**Exam Registration System**

**Software Requirements Specification**

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**Introduction :**

Exam Registration System is an interface between the student and the exam controller responsible for the Issue of the hall ticket. This system adopts a comprehensive approach to minimize the manual work and to reduce the difficulties involved in it. It also improves the efficiency in the Issue of hall tickets. This System also helps the students with the list of exam dates.

Exam Registration system is used in the effective dispatch of registration form to all of the students. This system adopts a comprehensive approach to minimize the manual work and schedule resources, time in a cogent manner. The core of the system is to get the online registration form filled by the student whose testament is verified for its genuineness by the Exam Registration System with respect to the already existing information in the database. This forms the first and foremost step in the processing of exam application. After the first round of verification done by the system, the information is in turn forwarded to the Exam controller. The application is then processed manually based on the report given by the system. The system also provides the student the list of exam dates. The controller will be provided with fees details to display the current status of application to the student, which they can view in their online interface. After all the necessary criteria has been met, the original information is added to the database and the hall ticket is sent to the student, which can be downloaded by the them.

**Purpose :**

* If the entire process “Issue of Hall Ticket” is done in a manual manner, then it would take several days for the hall ticket to reach the students.
* So an Automated System is essential to meet the demands and reduces the resources, time required for it.
* The system uses several programming and database techniques to reduce the work involved in this process.
* This system also provides the student the list of exam dates.

**Scope :**

* The System provides an online interface to the user where they can fill in their personal details and submit the necessary scanned documents.
* The controller concerned with the issue of hall ticket can use this system to reduce his workload and process the application in a speedy manner.
* Provide a communication platform between the student and the controller.
* Students will come to know their status of application and the date in which they must subject themselves for manual document verification.

**Definitions, Acronyms and Abbreviations :**

* Exam Controller - Refers to the super user who is the Central Authority who has been vested with the privilege to manage the entire system.
* Student - One who wishes to obtain the Hall Ticket.
* ERS - Refers to this Examination Registration System.
* J2EE – Java 2 Enterprise Edition is a programming platform java platform for developing and running distributed java applications.

**Overall Description :**

**Overview :**

SRS includes two sections overall description and specific requirements – Overall Description will describe major role of the system components and inter-connections. Specific Requirements will describe roles & functions of the actors.

**Product Perspective :**

The ERS acts as an interface between the 'student' and the 'exam controller'. This system tries to make the interface as simple as possible and at the same time not risking the security of data stored in. This minimizes the time duration in which the user receives the hall ticket normally.

**Product Functions :**

* Secure Registration of information by the Students.
* Maintenance of user account.
* SMS and Mail updates to the students by the controller.
* Controller can generate reports from the information and is the only authorized personnel to add the eligible application information to the database.

**User Characteristics :**

* Student - They are the people who desire to obtain the hall ticket and submit the information to the database.
* Exam controller - He has the certain privileges to add the registration status and to approve the issue of hall ticket. He may contain a group of persons under him to verify the documents and give suggestion whether or not to approve the dispatch of hall ticket.

**Constraints :**

* The applicants require a computer to submit their information.
* Although the security is given high importance, there is always a chance of intrusion in the web world which requires constant monitoring.
* The user has to be careful while submitting the information. Much care is required.

**Assumptions and Dependencies :**

* The Students and Exam Controller must have basic knowledge of computers andEnglish Language.
* The student may be required to scan the documents and upload.

**Specific Requirements :**

**Software’s used :**

* NetBeans IDE
* JDK, J2EE
* Argo UML

**Programming Languages used :**

* Java