**SRS DOCUMENT**

**EXAM REGISTRATION SYSTEM**

**1. INTRODUCTION:**

Exam Registration Systemis an application which acts a medium of communication between the Student and the Controller of Examinations who is responsible for the Issue of Hall Tickets. The main purpose of this application is to improvise the process of issuing hall tickets thereby making it more quick and efficient. Incorporating such a system aims at reducing the complexities of the process to the maximum possible extent.

**1.1 PURPOSE:**

The process of 'Issuing Hall Tickets' if carried out in a manual manner would take a longer time making the process inefficient and slow. Owing to the fact that the number of students are increasing every year, it would take many more days for the hall ticket to reach the student.

To overcome this complexity, introducing an Automated System becomes essential to meet the demand. The Exam Registration System makes use of multiple programming and database techniques to simplify the work involved in this process. The system has been carefully verified and validated for it to maintain National Security.

**1.2 SCOPE:**

• The System provides an online interface to the user where they have to fill in their personal details and submit the necessary documents (may be by scanning).

• The exam controller who is responsible for issuing hall tickets can use this system to reduce his workload and process the student's application in a speedy manner.

• Provides a platform for communication between the student and the controller.

• Students will be updated about the status of their application and the date on which they must be present for manual document verification at specified venue.

**1.3 DEFINITIONS, ACRONYMS, ABBREVIATIONS :**

• **Exam Controller** - Refers to 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.

• **HTTP** - Hyper Text Transfer Protocol.

• **TCP/IP** – Transmission Control Protocol/Internet Protocol is the communication protocol used to connect hosts on the Internet.

**1.4** **REFERENCES:**

* Informatics practices by Sumita Arora
* SQL(database programming)(9th edition) by Chris Fehily

**1.5. Overview**

SRS includes two sections:

* Overall description
* Specific requirements

Overall description tells us about the major roles of the system components and inter-connections.

Specific requirements refer to the roles and functions of the actors required for the functioning of the system.

**2. Overall description**

**2.1. Product perspective**

The Exam Registration System acts as an interface between the 'student' and the 'exam controller'. This system tries to make the interface as simple and easy to use as possible while not risking the security of data stored in it. This minimizes the time duration in which the user receives the hall ticket and also reduces the difficulty which would have been faced by them before.

**2.2. Product functions**

* Safe and secure registration of information entered by the students
* Controller can generate reports from the information entered and is the only authorized personnel to add other eligible application information to the database.

**2.3. User characteristics**

* Student: They are the candidates who desire to obtain the hall ticket and submit information to the database for the same.
* Exam controller: He has privileges to access the database and add information for the registration status and approve the issue of the hall ticket. He may have people working under him who scrutinise and verify the applications and give suggestions whether to approve the dispatch of the hall ticket.

**2.4. Constraints**

* A computer is required to enter the information.
* Since it is an online system, high level of security is required to avoid unauthorized manipulations.
* The user should enter data carefully and it should be error free.
* A good internet connection is required.

**2.5. Assumptions and dependencies**

* Internet and computer access is available to all students.
* All students and controllers know to handle computers.

**3. Specific requirements**

Specific requirements will describe roles and functions of the different functional and non-functional components necessary for the project.

**3.1. Non-functional requirements**

**3.1.1. Soft wares used:**

* Front-end: Visual Basic and HTML
* Back-end: SQL

**3.1.2. Hardware used:**

* Computers
* Server

**Risk management**

Some project risks:

* Server crash
* Software failure
* Database inconsistency
* Unclear roles and responsibilities
* Lack of resource commitment
* Poor communication resulting in misunderstandings, quality problems and rework.
* Slow and irrelevant customer reviews

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