

Mini Project Synopsis on
STUDENT RESULT PROCESSING SYSTEM

S.E. - I.T Engineering

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CERTIFICATE

This to certify that the Mini Project report on **Student Result Processing System** has been submitted by Neha Chaudhary (20104134), Kritika Donde (20104102) Ashmina Dangat (20104054) and Sakshi Gunjal (20104106) who are a Bonafede students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **Information Technology**, during the academic year **2021-2022** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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Chapter 1

Introduction

Student Result Processing System mainly focus on providing the result and the faculty. The student checks their respective result using their University registered recognition id's along with their grades and percentage of that particular semester. The system is divided into two modules- Student and Admin. The student using his roll can view his/her result and the admin using his/her username. The administrator uploads the results file to the database by converting the file to SQL format(.sql) from the PDF format (.pdf). The admin is provided with the privileges to modify the student result by updating the result the changes in supplementary or revaluation examination. The update of any current score is done by the administrator.

The main objective of this system is to provide the student a convenient and simpler way to check their result and for evaluating the total aggregate and the percentage for the results available. It assists the admin and student to analysis his/her and the whole class performance in a subject.

1.1 Purpose:

- The main purpose of the Student result processing system is to reduce manual work and make the system flexible for both admin and student to access results.
- Securing the data inserted in the system into the database so as to avoid problems of misplacing result records.
- Making this system computer based to remove the possibilities of errors and mistakes in result calculation.

1.2 Objectives:

- To build an application program to reduce the manual work of admins and students.
- To develop a user-friendly portal that can accessible anytime and anywhere.
- To build an application program to reduce the manual work of admins and students.
- To build an efficient result portal.
- To build a system that is useful for both students as well as the authority.
- To manage the details of Students, Results, and Adding new student and result and storing it in a secured database.
- To come up with an arrangement that makes overall handling of data easier and flexible.
- To build at administrative end and thus only the administrator is guaranteed the access.

1.3 Scope

It may help collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Student Result Processing System. It will be also reduced the cost of collecting the management & collection procedure will go on smoothly.

Our project aims at Business process automation, i.e., we have tried to computerize various processes of Student Result Processing System.

- In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.
- In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfies the user requirement.
- Have a good user interface.
- Be expandable.

Chapter 2

Problem Definition

Manual processing of student results in institutes is time consuming and complicated. Also, there is possibility of mistakes and error. There would always be unnecessary consumption of time while creating these results and making them available to the students. These records of students would also consume a lot of storage space and would require maintenance. One more problem was that once the records were entered it was very difficult to update them. Hence the whole system which was to be maintained for results was very tedious. In student's case it is always not possible to visit institutes to collect results.

Hence our system provides features making it easy for the admin to develop student's results with very less effort and store it. And for student it is easy to access results from the system rather than visiting institutes.

Chapter 3

3. Proposed System:

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

The features of the proposed system are:

- Security of data.
- Ensure data accuracies.
- Proper control of the higher officials.
- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
- User friendliness and interactive.
- Minimum time required.

