

RESULT MANAGEMENT SYSTEM

Project submitted by

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BACHELOR OF COMPUTER APPLICATION (BCA)

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION

Sister Nivedita University, Newtown

Kolkata, West Bengal

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Project Submitted in Partial Fulfilment of the Requirements for Award of
the Degree of
BACHELOR OF COMPUTER APPLICATION (BCA)

By

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DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION
Sister Nivedita University, Newtown
Kolkata, West Bengal

November, 2024

Declaration

We hereby declare that the project work entitled “Result Management System”, submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Computer Applications (BCA), is our original work and has not been submitted previously to any other university or institution for the award of any degree, diploma, or certificate. All information, data, and content used in this project have been gathered and utilized in accordance with academic and ethical guidelines, and any material obtained from other sources has been duly acknowledged. This project was carried out under the guidance of Alamgir Sardar, Assistant professor Department of Computer Science, has been completed to the best of our knowledge and ability.

*Date: 26-11-2024
Place: SNU, West Bengal*

.....
*(Ayantika Mondal, Souvik Das, Anvesha
Sarkar, Chintan Mondal, Swagata Dey)
Registration No: 220010237664,
220010894221, 220011070739,
220010282760, 220010999539*



SISTER NIVEDITA UNIVERSITY

Certificate

This is to certify that the project entitled "Result management System", submitted by Ayantika Mondal, Souvick Das, Anwasha Sarkar, Chintan Mondal, Swagata Dey Bonafide students of Sister Nivedita University, in partial fulfilment of the requirements for the degree of Bachelor of Computer Application (BCA), has been successfully completed under my supervision and guidance during the academic year 2024-2025.

It is certified that all corrections and suggestions indicated for internal assessment have been duly incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements for the project work prescribed for the said subject.

*Date: 26-11-2024
Place: SNU, West Bengal*

.....
*(Dr. Alamgir Sardar)
Assistant professor
Dept of Computer Science and Application,
Sister Nivedita University*

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We are also deeply grateful to **Mr. Anirban Mitra**, Head of the Department, for providing us with the opportunity to undertake this project and for creating an environment that fosters learning and innovation.

Additionally, we extend our sincere thanks to our peers and faculty members and the Project Committee at the Department of Computer Science, Sister Nivedita University, for their constructive feedback and support. Their encouragement has been a source of inspiration for us.

Finally, we acknowledge the efforts and dedication of our team members, whose collaboration and hard work have made the successful completion of this project possible.

Lastly, we extend our heartfelt appreciation to all those who have been pillars of support throughout this project endeavour. Your unwavering encouragement, motivation, and belief in our abilities have been a source of strength and inspiration. We are deeply grateful for your invaluable contributions and steadfast presence in our journey.

.....	Ayantika Mondal
.....	Souvick Das
.....	Anwesha Sarkar
.....	Chintan Mondal
.....	Swagata Dey

Abstract

The Result Management System is a comprehensive solution designed to streamline and simplify the process of managing student results. This project addresses the limitations of traditional data entry methods by introducing a responsive and interactive user interface, developed using VB.NET, with MS Access as the backend database. The system provides functionality for basic CRUD (Create, Read, Update, Delete) operations, enabling efficient data management. Additionally, a print feature is integrated, allowing users to generate hard copies of results seamlessly.

The application aims to enhance productivity by reducing the time and effort required for result management. Its user-friendly design ensures accessibility and ease of use, while the responsive layout adapts to various screen sizes. By replacing monotonous and error-prone manual procedures, this system offers a modern, reliable, and efficient approach to result management, catering to educational institutions and organizations seeking improved workflow and accuracy.

Chapter 1

Introduction

Result Management System is software application to simplify the process of managing and generating academic result. This system can use in school, collage, universities, or any organization requiring structured and efficient result management. Manual result preparation is time-consuming and prone to errors. An RMS automates tasks such as result calculation, report generation, and record keeping, significantly reducing the time and effort required.

Students, teachers, and parents can access results online through secure portals. This eliminates the need for physical distribution and provides instant access to performance data. An RMS provides a centralized platform to store and manage all student records, marks, and performance data. This makes it easy to retrieve, update, or analyse information as needed.

At least, It is a modern solution to meet the needs of dynamic educational and organizational environments.

