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 the our college administrative system.so that student their quizzes form the college administrative systems through their logins. Mean while the faculty can perform several tasks on the uploaded questions. That task are listed below.

- **Upload of Question Paper**: Here the faculty will upload a excel sheet or they can prepare the questions in module using the text editor. And these questions will be uploaded to the database which is maintained by our college.
- **View Question Paper**: Here we can view the uploaded question paper. for the confirmation purpose or to check the question what they have uploaded.
- **Edit Questions:** Here we can edit the question which we want to edit. we can make the corrections to the question paper or we can edit the question that we want to edit.
- **Delete Questions:** Here we can delete the questions, we have to two options here one is to delete all the question and another one is to delete the single question.

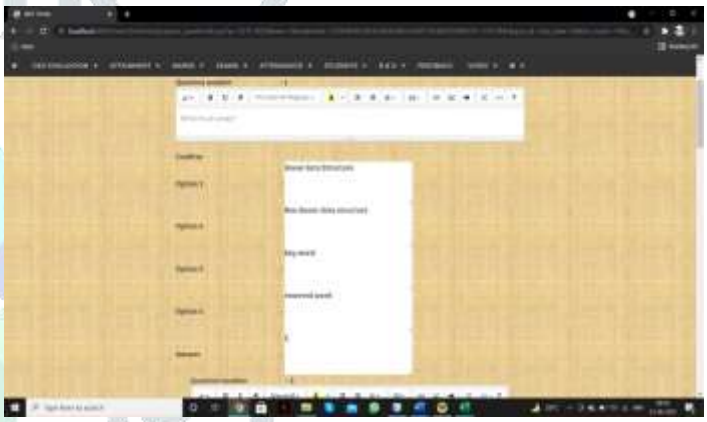
So, those are task done by the faculty, while uploading the question paper the faculty will provide the total marks, time limit for exam and start & end date of the exam. When it comes to students, the students will only juts login to the college administrative system. By giving the subject details and academic details they attempt their quiz. Their marks will be stored in the data base, student can attempt the only one time. and for the student the questions randomly generated to everyone. After attempt the quiz they can see their over score and the bits wise score.

