

Online Examination System

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Abstract— This Online Examination System is a Software Solution which allow any industry or Institute to arrange conduct and manage examination via an online environment. It can be done though the Internet/ Internet and /Local area Network environment System are the delays occurred in result Processing filling poses a problem, filtering of records is difficult. The change of loss of record is high also record searching is difficult. Maintenance of the system is also very difficult and takes lot of time and effort. Online Examination is one of crucial parts for online education system. It is efficient fast enough and reduces the large amount of material resource. An examination system is developed based on the web. This Paper describes the principle of the system, presents the main function of the system, analyzes the auto-generating test paper algorithm, discusses the security of the system. Online Examination System is an on-line test simulator is to take online examination, test in an efficient manner and no time wasting for manually checking of the test paper. The main objective of this web based online examination system is to efficiently evaluate the student thoroughly a fully automated system that not only saves lot of time but also given fast and accurate result. For student they give papers according to their convenience from any location by using internet and time there is no need of using extra thing like paper, pen etc. Online examination system helps student to offer a quick and easy way to appear for the test. It also provides the result immediately after the examination with 100% accuracy and security. Student can enter to perform exam only with their valid username and password. This examination contains multiple choice question and appropriate number of options.

Keywords: Online Examination

I. INTRODUCTION

We will discuss about this project definition, Motivation, Need of project, Objective, Importance of project, Application and Limitation of project .Online examination is an education website, which test the knowledge of student and helps them in improving it. It provides mostly objective questions and their solutions. It includes different-different courses like GATE, IIT-JEE, UPSE, MPSC, SSC and so on. All the important question are covered in it, so that student will prepare through it. The motivation for online examination comes from the day to day increase of competitive exams and the participation of student in it. Therefore online examination provide a platform through with the student can learn or trained by their selves for any competitive exam.

A. Need of project:

The need of project is to test their self and get result. By login to their profile they can select their desire course and perform the test in that. This will be beneficial for the student and they

get the idea about how would be the questions are asked in different competitive exam.

B. Objective:

- 1) The main objective of this project is to Trained the student for different competitive exam.
- 2) The online examination is a web based application which is useful all over the education and corporate sector.
- 3) Being a coordinated online examination framework it will decrease paper work.
- 4) Answer with explanation for all the questions are given.

C. Importance of project:

- 1) Online examination given a high level of transparency as opposed to the traditional method.
- 2) It provides security and confidentiality.
- 3) It is easily accessible and flexible in use.
- 4) Marking of the test. Marking is the ultimate stage in any examination as it determines the success or failure of the student.
- 5) Online examination make use of computer that helps in saving time, with the widespread availability of computers and internet.

D. Application:

- 1) Online examination provides facility to each user/student to create their account using An unique id/ email.
- 2) The student can select desire course and prepared for it by performing tests in it.
- 3) Result will be displayed after each test, so that the student will evaluate their knowledge.
- 4) Admin panel is also provided and the admin will add courses and question for the user.
- 5) The user /student can also send feed backs regarding with their experience here though the contact us window.

E. Limitations:

Unregistered user can only access the home page not anything else. Only objective question are included, subjective question are not included. Each time after login, the student have to select the course. Requires high speed internet, without it students will not be able to give the test.

II. ONLINE EXAMINATION SYSTEM

This project intent to ease the strategy for testing the student's execution and enhance it as need be by monitor their change. This can be utilized by little foundations like educational cost classes or classes where understudies are prepared for competitive exams. This can be utilized by anybody to make a test and anybody can take those effortlessly. It includes 3 main parts as question management, Quiz generation and test online.

A. Question Management

The functions of this module were querying, adding deleting, and modifying the question.

B. Quiz Generating

The function of this module was random generation of exam quiz according to specified requirements. It was the core function of online examination system. The system randomly extracts questions from the question database in accordance with three restrictions, including question type, difficulty and chapter to generate an exam paper. The teacher can generate custom question sets too which will let them test the student in specific topics.

III. REQUIREMENT

The feasibility study of any system is mainly intended to study and analyze the proposed system and to decide whether the system under consideration will be viable or not after implementation. That is it determines the usability of the project after deployment. To come to result a set of query is answered keeping the efficiency of the software and its impact on the domain for which it was developed. Its main emphasis is on the following three questions elucidated below as:

What are the user's requirements and how does a candidate system meet them? What resources are available for the proposed system? Is it worth solving the problem?

What is the likely impact of the proposed system on the organization? I.e. how does the proposed system fit within the organization?

Thus since the feasibility study may lead to commitment of large resources, it becomes necessary that it should be conducted competently and no fundamental errors of judgment are made. Different types of Feasibility study and the way we performed on our project "On Line Examination".

In technical feasibility, we study all technical issues regarding the proposed system. It is mainly concerned with the specifications of the equipment and the software, which successfully satisfies the end-user's requirement. The technical need of the system may vary accordingly but include:

- 1) The feasibility to produce output in a given time.
- 2) Response time under certain volume of the transaction at a particular speed.
- 3) Ability to communicate data under this analysis process questions like
 - a) does the compatible platform exist within our domain or can we procure it?
 - b) Does the proposed equipment have the technical capacity to hold the data required using the new system?

Both at the development site and at server where we will be hiring the space for the website and also the database would it be possible to upgrade the system after it is developed and implemented, if necessary and would the recommended technology guarantee the reliability, accuracy and data security this analysis process requires more emphasis on system configuration given more importance rather than the actual hardware specification.

IV. PROPOSED SYSTEM

The modern computerized system is developed with the aim to overcome the drawbacks of existing manual system. We have studied manual examination system of ABC College and identified possible automation.

The proposed system has got many advantages. People from different parts of the world can register very easily. The new system is more personalized. It is made in such a manner that all the new users can understand all the options in it very easily. It is made in quick and easy referential manner. Access to all important matters are not always locked and can be opened easily at the time of urgency. The advantages of proposed system are that security is maintained in the new system. Securities for all important data are maintained confidentially as it is easily understandable and user friendly quick entries can be made in this system

- 1) Provides complete online web based solution, including student registration giving tests, storing of result.
- 2) Complete web based administration, administration can manage examination and question bank from web interface
- 3) No geographical boundary
- 4) Student can give examination from anywhere of the world by 24.7 100% accuracy in result calculation Randomization of question set.

V. ADVANTAGES

- 1) It saves paper you never have to print an exam for your student and hand them out.
- 2) It saves time you can setup an exam in such a way that it will auto-grade itself.
- 3) It saves more time the distribution of the exam doesn't take you any time.
- 4) It saves your money you don't need to buy any paper.
- 5) It's more secure you can make a big Question bank with a lot of questions.

VI. DISADVANTAGES

- 1) You have to keep in mind that your student will take the exam on their own device in their own time with nobody to check up on them, so you have to alter your question to provide for this situation.
- 2) Open text questions are possible, but they don't auto-grade, so you have to check them yourself.
- 3) An online exam system is a little bit more susceptible for fraud. So you have to keep that in mind if you setup your exam.

VII. CONCLUSION

The online examination provides facility to prepare for different competitive exam by performing the test in related courses. The result will be auto generated after finishing the test, so no need to wait for the result. It also saves time as it allows number of user/student to give the test at a time. Therefore it is very helpful for the users. The admin will add courses and questions related to them and can also delete or modify them. Online exam system is a user friendly system, which is very easy and convenient to use. The system is complete in the sense that it is operational and it is tested by

entering data and getting the reports in proper order. But there is always a scope for improvement and enhancement

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