



DESIGN AND DEVELOPMENT OF ONLINE EXAMINATION SYSTEM FOR NIT CAMPUS

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Abstract: This paper deals with online examination system is an internet test system that enables users to require online test and automatically generates the results supported answer marked by users. It also needed less manpower to handle the examination. Most organizations today, are managing their exams by online examination systems. The system is to be used for various online tests conducted by other schools, colleges and other institutions. The system is to be taking online and find instant results. This method is additionally helpful for diminishing the necessity for paper. The system also helps the tutorial institutions your monitor their students and keep eyes on their progress. The system is intended currently for a few subjects. It also consists of an admin module. The admin module ends up in admin dashboard allows admin to feature new questions into system together with 4 options and 1 right answer. So, now whenever user registers he/she may then login using registered username password. The user is now allowed to grant a test from any chosen subjects as desired. On choosing an issue the test starts and user may now tick desired answers within the closing date. After the time ends the system goes to the result page and shows user scores to him/her.

Index Terms - Learning objectives, MCQ Test, Question Paper, Question Repository, Answer Selection

I. INTRODUCTION

Online examination system could also be a web-based examination system where examinations are given online. Either through the online or intranet using automatic processing system. the foremost goal of this online examination system is to effectively evaluate the scholar thoroughly through a really automated system that not only reduce the required time but also obtain fast and accurate results. the online objective exam system can be an internet test system that allows users to wish online tests and automatically generates results supported answers marked by users. The system is to be used for various online tests conducted by schools colleges and other institutions. The system can be an internet application that can be accustomed take tests online and find instant results. The system is meant currently for 8 subjects. It also consists of an admin module. The admin module finally ends up in admin dashboard which is accessible through admin login. The admin dashboard allows admin to feature new questions into system along with 4 options and 1 right answer. The admin may also set the time in minutes for every subject and number of questions. So now whenever user registers he may then login using registered username password. The user is now allowed to give a test from any 8 subjects as desired. On choosing a subject the test starts and user may now tick desired answers within the time limit. After the time ends the system goes to the result page and shows users score to him.

Today, online examination system is considered a fast developing examination method. Because of its accuracy and speed. It also needed less manpower to handle the examination. According to today requirements online examination system is significantly important to the educational institutes to prepare the exam. It also helps for saving the time and effort that is required to check the exam papers and prepare result reports. Now a day's almost many organizations are managing their exam by online examination system, since it reduce student time in examinations. The administration has all authority to keep track of all the records and make any changes at anytime. The main goal of online examination system is to replace the manual works.

II. PROBLEM STATEMENT

In present system all report work is done manually at the petrol pump. Admin user have to check each petrol pump in city to buy petrol, but in our proposed system user can check availability petrol from his monitor by clicking on some available button. This system also keeps records of user. Admin can also check which pump available how much petrol and what amount he submitted to accountant at the end of the day. Admin can also check how much oil availability in one day. This system also helps admin to generate the record of each pump on the basis of his position and working hour.

III. LITERATURE SURVEY

The whole process of assigning test and evaluating their scores after the test, was done manually till date. Processing the test paper i.e. checking and distributing respective scores won't to take time when the software wasn't installed. the full process of assigning test and evaluating their scores after the test, was done manually till date. Processing the test paper i.e. checking and distributing respective scores won't to take time when the software wasn't installed.

Here are the some papers which we have referred for our project.

Author	Title of the paper	Publications	Methodology	Limitations
Mayuri Bankar , Pranjal Bhalerao , Pratiksha Bhor , Prof. A. K. Dere	Survey On Question Paper Generation For Online MCQ Test	November 2017	Search engine technique, Shuffling algorithm	While giving demo test there is no need to do login for student.
Vardaan Mittal , Jatin Patwa , Mukul Dabi , Rishi Raj Somani	A New Approach to E-Learning (E- Web Class)	5 May 2017	HTML, CSS, Javascript, php, mysql	It is not a web application.
Muna R. Hameed, Firas.A.Abdul latif	Online Examination System	3 March 2017	Mysql, php	The proposed system is quite difficult to understand.
Bagwan Khajabhai , Bhosale Yogesh, Narute Anil D. and Dhotre Virendrakumar	Online Examination System e- Examination	June 2016	Mysql, php	These web application provides facility to take online examination world wide.