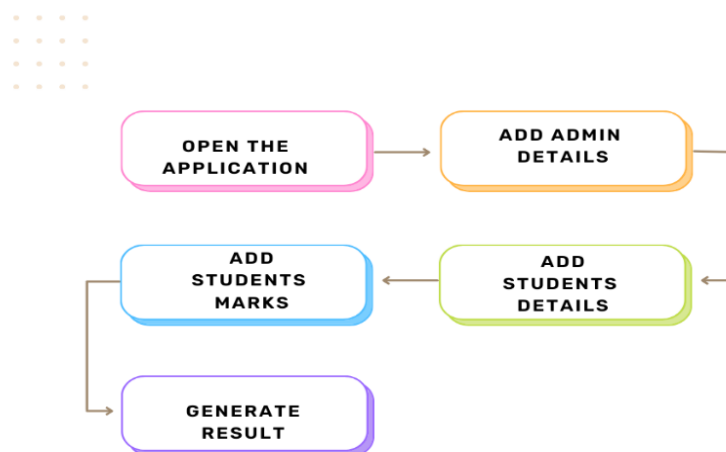


Figure 1.1: Overall Diagram Representation

Exam management software plays a crucial role in simplifying and streamlining the entire exam process, especially when it comes to result generation.

It automates tasks such as grading, score calculation, and report generation, significantly reducing the time and effort needed for manual work. By centralizing student data, exam schedules, and results in one system, it ensures easy access and improved organization.

The software minimizes errors in result calculations and provides real-time updates, allowing students to view their results instantly. Furthermore, it offers valuable performance analytics that help identify trends, enabling institutions to improve teaching and assessment strategies.

1.1 Organization of chapters

In this project, we present Result management System, our journey unfolds across eight chapters, as outlined below.

1.1.1 Chapter 2: Literature Survey

This chapter explores existing research and software solutions related to result management systems. It highlights how these systems simplify tasks like grading, result calculation, and report generation, emphasizing the benefits of automation, centralized data management, error reduction, and real-time result updates. It also reviews performance analytics and insights.

1.1.2 Chapter 3: Feasibility study

This chapter evaluates the practicality of implementing the proposed result management system by assessing its technical, operational, and financial feasibility. It examines whether the necessary technology, resources, and infrastructure are available to support the system's development and integration. Additionally, it considers the project's cost-effectiveness, potential return on investment, and the system's alignment with the institution's needs and goals. The chapter also addresses potential challenges and risks, ensuring that the proposed solution is achievable within the given constraints.

1.1.3 Chapter 4: Problem identification

This chapter identifies the challenges and issues faced by the current result management process, such as manual grading, data entry errors, slow result generation, and inefficient communication. It highlights the limitations of existing systems and justifies the need for an automated exam management system to address these problems.

1.1.4 Chapter 5: Proposed Solution

This chapter presents the proposed Result Management System (RMS), focusing on features like automated result calculation, centralized student data storage, real-time result generation, and detailed performance analytics. It explains how the system will streamline result processing, improve accuracy, reduce errors, and provide transparent and efficient result management.

1.1.5 Chapter 6: Experimental Results and Discussion

This chapter presents the results of testing the Result Management System (RMS), evaluating its performance, accuracy, and user feedback. It discusses the system's effectiveness compared to traditional methods, highlighting its strengths, limitations, and areas for improvement in enhancing result management efficiency.

1.1.6 Chapter 7: Conclusion

This chapter summarizes the effectiveness of the Result Management System (RMS) in automating result generation, improving efficiency, and reducing errors. It highlights the system's benefits in enhancing transparency and time-saving, while also suggesting potential future improvements and its positive impact on educational institutions.

Chapter 2

Literature Survey

Traditional result management systems are characterized by their reliance on manual data entry, which often proves to be a time-consuming, error-prone, and labour-intensive process. This conventional approach involves meticulous recording and verification of data, which not only consumes significant time and effort but also increases the likelihood of human errors, leading to inaccuracies in results. Furthermore, the manual nature of these systems limits scalability and makes it challenging to handle large volumes of data efficiently.

With the rapid advancement of technology, the demand for automated result management systems is rising. These modern systems aim to address the shortcomings of traditional methods by automating data entry processes, reducing errors, and significantly improving efficiency. By leveraging features like real-time result generation, automated calculations, and streamlined workflows, automated result management systems ensure accurate and timely outcomes. Additionally, they enhance accessibility by enabling stakeholders to access results remotely through digital platforms.

