behind these models is that every vector encodes the meaning of the corresponding object and for semantically close terms the similarity measure between their vectors should express high values. The most popular similarity measure for vector space models is cosine similarity , but several others like Euclidean similarity or Jaccard similarity can be used depending on the application and embedding method. These details include title, starting date, provider institution(university, company), provider platform, language, average rating, and textual description.

III. MATERIALS AND METHODS

A use case is a description of how a person who actually uses that process or system will accomplish a goal. It's typically associated with software systems, but can be used in reference to any process.

Figure 1: use case

IV. METHODOLOGY

This project has many features which such as the facility of user login and teacher's login. Also, on the top of all this, there is an admin who will be managing the entire application's authorization and authentication, not any intruder can login and modify the data, as a login for admin is also available
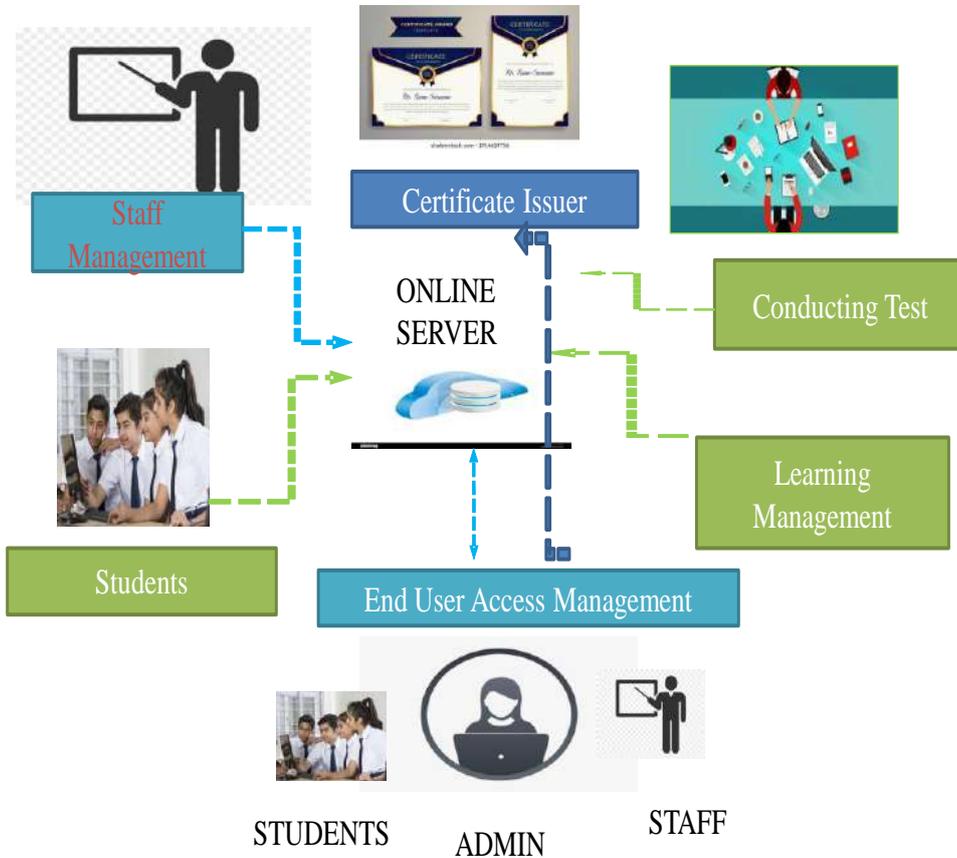
A.   **architecture diagram**

Figure 1: architecture diagram

B.CLASS DIAGRAM

A class diagram is an illustration of the relationships and source code dependencies among classes in the Unified Modeling Language (UML).
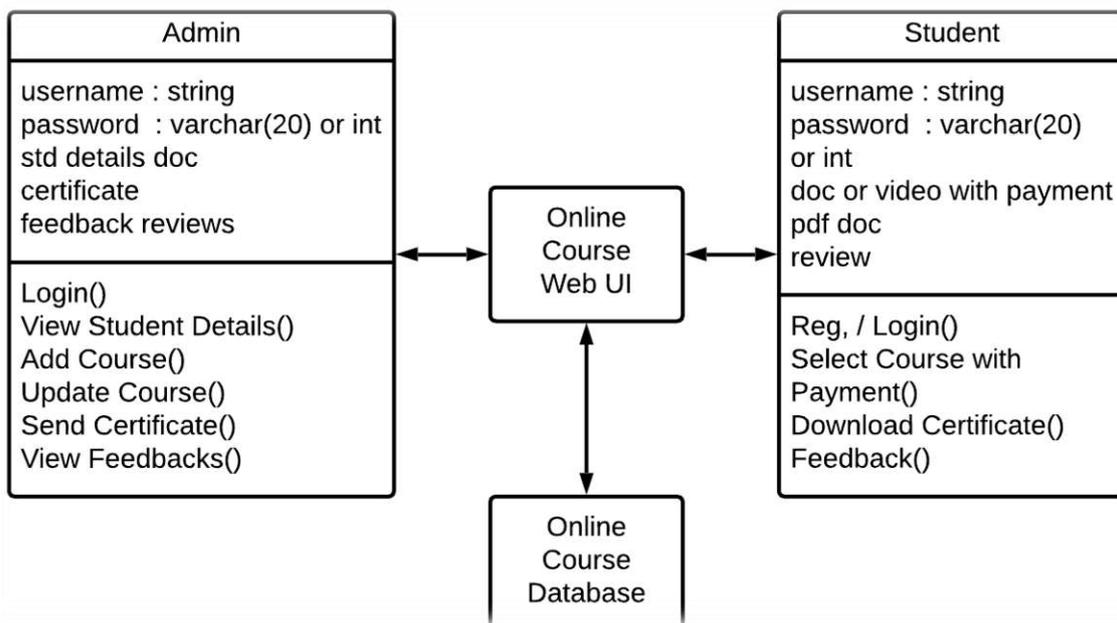

