

Importance of Online Examination System in India

Dipali Rangat¹, Preeti Singh², Sahera Jamadar³, Shruti Salunke⁴, Prof. Pragati Chavan⁵

^{1,2,3,4} Student, Computer Engineering, Marathwada Mitra Mandal Polytechnic, Maharashtra, India

⁵ Professor., Computer Engineering, Marathwada Mitra Mandal's Polytechnic, Maharashtra, India

ABSTRACT

Online examination was developed to examine the student's technical knowledge. Due to increasing in industry online examination came into existence for example like Aptitude test or placement purpose. In online examination students are available with one question and more than two answers, students are independent to choose their answer. In online examination system makes the result available at minimum time. The results are more accurate.

Keyword : - Online examination, Aptitude, computerized examination, education system.

1. INTRODUCTION

Online examination is efficiently used in day to day life because it saves time and also it is most accurate system as maximum participants are increasing in today's life. Online examinations are available with instruction and guidelines so that students can understand properly. It is necessary for every technical student to have basic knowledge of online examination system. All the entrance exams are held online because of its fast and accurate marking scheme. Online examination is more flexible than written examination. It is basically design to promote the variation in education system. Due to online examination there is less chance of losing integrity of exam pattern. For e.g. it is least possible for disposing the online examination setup when compared with other examination system.

2. FUNCTIONS OF ONLINE EXAMINATION SYSTEM

2.1 Examination Management

The task of this examination management is questioning, appending, removing and updating the questions.

2.2 Origination of paper

The task of originating the paper randomly to acquire its particular need. It is the basic purpose of online examination system. Here the structure of paper was placed by score and number of questions which delegate a paper. There are many types of questions for example like multiple choices, true or false etc. The structure of paper can be freely set by user according to its needs. After selecting the structure of paper the further steps of paper generating and outputting takes place.

2.3 Online Analysis

This is used by students to check online test by selecting a paper randomly or use of paper assigned by teacher or within the network of campus and also by understanding the instructing levels.

3. LITERATURE ANALYSIS

The entire process of allocating test and analyzing their scores after the test was operated manually for example examining test and distributing score which used to take a lot of time when online examination was not in existence. To take written exam of number of students we need more invigilators to watch examination candidates for the purpose of reducing or preventing cheating.

It is developed for reducing large number of relevant resources. Online Examination System is developed base on web and network. It recognizes the concept of design system that characterizes the main purpose of the system, examining the algorithm of creating question paper and also about the security of the system. The method of online examination was for important activities like to evaluate performance of student in existing institutes.

The exam question quality of online examination will regulate or decide the quality of students growing in the institutes. Present technologies as familiar with advanced techniques like adding question bank in database. It also helps to originate or generate the different questions in sets without repeating and reducing the duplication of questions. Online Examination System characterize the use of shuffling algorithm is a Generator Question System (GQS) as one of the techniques used to overcome randomization issues of collecting sets of exam paper.

4. ADVANTAGES OF ONLINE EXMINATION SYSTEM

- Online Examination System is a computerized system which gives instant results and also saves time.
- It fully automates the previous manual process of taking written exams.
- It is implemented by web based online examination software or through Intranet variance .It decreases the need of supervision during the exam is being examine or taken using web based Online Examination System gives a high level of clarity as opposite of traditional method. Most of Online Examination System gives the result and instantly
- In high school, Online Examination
- System is able to reduce the workload of teachers by using automated test paper exams and marking schemes.
- Students can study independently for example at home or any place.
- The amount of time given at a particular question gives you the ability of “Quick Learning Quick Thinking“.
- The data in Online Examination System is regenerated repeatedly so that students have access to new data.

5. DISADVANTAGES OF ONLINE EXAMINATION SYSTEM

- The question and answers may be tricky and confusing as there are multiple choices for answers.
- Lack of interaction between the teacher and student.
- Network problems may arise in Online Examination System, test may be postponed or cancel.

- As India is not a fully developed country problem may arise in rural areas where there is deficiency of computers or where computers are not yet discovered.
- Hackers can easily manage to achieve confidential data through fake online application or websites.
- While attempting online exams we can easily manage to open another window on existing computer.
- Teaching techniques of an instructor or teacher may vary from online exam questions.

6. FUTURE SCOPE OF ONLINE EXAMINATION SYSTEM

Online Examination System is widely used as compared to other exams .Online examination system can be used in private institutes as well as educational institution. As it is user friendly web base application it can be used anywhere and anytime.

Every software may have some cases of bugs, errors, security related problems or system faults. There are many problems or system faults for example; computer collapse or crashes due to power supply problem will invalidate efforts of number of students. There are large numbers of chances in which software may produce wrong results or may display invalid data. These bugs must be identified and solved for improving quality of software. So in future we can develop more secure software by using advanced technologies.

7. GOALS AND OBJECTIVES

- Online Examination System reduces the amount of restless job of evaluating the answers given manually by the candidates.
- Reduces paper work.
- Creates tests and answer keys.
- Online Examination provides grading which can be recorded as per its test.

8. CONCLUSIONS

Online Examination System is significantly superior among the other exams. We have come to result that the problems can be solved by introducing new security systems using biometrics, we can identify the student's true identity by analyzing digital signature or by finger print mechanism and also by providing web cameras in the examination hall. Although web cameras Sometimes gets failed, if supposed a candidate is giving exam and facing downwards in such case Iris recognition and face recognition must be used. We conclude that no mechanism is ideal. Each mechanism has some restriction on its own. Key concepts are to develop paperless environment and to convert all the documentation in digital form.

9. REFERENCES

- [1]. Shubham Bobde, Suraj Chaudhari, Suraj Chaudhari and Jagupati Golguri,"Web Based Online Examination System" ,Volume 2, April 2017.

- [2]. Deepankar Vishwas Kotwal, Shubham ,Rajendra Bhadke ,Aishwarya Sanjay Gunjal and Puspendu Biswas,"online examination system", Volume: 0, Jan-2016.
- [3]. Zhao Qiao-fang, Li Yong-fei,"Research & development of online examination system".
- [4]. _IJCSI International Journal of ComputerScience Issues, Vol. 10, Issue 1, No 1,January 2013 ISSN (Print): 1694-0784 |ISSN (Online): 1694-0814www.IJCSI.org
- [5]. Xu Qiaoxia, Liu Dongsheng. Research and Design of the Security of Network Examination System [J]. Computer Education, vol 5, pp. 40-42, 2010. [2] Song Luo, Jianbin Hu and Zhong Chen."Task based automatic examination system for sequenced test". 2009 International Conference on Electronic Computer Technolgoy, 2009, pp.18-21.
- [6]. PENG JiJiang, YANG Guangzhong. "Design and realization of internet Exam system based on .NET". Science Technology and Engineering Vol(5),2005(20), pp. 1555-1560.
- [7]. WebBased online Secured Exam; B.Persis Urbana Ivy,A.shalini, A.Yamuna/International Journal of Engineering Research and Applications (IJERA) ISSN:2248-9622 www.ijera.com Vol. 2, Issue 1,JanFeb 2012, pp.943-944943.