IV. Result

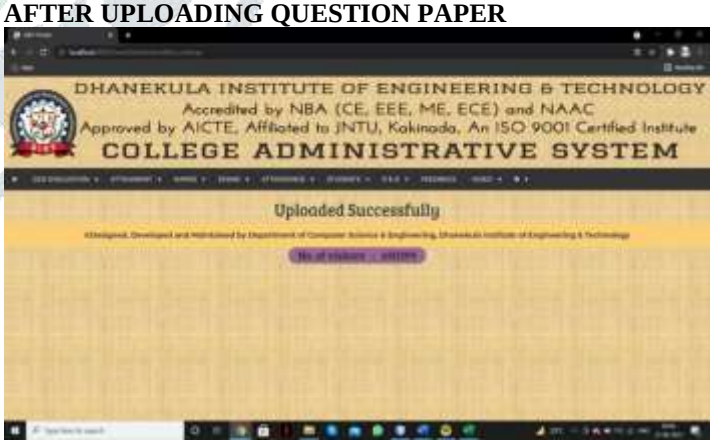
UPLOADING THE QUESTION PAPER

UPLOADING THE QUESTION PAPER THROUGH EXCEL FILE

UPLOADING THE QUESTION PAPER THROUGH TEXT EDITOR

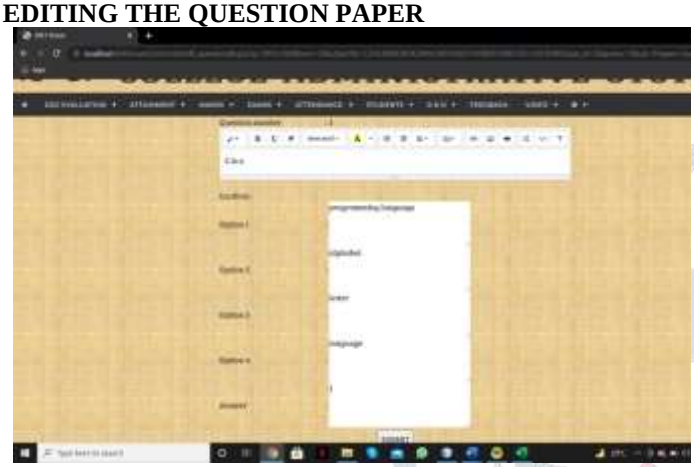


AFTER UPLOADING QUESTION PAPER

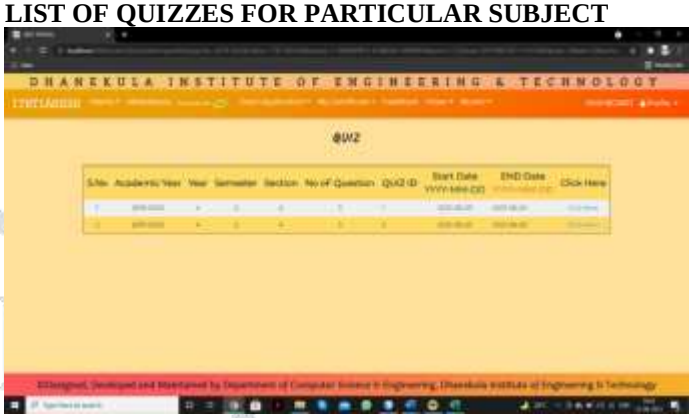


VIEW THE QUESTION PAPER

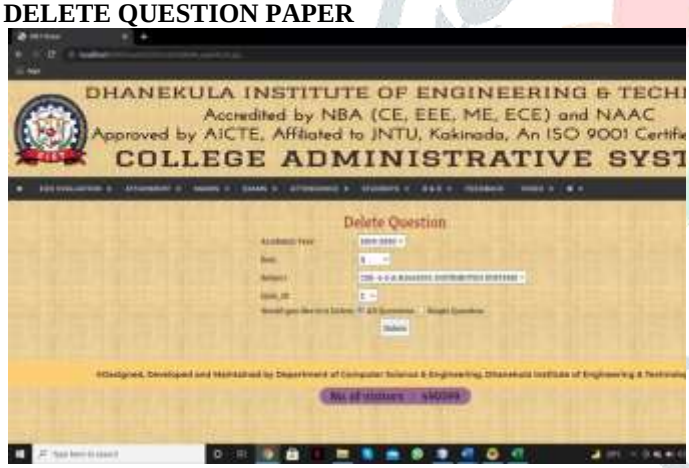
EDITING THE QUESTION PAPER



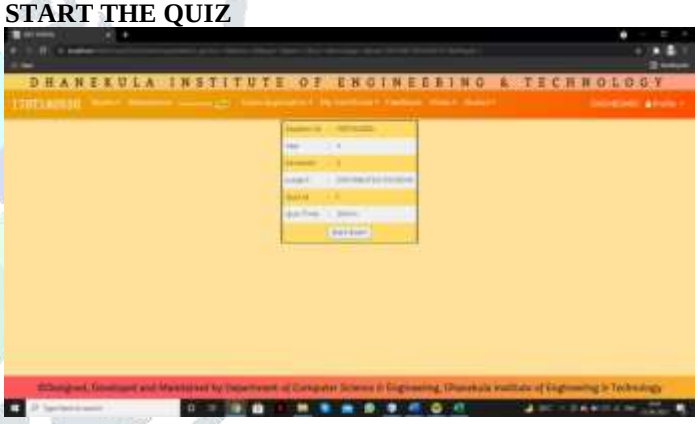
LIST OF QUIZZES FOR PARTICULAR SUBJECT



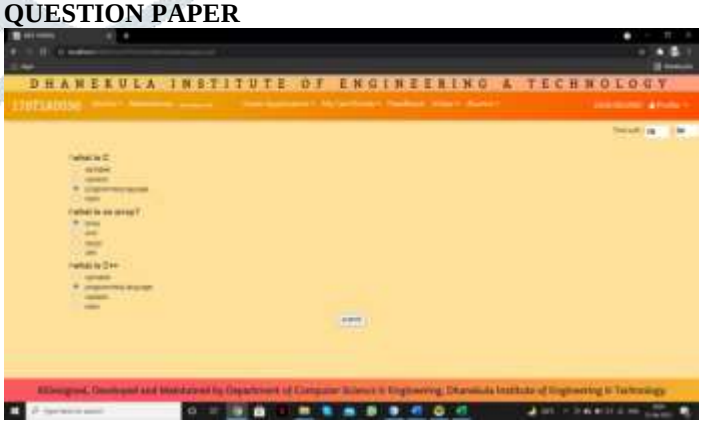
DELETE QUESTION PAPER



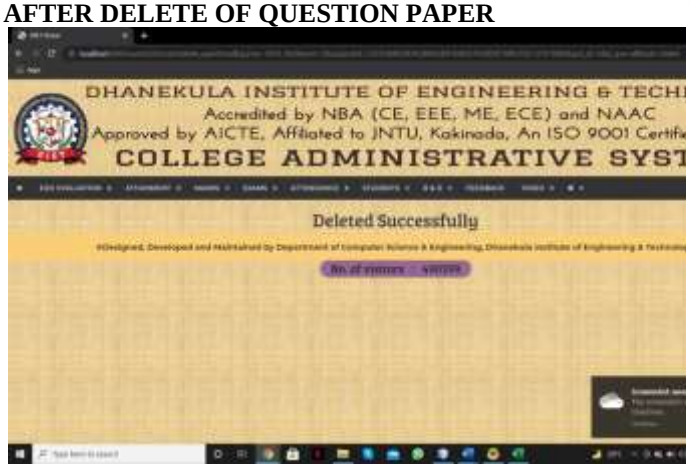
START THE QUIZ



QUESTION PAPER

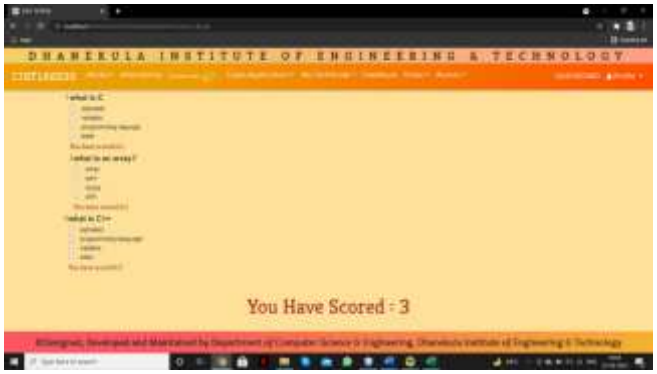


AFTER DELETE OF QUESTION PAPER



STUDENT ACESS THE QUIZ

SCORE OF STUDENT



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.

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REFERENCES

[1]. College Administrative System. International Research Journal of Engineering and Technology (IRJET) web portal Volume: 07 Issue: 03 | Mar 2020, e-ISSN: 2395- 0056, p-ISSN: 2395-0072

[2]. Usability.gov. (n.d.).What does usability measure. Retrieved September 2, 2012, from: http://www.usability.gov/basics/index.html.

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

[4]. Tate, M., Evermann, J., Hope, B. & Barnes, S.2009. Stakeholder Expectations of Service Quality in a University Web Portal. Self-Service in the Internet Age, 1-21.

[5]. Gateways to portals research. International Journal of web portals, 1(1), 1–15.

[6]. Sulaiman, N. & Burke, M. 2009. A case analysis of knowledge sharing implementation and job searching in Malaysia. International Journal of Information Management.

[7]. Telang, R. &Mukhopadhyay, T.2005. Drivers of Web portal use. Electronic Commerce research and applications, 4, 49- 65.

[8]. Maedche, A., Motik, B., Stojanovic, L., Studer, R. &Volz, R. 2003. Ontologies for enterprise knowledge management.IEEE Intelligent Systems, 26-33