The shift towards automated systems not only improves operational efficiency but also empowers organizations to handle data seamlessly, minimize resource wastage, and focus more on strategic tasks. As technology continues to evolve, embracing such systems is becoming imperative for institutions and organizations aiming to modernize their processes and deliver superior service quality.

2.1. Limitations of Manual Data Entry Systems:

Manual data entry systems are inefficient, time-consuming, and prone to human errors, such as typos, omissions, and duplicate entries. They struggle with scalability, especially when managing large datasets, and lack real-time data processing, leading to delays and inconsistencies. Additionally, they incur higher operational costs due to physical record-keeping and increase the risk of data loss. These limitations emphasize the need for automated systems to improve accuracy, efficiency, and scalability.

2.2. Challenges with Existing Digital Solutions

While digital solutions have streamlined many processes, they often come with rigid interfaces and limited customization options, which can hinder

their adaptability to specific organizational needs. These systems are frequently designed with generic features, making it difficult for users to tailor them to unique workflows or requirements. This lack of flexibility can result in inefficiencies, as users may need to find workarounds or rely on additional tools to bridge functionality gaps.

Moreover, rigid interfaces can negatively impact user experience, making the systems less intuitive and harder to navigate. Organizations may face challenges in integrating these solutions with existing tools or scaling them to meet evolving demands. These limitations highlight the need for more adaptable and user-friendly digital solutions that can cater to diverse needs while maintaining efficiency.

2.3. The Importance of a Responsive UI

A responsive UI improves user engagement by adapting to various devices, ensuring a smooth and intuitive experience. It enhances operational efficiency by simplifying navigation, reducing errors, and enabling quicker decision-making, ultimately boosting productivity and user satisfaction.

2.4.VB.NET: A Reliable Choice for Desktop Applications

VB.NET offers robust tools and features for developing desktop applications, making it an ideal choice for creating efficient and user-friendly systems. Its rich library, straightforward syntax, and seamless integration with .NET frameworks enable developers to build reliable, scalable, and feature-rich applications tailored to specific needs.

2.5.MS Access: A Lightweight and User-Friendly Database Solution

MS Access is an excellent choice for database management, offering a lightweight and user-friendly platform. Its seamless integration with VB.NET simplifies data handling and application development. With its intuitive interface and robust functionality, MS Access provides an efficient solution for managing and storing data in small to medium-scale projects.

6.Enhancing Documentation with Print Functionality

The addition of print functionality plays a vital role in improving documentation and record-keeping processes. By allowing users to generate physical copies of important data, reports, and records, it ensures that information is easily accessible and preserved for future reference. This feature supports better organization and helps maintain accurate records, which is essential for compliance, auditing, or simply for keeping a tangible backup of digital data. Moreover, it enhances operational efficiency by providing users with an easy way to share and distribute hard copies of critical information when needed, reducing reliance on digital screens and ensuring smoother workflows.

Chapter 3

Feasibility Study

1. Technical Feasibility:

- VB.NET and MS Access integration ensures compatibility and efficient system performance.
- Availability of tools and libraries in VB.NET for CRUD operations and printing functionality.
- The system requires only basic hardware and software setups, making it accessible for end-users.

2. Operational Feasibility:

- The system simplifies result management, reducing the learning curve for users.
- Enhanced user experience through a responsive and interactive UI design.

3. Economic Feasibility:

- Development and maintenance costs are minimized by using MS Access as the database and VB.NET as the programming platform.
- Eliminates recurring expenses on stationery and printing for manual processes.

4. Legal Feasibility:

- Ensures compliance with data privacy standards, securely managing student and result records.

5. Schedule Feasibility:

- The system's development timeline is realistic and achievable with available resources and tools.
- Regular updates and scalability ensure long-term usability.

Chapter 4

Problem identification

Result management systems are essential tools for handling data in educational institutions, organizations, and other settings. However, traditional systems often face several challenges that hinder their efficiency and effectiveness. Some key issues include:

1.Manual Data Entry Errors:

Traditional result management systems often rely on manual data entry, which can lead to human errors such as incorrect data input, typos, or omissions. These errors compromise the accuracy and reliability of the results, leading to discrepancies and the need for time-consuming corrections.

2.Inefficiency and Time Consumption:

The manual handling of data entry and result processing is time-consuming and inefficient. This can lead to delays in generating results, especially during peak times, which affects the overall workflow and productivity.