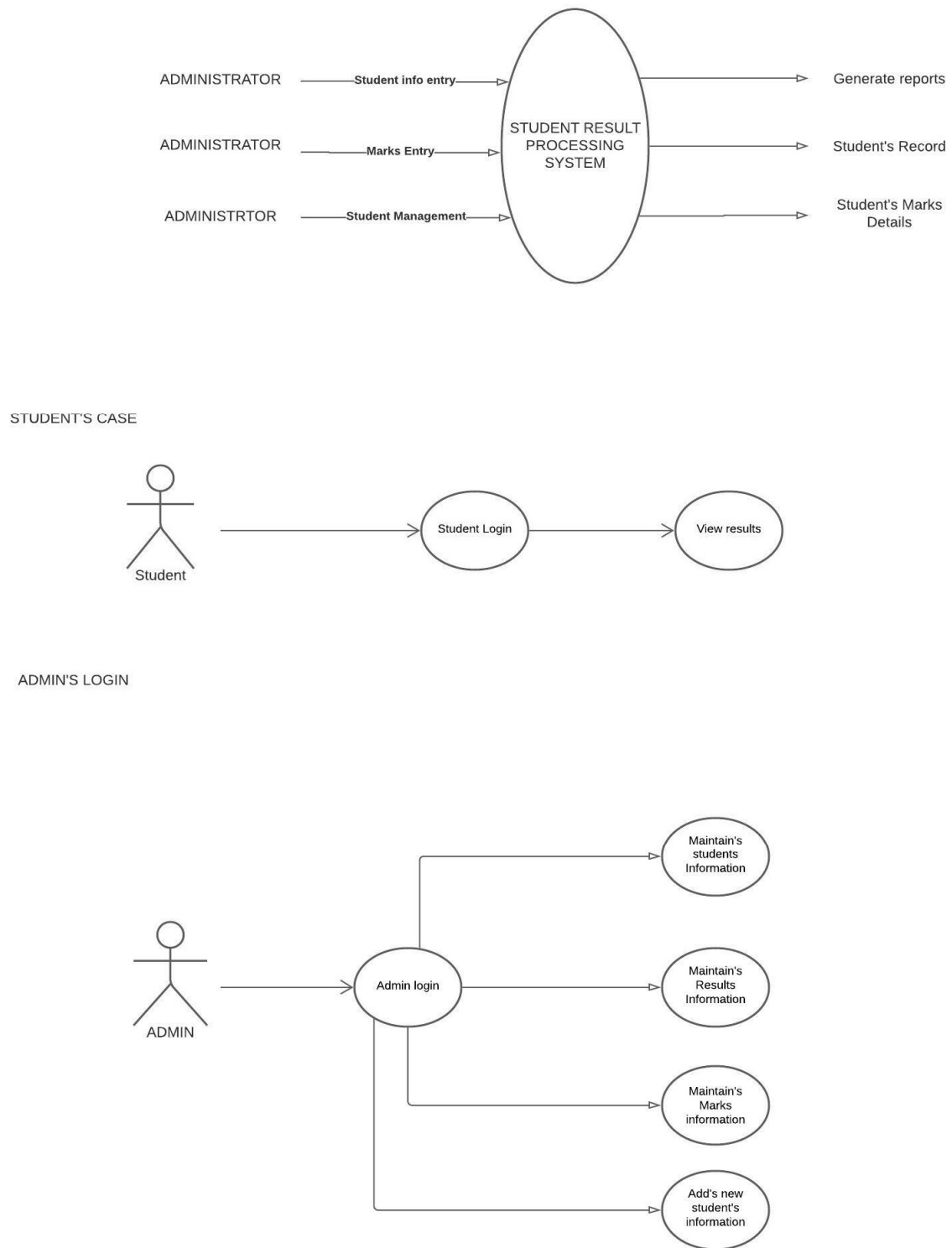


Figure 3.1: Student result processing system

3.2 Features And Functionality:

Admin's login:

- Admin can register new student and also edit info of the student.
- Records marks and result on a single database
- Add & manage students and Declare Results
- Calculate scores, percentages and grades
- Admin can declare/ edit result of a student.
- System is reliable, accurate, and secure.
- Manual system so there is no chance of errors.
- Avoiding errors in data.
- Server is secure so no risk of mismanagement of data

Student's login:

- Student can search their result using valid roll id.
- Student can download the result in the PDF format.
- They can view results anytime.

Chapter 4

Project Outcome:

Admin Login

- Admin can login by providing following inputs
 - Username
 - Password
- Admin can add new students/record/result.
- Admin can view all Result.
- Admin can also make changes to existing records.

Student Login

- Student can login by providing following inputs
 - Student Id
 - Password
- Student can view the results.
- Student can download their results.

Chapter 5

Software Requirements:

- Front End :- Java (Eclipse)
- Back End :- SQL

Chapter 6

Project Design :

In this phase, a logical system is built which fulfils the given requirements. Design phase of software development deals with transforming the client's requirements into a logically working system. Normally, design is performed in the following in the following two steps:

1. Primary Design Phase:

In this phase, the system is designed at block level. The blocks are created on the basis of analysis done in the problem identification phase. Different blocks are created for different functions emphasis is put on minimising the information flow between blocks. Thus, all activities which require more interaction are kept in one block.

2. Secondary Design Phase:

In the secondary phase the detailed design of every block is performed.

The general tasks involved in the design process are the following:

1. Design various blocks for overall system processes.
2. Design smaller, compact and workable modules in each block.
3. Design various database structures.
4. Specify details of programs to achieve desired functionality.
5. Design the form of inputs, and outputs of the system.
6. Perform documentation of the design.
7. System reviews.

User Interface Design

User Interface Design is concerned with the dialogue between a user and the computer. It is concerned with everything from starting the system or logging into the system to the eventual presentation of desired inputs and outputs. The overall flow of screens and messages is called a dialogue.

The following steps are various guidelines for User Interface Design:

1. The system user should always be aware of what to do next.
2. The screen should be formatted so that various types of information, instructions and messages always appear in the same general display area.
3. Message, instructions or information should be displayed long enough to allow the system user to read them.
4. Use display attributes sparingly.
5. Default values for fields and answers to be entered by the user should be specified.
6. A user should not be allowed to proceed without correcting an error.
7. The system user should never get an operating system message or fatal error.

Chapter 7

Project Scheduling Template

Sr. No	Group Member	Time duration	Work to be done
<u>1</u>	Neha Chaudhary	1 st week of September	Implementing 1 st module Homepage <i>Designing the main page/ user will get options to login as admin or student.</i>
<u>2</u>	Sakshi Gunjal	2 nd week of September	Testing 1 st module Admin login <i>Designing next page/ This will consist of the page where admin will have to enter their id and password to login and access the main menu where there will be options like:</i> <ul style="list-style-type: none">• Adding a new student• Adding a new result• Viewing all added results

<u>3</u>	Kritika Dondé	3 rd week of September	<p>Implementing 2nd module</p> <p>Student login</p> <p><i>Designing next page/ student will have to enter username and password to view their results and can also find option to download it.</i></p>
<u>4</u>	Ashmina Dangat	By the end of November month	<p>Implementing 3rd module</p> <p>Connection</p> <p><i>Creating a database for all the records and connecting all pages. Lastly testing the system and its functions by providing inputs and getting desired outputs.</i></p>

Chapter 8

Conclusion:

In conclusion, this Paper presents a software application that is capable of sorting & processing students' results at the click of the button and presenting the output in a certain required forms. Its qualities include enabling error free registration, reduction in the cost and time spent in computing Students' results, faster generation of a term result per class and enabling the teachers and or administrators to view every term result of a whole class in a single sheet called the broadsheet as well as the result summary for a whole class, The Application is easy to use, reasonably secure and enforces data integrity resulting from the use of a relational database management system.

The software design if effectively implemented will solve the problems associated with manual processing of students' results in public secondary schools by putting in place an efficient computerized result processing system. It is recommended for application in public secondary schools in Ekiti State which experience difficulties with the computation of students' results. This software is subject to change and very much essential for other public secondary schools from other states in Nigeria to embrace it and implement it into their own system.

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