fig: literature review

IV. SYSTEM OVERVIEW

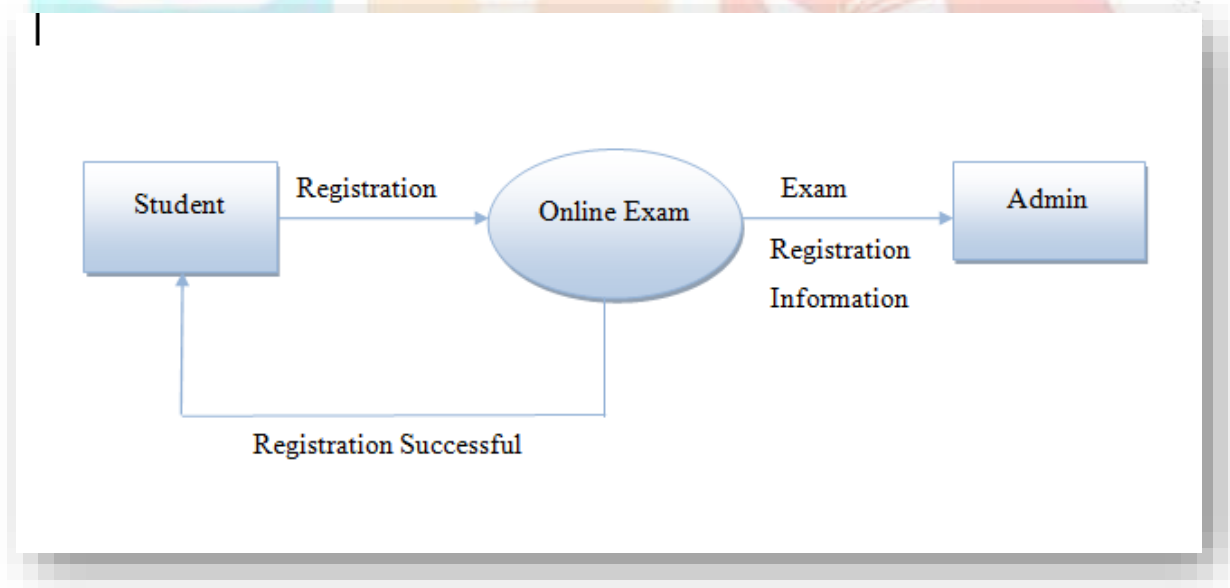


fig: level 0

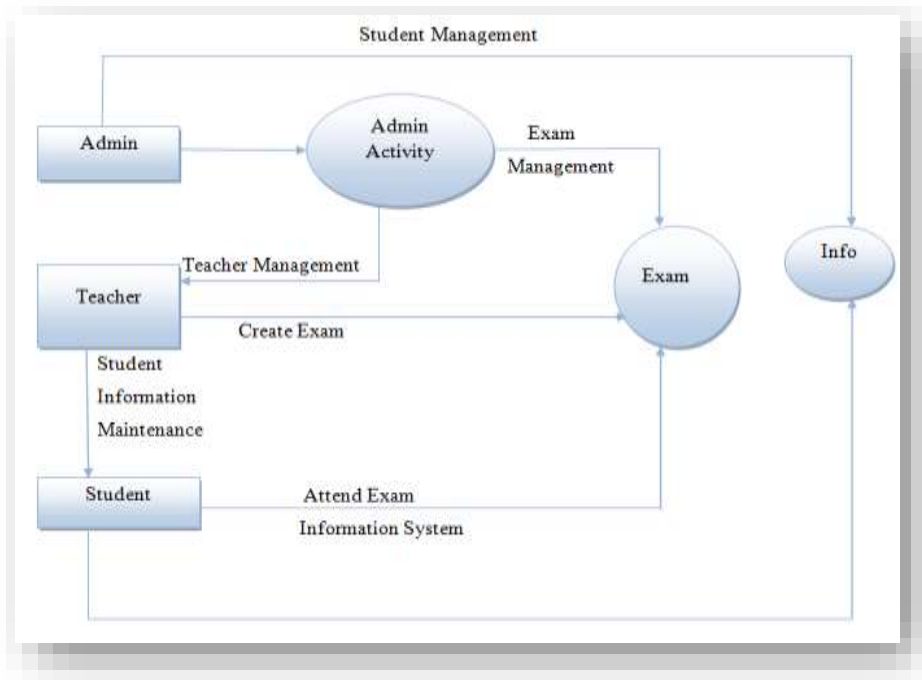


fig: level 1

Exam Module: -

Examination process:-

- Login to the online examination system.
- Attend test
- Submit

The form of question in test page:-

- Multiple choice questions.
- The questions are selected at random.