3.Limited Scalability:

Traditional systems may struggle to handle large volumes of data, especially in larger institutions or organizations. As the number of students, employees, or clients grows, these systems often become slower and less effective in managing the increased load.

4.Lack of Real-Time Updates:

Many existing systems do not provide real-time updates, meaning that users cannot access the latest results immediately. This delay can be frustrating for users and prevent timely decision-making or communication

5.Poor User Experience and Interface:

Some systems may have rigid interfaces that are difficult to navigate or require extensive training to use effectively. A lack of user-friendly design can reduce engagement and hinder efficient use of the system.

6.Limited Customization:

Many result management systems are designed with a one-size-fits-all approach, limiting the ability to customize the system to suit the specific needs of an institution

or organization. This lack of flexibility can cause inefficiencies and hinder smooth integration with existing workflows.

7.Data Security and Backup Issues:

Storing results manually or on outdated systems can increase the risk of data loss or breaches. Without proper backup and security measures, valuable information can be compromised, leading to legal and operational risks.

8.Difficulty in Generating Reports:

Existing systems may struggle to generate detailed, customized reports quickly and accurately. This makes it harder for administrators or teachers to access the information they need to make informed decisions.

9.Inadequate Support for Multiple Users:

Traditional result management systems may not support concurrent access by multiple users, causing delays and system overloads. This limitation can become problematic in large organizations where multiple stakeholders need access to the system at once.

10.Lack of Integration with Other Systems:

Many result management systems are standalone, making it difficult to integrate with other tools, such as learning management systems (LMS) or HR software. This disconnect can lead to data silos and a lack of streamlined workflows.

Chapter 5

Proposed Solution

This chapter presents a detailed description of the proposed solution, including the methodology, system architecture, and essential features of the result management system (RMS). The following sections cover the assumptions, diagrams, tables, and documentation necessary for understanding the system's design and functionality.

5.1 Proposed Solution and Methodology

Develop a **Result Management System (RMS)** to automate result-related processes, ensuring efficiency, accuracy, and transparency. The system will provide a centralized platform for student data, automated grade calculation, report generation, and secure access for admins, teachers, students, and parents.

Methodology

1. Requirement Analysis: Identify user needs and grading policies.
2. System Design: Plan user interface, database, and application logic.
3. Development: Build the frontend VB.NET and backend MS Access.
4. Testing: Validate functionality, accuracy, and user experience.
5. Deployment: Host the system on a server or cloud with secure access.
6. Training and Maintenance: Train users, collect feedback, and update regularly.

Outcome

The RMS will streamline result management, reduce manual errors, enhance data security, and improve accessibility for stakeholders.

5.2 Proposed System Features

1. User Management: Role-based access for Admin, Teachers, Students, and Parents with secure login.
2. Student Records: Centralized database for managing student details.
3. Marks Entry: Teachers can input marks, and the system calculates grades, percentages, and CGPA automatically.
4. Custom Grading: Supports institution-specific grading policies.
5. User-Friendly: Simple, mobile-friendly interface for easy access.

5.3 Assumptions

- Accurate student, course, and grading data will be provided.
- The institution will ensure necessary infrastructure (servers or cloud storage).
- Teachers and admins will have basic technical knowledge, with training provided.
- The system will handle growth in users and data efficiently.
- Security protocols will protect sensitive data and prevent breaches.
- The RMS will focus solely on academic result management.

5.4 System Architecture Diagrams

5.4.1 ER Diagram

An ER diagram (Entity-Relationship diagram) visually represents the relationships between different entities in a system. As shown in Figure 5.1

