## RESULT MANAGEMENT SYSTEM

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# Introduction

This document aims at defining the complete structure of Software pertaining all the requirements for RESULT MANAGEMENT SYSTEM .Full Proof efforts have been made to define the requirements of the software in a much specific and precise manner. The End product will be having only those features that will be specified in this document, and assumptions for any additional functionality/feature should not be made by any of the parties involved in developing/testing/ and implementation part of this product .

## Purpose

This Document Provides complete info about the use and intended functionalities of RESULT MANAGEMENT SYSTEM .It also states the various constraints by which the system will abide. This document is only liable for use by the development team, testing team and the end users of the product.

## Scope

The application will manage the information about various students enrolled in this course in different years, the subjects offered during different semesters of the course, the marks obtained by the various students in various subjects in different semesters.

This Application will ease the work of preparation of the results of every Student and also managing them with less effort.

## Definitions, Acronyms, and Abbreviations

* DB­Database
* OS­ Operating System

## Overview

Student’s information is stored in DB the access is given to the Admin of that DB; he grants the permission to the instructor to enter the Branch data and student information. To make it Secure Password is given to each and every professor who is entering the data.

# General Description

This category specifies the points which will effect the the product and the requirements which are to be fulfilled for the best and intended use of it. It should be made clear that this section does not state specific requirements; it only makes those requirements easier to understand.

## Product Perspective

The application will be windows based, and will run independently.

## Product Functions

1. Details of the student
2. Subject of each semester, which student belonging to that semester is Studying
3. Marks scored by the student in each semester
4. Creation of Marksheets

## General Constraints

* + - * + Users of the College/University should perform the operations in under the security policy which the Software will pertain. In this way no unauthorized person can bring changes or modifications in the result of the student by getting access to the backend of the DB.

## Assumptions and Dependencies

1. There will not be any change in the number of subjects which belongs to a student.
2. There will not be any change in the types of the subject
3. There will not be any change in the number of semesters throughout the course.
4. The user should know how to handle the System.
5. Whole interface will be in English so the user should be able to understand English.

# Specific Requirements

This Section will provide the information about the software which are required to a certain level which is sufficient for the testers to test and designers to design that software.

## External Interface Requirements

### User Interfaces

The following screens will be provided:

**Login screen**: This will be the first page which will be visible to the user. Here movement to different pages can be performed based on the role of the user.. Various fields available on this screen will be

**Rollno/User id**: alphanumeric of length up to10/13char.

**Password**: depends on the requirement

**Role**: Will have the following

Values: Administrator, Data entry Operator/teacher , student

1. **Subject info Parameter Screen**:

This Screen will be for the Admin where he can enter the marks scored by the student in the particular

1. **Student info Parameter Screen**:

It will be visible to the Admin, where the Admin can enter the batch year and can get the complete info about the student.

1. **Student/info Screen**: This screen will be accessible only to the Admin. It will allow the user to modify the information about new/existing student for particular batch year. Various fields available on these screen are:

Student Enrollment No/id: of the format StartingYR\_EndingYR\_CollegeCode\_Unique2digitNumber ,so it’ll be basically of 9 digits.

5) **Entry Screen**: This screen will be accessible only to the Teacher. It will allow the user to add/modify/delete information about the marks obtained in the selected subject by different students. It includes Student enrollment no, student name, internal marks, external marks, total marks.

### Hardware Interfaces

1. Intel p4 processor with minimum 2GHz speed.
2. RAM: Minimum 1GB
3. Hard Disk: min 20GB

## Functional Requirements

Depending upon the user role he/she will be able to access only the specific modules of the system.

1. Login facility for enabling only authorized access to the system
2. User (with role Data Entry operator) will be able to modify /add/delete information about different students that are enrolled for the course in different years .

## Other Requirements

### NON­ FUNCTIONAL REQUIREMENT

1 **.Safety Requirements**

There might be some situations when the database can get crashed because of some failure in the OS, So to avoid such situations it is advised to make the backup of the database.

### Security Requirements

Our motive is to develop such kind of database which will be much secured in order to prevent any discrepancies in our data, we’ll grant right to access the DB based on the user’s Role.

### Hardware Constraints

The system requires a database in order to store persistent data. The database should have backup capabilities

### DB Requirement

The following information will be placed in DB:

1. info about Subject: Subject Name, Code, Semester
2. Info about Student: Student Enrolment Number, Student name, enrollment year.
3. Marks of the Student: Student Enrolment , internal marks, external marks ,subject name.