ONLINE QUIZ MANAGEMENT SYSTEM


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Abstract: An Engineering College is a combination of many complex problems. Without an automation portal, there will be a lot of manual work that takes a lot of effort, time and massive calculations. The proposed system would reduce all the manual work in outcome-based education.

IndexTerms – Automation, online quiz management system.

I. INTRODUCTION

College Administrative System [1] is an essential component of outcome-based education. with the help of the online quiz management system which is implemented in our college administrative system, the student can easily access the quiz through their college web portal (web portal [2] [3] [4]). This system has a rich user-friendly interface and can be used by everyone with a minimum knowledge of computers. In this system, the performance of both students and staff can be analyzed and viewed by the admin, i.e., Principal and Head of Departments.

II. Literature Survey

Existing System

Currently, all these activities are done manually by the staff or faculty.

- Whenever faculty need to conduct the quiz to students, they will conduct the quiz either by using papers or depending on an external source system like Moodle.
- A paper-based quiz consumes more amount of time and manpower to set the question paper.
- If we use an external source system, its server might get overloaded and students have to wait until the server gets clear by the overload.

There are some drawbacks to the existing system, they are:

- It involves a lot of manual calculations which may result in wrong outcomes.
- It consumes a lot of time.
- May result in loss of data.
- There is a high chance of misplacement of details.

Proposed System

To overcome these problems, we have developed the College Administrative System (CAS), where all the work has been made easier. This system includes all the major components of the College Administration such as admissions, marks, timetables & attendance, exam schedules, invigilation & remunerations, alumni, etc., Using this system, most of the work can be done easily.

To develop the propose system we have HTMLCSS, Java Script, java, Boot Strap. “HTML” is used to develop the web pages. And “CSS” is used the decoration of the HTML pages, “Java Script & Java ” are used to develop the code in the webpages and finally we used the “Boot strap” for the text editor which developed in our proposed System.

Now, we want to add one additional functionality like Online Quiz Module.

As it is being developed on our college server, the students of our college can write the quizzes according to the given schedule through the college administrative system. Also, there is no need for paperwork to do, it saves a lot of time. And the results will be automatically calculated by the project developed. Various types of reports like section-wise marks reports, branch-wise marks reports, year-wise marks reports will be generated automatically for the faculty/HOD/Principal.

We can use the excel to prepare the question paper and we can directly upload the excel sheet directly with single click, then all the students of the particular section can access the quiz and their result are stored in database.
III. Online Quiz Management System

In the online quiz module, the faculty will prepare or upload the question paper in our college administrative system, so that students' quizzes form the college administrative systems through their logins. Meanwhile, the faculty can perform several tasks on the uploaded questions. These tasks are listed below:

- **Upload of Question Paper**: Here the faculty will upload an Excel sheet or prepare questions in the module using the text editor. These questions will be uploaded to the database maintained by our college.
- **View Question Paper**: Here we can view the uploaded question paper for confirmation purposes or to check the questions that have been uploaded.
- **Edit Questions**: Here we can edit the question we want to edit. We can make corrections to the question paper or edit the question we want to edit.
- **Delete Questions**: Here we can delete questions. We have two options here: to delete all the questions or to delete a single question.

So, these tasks are done by the faculty while uploading the question paper. The faculty will provide the total marks, time limit for the exam and start & end dates of the exam. When it comes to students, they will just login to the college administrative system. By providing subject details and academic details, they attempt their quizzes. Their marks will be stored in the database, and students can attempt the quiz only once. The questions randomly generated for everyone. After attempting the quiz, students can see their overall score and their bit-wise scores.

IV. Result

**UPLOADING THE QUESTION PAPER**

**UPLOADING THE QUESTION PAPER THROUGH EXCEL FILE**

**AFTER UPLOADING QUESTION PAPER**

**UPLOADING THE QUESTION PAPER THROUGH TEXT EDITOR**

**VIEW THE QUESTION PAPER**
EDITING THE QUESTION PAPER

DELETE QUESTION PAPER

AFTER DELETE OF QUESTION PAPER

STUDENT ACCESS THE QUIZ
V. Conclusion
This paper assists in automating the existing manual system. This is a paperless work. It can be monitored and controlled remotely. It reduces the manpower required and provides accurate information. Malpractice can be reduced. All years together gathered information can be saved and can be accessed at any time. Therefore, the data stored in the repository helps in taking decision by management. So, it is better to have a Web Based system. All the stakeholders, faculty and management can get the required information without delay. This system is essential in the colleges and universities.

REFERENCES
[3]. Marjan Mansourvar, NorizanMohdYasin, (2010), Web portal as a Knowledge Management System in the Universities, World Academy of Science, Engineering and Technology