Student Aspect:-

- Requesting registration.
- Logging into the system.
- Edit the user information.
- Selecting the test.
- Appearing for the examination.
- Printing the result at the end of the examination.
- Reviewing the given responses

Administration Aspect:-

- Taking backup of the database.
- Editing/Deleting/Creating the database.
- Changing the password.
- Logging into the system.
- Accepting registration of candidates.
- Crating a test.
- Posting question in the above test.
- Posting multiple options to respective question.
- Marking correct answer within the given options.
- Time limit of the test if any.
- Whether to randomize the questions.
- Set negative marks for wrong responses.

V. ENTITY RELATIONSHIP DIAGRAM

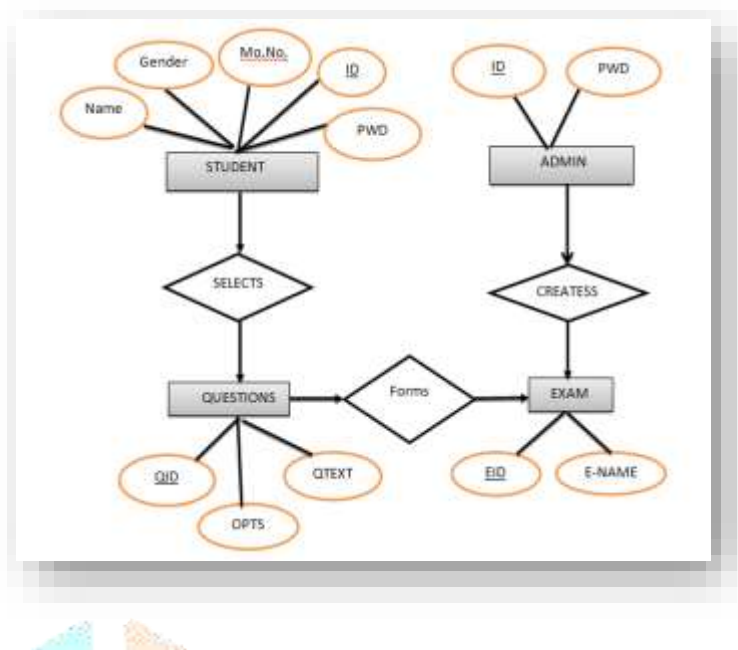


fig: er diagram

The ER (Entity Relationship) Diagram represent the model of online examination system entity. This diagram shows all the visual instrument of database tables and therefore the relations between examination, students, Teachers etc. it's accustomed structure data and to define the connection between structured data groups of online examination system functionalities. the most entities of online examination system are students/user, Admin, Examination, Teachers.

VI. METHODOLOGY

The aim of this online examinations system is to check and measures the talents of candidate deeply within a limited period. The peculiarity of this online examination with conventional examination is: within the conventional examination a student can pass whether or not he/she studied only the chosen important portions of the syllabus. The examiner cannot override this predefine weight age criteria while preparing the questions. So during this form of examination the coed who is passed within the exam might not have the deep knowledge about the subject. But within the proposed form of examination the coed are passed provided that he has covered the syllabus in deep. The examination begins with registration of scholars. During registration a novel password should be seat to all or any the coed due which they don't should register for exam after they should give exam. Registration is completed by filling up the registration form. Subjects also are selected during registration. The results are displayed at the tip of examination.

Work Method:-

The present system is manual system which includes different sub modules. The exam module includes different modules: login, attend test, and submit. The "visual" part in visual basic refers to the strategy use to form the graphical program. The coed registration for online examination and also the student get the register information after there registration and a message from admin that you simply have successfully register for the exam.

VII. FUTURE SCOPE

➤ Reusability:-

Reusability is feasible as and after we require during this application. we are able to update it next version. Reusable software reduces design, coding and testing cost by amortizing effort over several designs.

➤ Extensibility:-

This software is extended in ways in which its original developers might not expect. The Following principles enhance extensibility like hide arrangement, avoid traversing multiple links or methods, avoid case statement on object type and distinguish public and personal operations.

➤ Understand ability:

A method is understandable if someone aside from the creator of the strategy can understand the code. We use the strategy with small and coherent helps to accomplish this.

➤ **Cost-effectiveness:-**

Its cost is under the budget and make within given Its cost is under the budget and make within given fundamental quantity. It's desirable to aim for a system with a minimum cost subject to the condition that's most satisfy all the wants may be rectified easily.

VIII. CONCLUSION

The conclusions of this study suggest that knowledge of specific domain improves the results. This Project has been implemented on web application. The key concept is to attenuate the amount of paper and convert all types of documentation to digital form. It can observe that the knowledge required are often obtained with ease and accuracy within the computerized system. The user with minimum knowledge about computer are often able operate the system easily. The system also produces brief result required by the management.

IX. REFERENCES

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