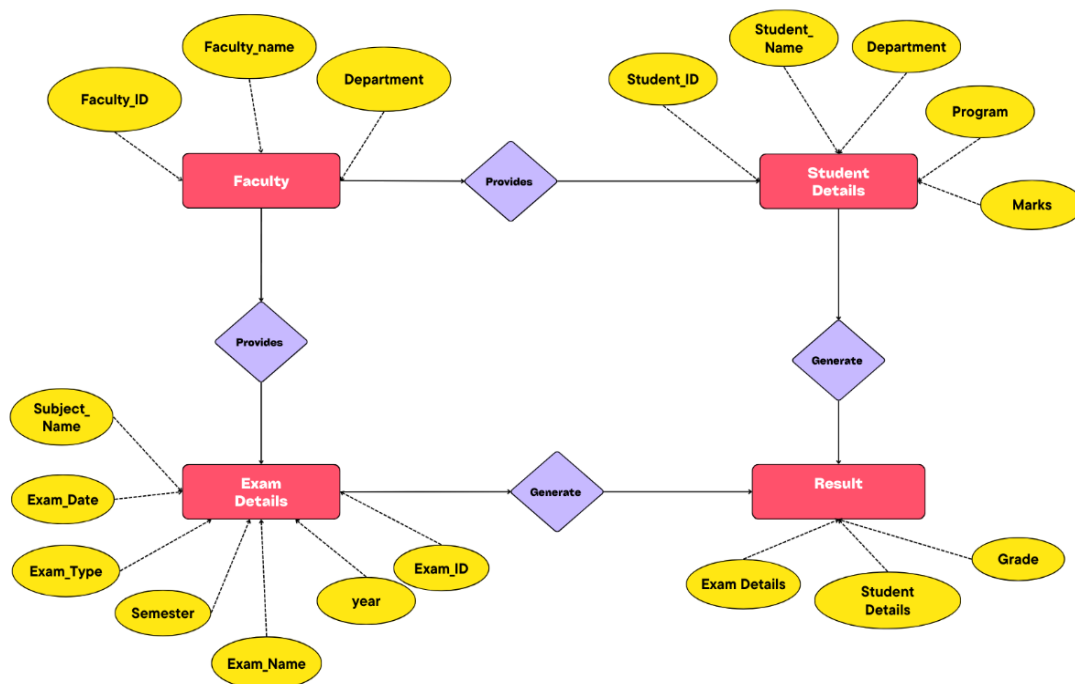


Figure 5.1: ER diagram

5.4.2 Use Case Diagram

A Use Case Diagram for a Result Management System (RMS) shows how Students log in to view results, Faculty log in to upload marks and generate reports, and Admins manage courses, students, and reports. It highlights key functionalities like login, view result, upload marks, and generate reports, illustrating interactions between actors and the system. As shown in Figure 5.2.

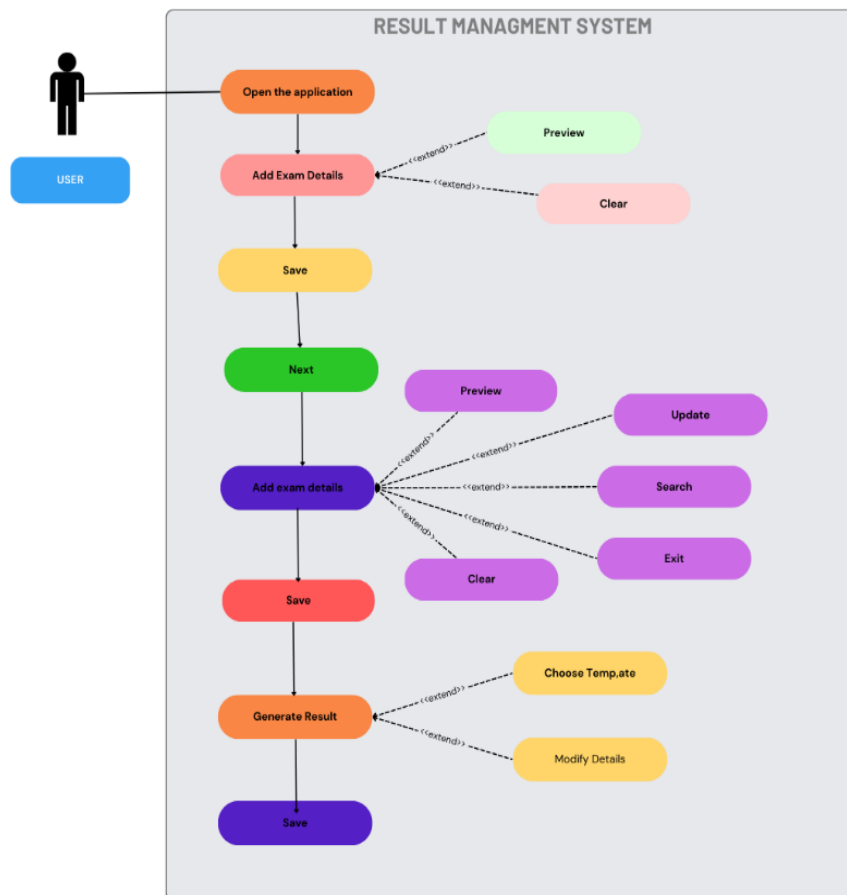


Figure 5.2: Use Case Diagram

5.4.3 Data Flow Diagram

DFD Level 0: A Level 0 Data Flow Diagram (DFD) for a Result Management System (RMS) represents the system as a single process interacting with external entities: Students, Faculty, and Admin. The student interacts with the system to log in and view results, while Faculty logs in to upload marks and generate reports. The admin manages courses, students, and generates reports. Data flows between the system and entities, with the system storing data in Student, Course, and Result data stores. This high-level DFD illustrates how the system handles user requests and stores data. Show as Figure

