**Abstract**

General Online Test System (GOTS) was necessary to testing. A web-based Test System was developed with Php Web technology and for offline (Desktop App) system C# must be use to work offline for students who can be able to give class tests .The system provided the functions, including question management, paper generation and online test. Also the combination of client side programming and server-side programming techniques were used and analyzed. Online Test are useful to evaluate the student’s knowledge using modern computer technology without any effects on the traditional university course exam that uses Pens, Papers and invigilators.

**Introduction**

Online exam can improve the standards of student’s examination whereas the traditional examination system using the pen and paper requires more effort on the part of students and invigilators, and students can know their results right after their test/examination, no need to wait of their results. Online Test System are considered an important source for university exam, and thus the universities can benefit from these services.

Online Test System is helpful to teacher to customize their tests, prepare Multiple Choice Questions for Students, and they can even feed time duration for each tests, and countdown timer will start according to each tests, whenever student start their tests. Therefore, the General Online Test System could improve the testing level by providing better technical support. The General Online Test System also provided online/offline testing capability for students. Students could log in the system at any time in the campus network, test themselves, understand their testing level, and get to know their result right their tests.

University course exams, using the multiple choice questions and allowing the students to choose only one answer from alternative answers or the true/false questions.

**Solutions for challenges in General Online Test System (GOTS)**

**Unauthorized interference of other users in the network using other clients:**

To solve this challenge of students entering from different IP’s into the domain and attempting the test for their fellow students, we propose a system, where we create a domain with the set of students user id’s allocated by the university domain and each instructor will add all the students user id’s of his course; then he will give them the specific permissions like read and write for the specific time of that particular course test. The students who enter from the different IP’s cannot use the allocated domain and thus the system is secure.

**Functions of General Online Testing System (GOTS)**

**Question Management**

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

**Paper Generating:**

The function of this module was randomly generating test according to specified requirements. It was the core function of online testing system. The system randomly extracted questions from the question database. And will display those questions according to each course/subjects, when students will perform their tests.

**Test Online:**

Student user could use the function of test online to apply test designated by teacher, and login the system at any time within the campus network, perform their class test or aptitude test and get their result right after the test.

**CHAREACTERSTIC OF THE PROPOSED SYSTEM**

The online test created for taking online test has following features

* In comparison to the present system the proposed system will be less time consuming and is more efficient.
* Analysis will be very easy in proposed system as it is automated
* Result will be very precise and accurate and will be declared in very short span of time because calculation and evaluations are done by the Simulator itself.
* The proposed system is very secure as no chances of leakage of question paper as it is dependent on the administrator only.
* The logs of appeared candidates and their marks are stored and can be backup for future use.

**Conclusion**

We believe the online format is considerably superior to paper-and-pencil exams for our courses. This type of online exam system reduces the examination work.

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