Figure 2 **Class diagram**

✓   **LOGIN:** After getting the login id students can login in this website.

✓   **VIEW STUDENTS' DETAILS:** Admin can view the all registered user details after completion of login process. Student details are retrieved from database and viewed by admin.

✓   **NOTES SENDING:** . If user select the specified course into these application after that these application displays the hole detail about the current course information

✓   **APPROVE LEAVE:** The user can admit their queries and feedback to the admin through this module, from which the admin can enhance the system with better efficiency.

✓   **INTERNAL&EXTERNAL RESULT:** After complete the course admin sends the certificate. Student can received and download the certificate after complete the course.

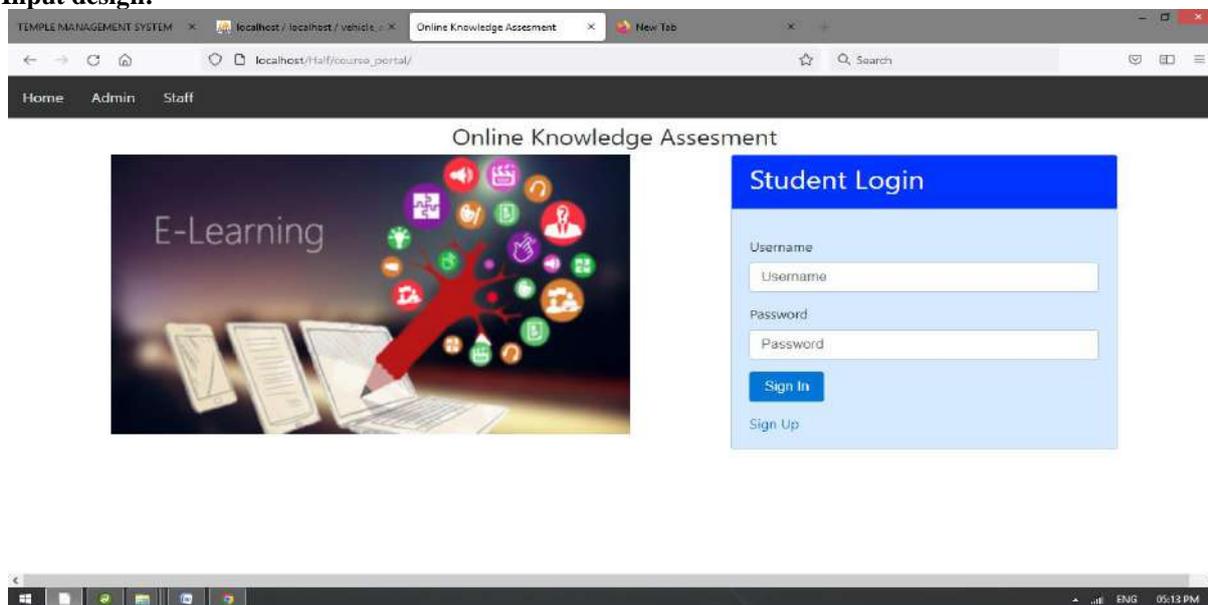## C. Implementation
I]. Input design:

Figure 2: HOME PAGE

A certificate program is a specialized education designed to develop or strengthen specific career skills. A certificate program is considered continuing education in some cases because it builds on your knowledge of a particular career or industry.

```php
<?php
session_start();
include("include/dbconnect.php");
extract($_REQUEST);
$uname=$_SESSION['uname'];

$q1=mysql_query("select * from cw_student where uname='$uname'");
$r1=mysql_fetch_array($q1);
$photo=$uname.".jpg";
?>
<!DOCTYPE html>
<html>
<head>
<title><?php include("include/title.php"); ?></title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<style>
body {margin:0;font-family:Arial}

.topnav {
 overflow: hidden;
 background-color: #333;
}
```

Figure 3: coding

II]. Output:

In the future, we enhance this course selection method to filter the applicants using their best course. The system will automatically take courses information and give ideas regarding their qualification. And also create this project in android application. Using this application all students can know the college details easily. This will help students and parents.