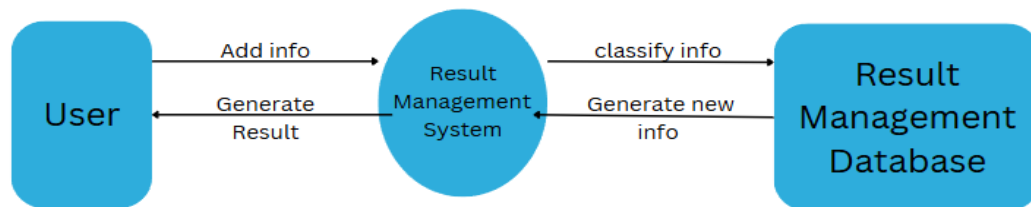


Figure 5.3: DFD Level 0

5.4.4 Flowchart

A Flowchart for a Result Management System (RMS) visually represents the sequence of actions and decisions involved in the system's operations. The process begins when a user (Student, Faculty, or Admin) accesses the system and is prompted to log in with their credentials. The system then verifies the provided login credentials. If the credentials are correct, the system proceeds to identify the user's role.

- For a student, once logged in, the system allows them to view their results, which are retrieved from the Result Data Store. After viewing the results, the process ends.
- For Faculty, after logging in, they can upload student marks and generate reports. The marks are stored in the Result Data Store, and reports can be generated based on the available data. Once the tasks are completed, the process ends.
- For an Admin, the system allows them to manage courses, students, and generate performance or analytical reports. The admin can update the Course Data Store and Student Data Store as necessary, and generate reports based on the system's data.

The flowchart thus illustrates how the system handles different user types and their corresponding tasks, with each user having specific functionalities.

After the tasks are performed, the process ends, ensuring that each user's interaction with the system is clearly defined. Show as Figure 5.4

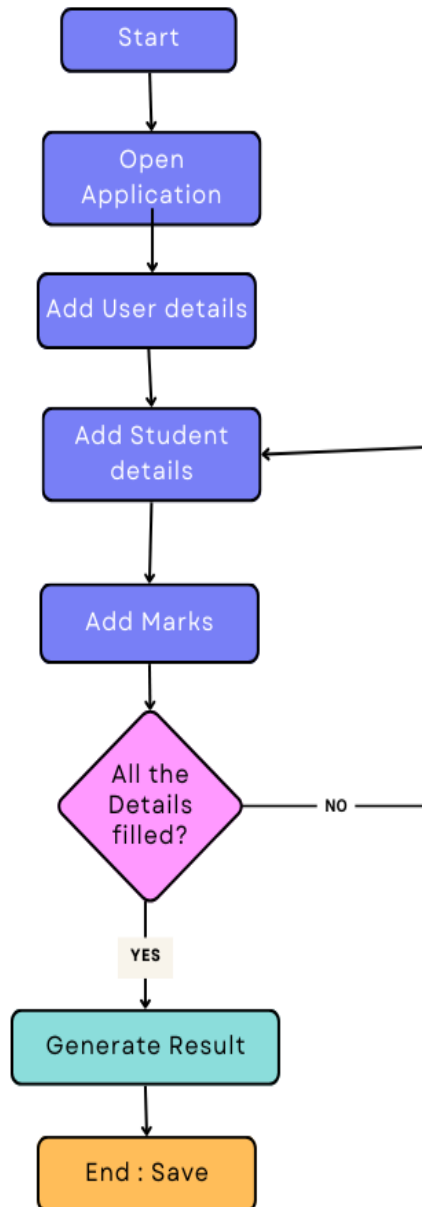


Figure 5.4: Flowchart

5.5 Algorithm

The algorithm below outlines the general workflow of the Result management System:

