**FUNCTIONAL REQUIREMENT SPECIFICATION FOR**

**ONLINE EXAM SYSTEM**

**1.0 Background / Concept:**

On-line Exam System is very useful for Educational Institute to prepare an exam, safe the time that will take to check the paper and prepare mark sheets. It will help the Institute to testing of students and develop their skills. But the disadvantages for this system, it takes a lot of times when you prepare the exam at the first time for usage. And we are needs number of computers with the same number of students.The effective use of "On-line Exam System", any Educational Institute or training centers can be use it to develop their strategy for putting the exams, and for getting better results in less time.

**2.0 Principle:**

* Any teacher can register their various types of certificate/non-certificate programs and conduct an online examination for the same.
* Just register the course, their subject n order to start the examination process.
* Questions and answers would be objective type and the format would be as per the teacher’s choice.
* User can select the test and give exam.

**2.1 Advantages:**

* Today, most of the companies or institutes are conducting their exams online to be a part of this fastest growing world.
* Online Examination System covers almost all type of problems faced by a company or institute while conducting online examinations.
* User can give any available exam at any available center as per his/her choice.
* The results of the online exam will help a company or institute to list out the outstanding exam takers all over the country.

**3.0 Available Features:**

**3.1 The Administrator can be done the following:**

* Create/delete accounts (add a list of faculty names and list of his student)
* Change password for Faculty/Student
* Create/ delete/update courses (subject).

**3.2 The Teacher can be done the following:**

* Change password.
* Insert questions.
* Specify the answers.
* Create/ delete/update courses (subject).

**3.3 The Student can be done the following:**

* Change password.
* Choose exam.
* Review answers.
* See his exam mark.
* View other material.

### 4.0 Technical specification:

* Corporate between the data stored in the server of the Institution and our On-line Exam system. To deal with On-line System in an easy way and an efficient mannered. (connection process)
* Create strong and secrete data base that allow for any connection in a secret way, to prevent any outside or inside attacks.
* Specify a privilege for each person to allow each person use this system to create his own exam. And have a complete control on his exam.
* Allow each person to create more than one exam with different way to create variant questions.

## 5.0 Requirement Specification:

### 5.1 Functional System Requirement:

This section gives a functional requirement that applicable to the Online Exam system.

There are three sub modules in this phase.

* User module.
* Teacher module.
* Admin module.

**The functionality of each module is as follows:**

* **User module**: The candidate will login to the software and take his examination. The candidate will get result immediately after the completion of the examination.
* **Teacher module:** The database is prepared & loaded into the software. Teacher can add Exam.The results will be displayed immediately after completion of the examination.
* **Admin module:** The administrator manags everything and each record.

**The features that are available to the Administrator are:**

* + - The administrator has the full fledged rights over the OES.
    - Can create/delete an account.
    - Can view the accounts.
    - Can change the password.
    - Can hide any kind of features from the both of users.
    - Insert/delete/edit the information of available on OES.
    - Can access all the accounts of the faculty members/students.

**The features available to the User are:**

* Can view the different categories of Test available in their account.
* Can change password.
* Can view and modify its profile but can modify it to some limited range.

**The features available to the Teacher are:**

* Can change password.
* Can add Exam
* Can view and modify its profile but can modify it to some limited range.

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### 5.2 Non-Functional System Requirements:

#### 5.2.1) Performance Requirements

Some Performance requirements identified is listed below:

* The database shall be able to accommodate a minimum of 10,000 records of students.
* The software shall support use of multiple users at a time.
* There are no other specific performance requirements that will affect development.

#### 5.2.2) Safety Requirements

The database may get crashed at any certain time due to virus or operating system failure. Therefore, it is required to take the database backup.

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