Figure 4: Output

V. RESULTS

A. Pseudo Code/Sequence of Micro Operation/Flowcharts

```php
 <?php
session_start();
include("include/dbconnect.php");
extract($_REQUEST);
if(isset($btn))
{
$qry = "select * from ee_admin where username='$uname' && password='$pass'";
if($num==1)
{
 //mysql_query("update ee_admin set otp='$otp',sms_st=1 where username='admin'");
header("location:admin.php");
}
else
{
$msg="Username or Password wrong!";
}
}
?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<title><?php include("include/title.php"); ?></title>
<link rel="shortcut icon" href="img/icon.ico">
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<link rel="shortcut icon" href="favicon.ico">
<body>
<?php include("include/link_home.php"); ?>
<div class="panel panel-default">
<div class="panel-heading" align="center"><!--<img src="img/header.jpg" width="1060" height="276" />--></div>
<div class="panel-body">
```

```
<h3 align="center"></h3>
</div>
</div>
<!--start content area-->
<div class="row">
<div class="card-header d-flex align-items-center">
<h2 class="h5 display display">
<h2>Admin </h2>
</h2>
</div>
<div class="card-block">
<p></p>
<form name="name" method="post">
<div class="form-group">
on small screens -->
</div>
</div>
</body>
</html>
```
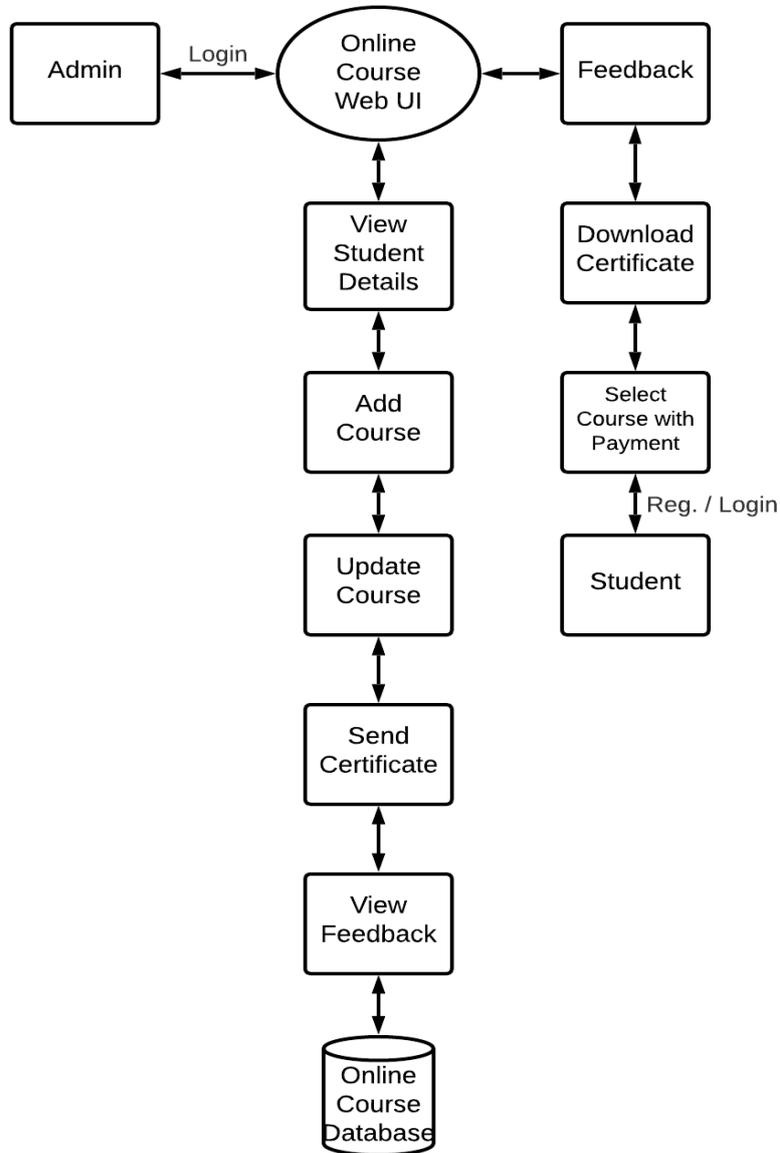

Figure 5: Flow Chart

B. Development Process for the Procurement System

The objective of our project is to develop a deep understanding of what students know, understand and can do with their knowledge and to gather relevant information about student performance or progress or to determine student interests to make judgments about their learning process.

VI CONCLUSION

Today's education scenario is rapidly changing and demanding. The system demands greater levels of communication between college, student and faculty members to have optimum use of resources. Today's industry talent demands are soaring with more and more skills requirements in all fields. Colleges and institutions generating creative students' needs focused approach on such talents and industries so as avail best of benefits to their candidates passing out. In this project, a web application is created for get ideas about the best course selection details. Using this application user can know about best course information. Help of these application, easy to know the information about the best analysis of courses. Learning is becoming more popular day after day due to the rapid technological advancements made especially in ICT. Disappointedly, the under-developed countries are yet to implement e-learning effectively, for the acquisition of education, knowledge, skills and training. This is partly because of the inadequacy of the required infrastructure and the improper attention given to its impact.

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