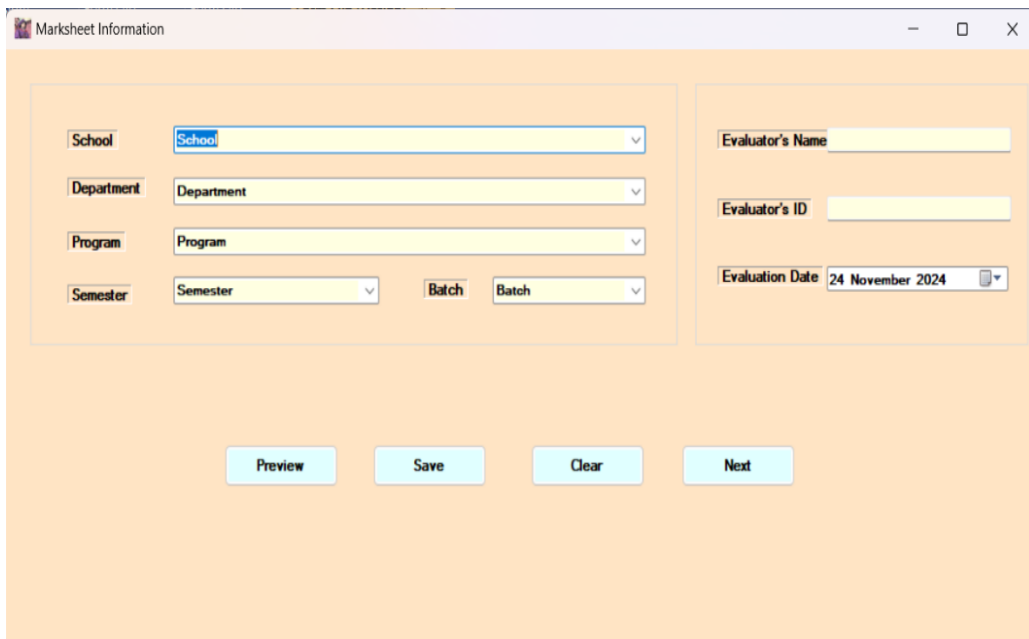
- Step 1: Start
- Step 2: Initialize user details
- Step 3: Initialize student details
- Step 4: Initialize Student Marks
- Step 5: If the details is filled properly then go to the next step otherwise go to the step3
- Step 6: Generate Result
- Step 7: Save the result
- Step 8: End

5.6 Summary

This proposed solution aims to create an accessible, reliable, and scalable system for result generate. By using VB.Net, MS Access. The system provides functionality for basic CRUD (Create, Read, Update, Delete) operations, enabling efficient data management. Additionally, a print feature is integrated, allowing users to generate hard copies of results seamlessly.

5.7 Activity

- Interface Preview:



The screenshot displays a software window titled "Marksheet Information". The window contains a form with two main sections. The left section includes four dropdown menus labeled "School", "Department", "Program", and "Semester", each with a corresponding label. The right section includes three text input fields labeled "Evaluator's Name", "Evaluator's ID", and "Evaluation Date", with a date picker set to "24 November 2024". At the bottom of the form, there are four buttons: "Preview", "Save", "Clear", and "Next".

- Data input preview:

The screenshot shows a web application window titled "Marksheet Information". It contains two main sections for data entry. The left section has dropdown menus for "School" (School of Engineering), "Department" (Computer Science & Applications), "Program" (BCA), "Semester" (5), and "Batch" (2022-2025). The right section has text input fields for "Evaluator's Name" (Dr. Alamgir Sardar), "Evaluator's ID" (1026), and "Evaluation Date" (18 November 2024). Below these fields are "Preview" and "Next" buttons. A modal dialog box is open in the center, displaying a summary of the entered data: School: School of Engineering, Department: Computer Science & Applications, Program: BCA, Semester: 5, Batch: 2022-2025, Evaluator's Name: Dr. Alamgir Sardar, Evaluator's ID: 1026, and Evaluation Date: 18 November 2024. An "OK" button is at the bottom of the dialog.

- Data save:

This screenshot shows the same "Marksheet Information" form as before, but now with "Preview", "Save", and "Clear" buttons at the bottom. The "Save" button is highlighted. A modal dialog box is open, displaying the message "Record Saved Successfully." with an "OK" button at the bottom.

- After saving the data we go to the next page:

Student Information
End Semester Assessments, Spring 2024

Student Details

Enrollment Number:
 Registration No:
 Student Name:

Subject Details

Subject Name:
 Subject Code:

Theory - Internal

Assessment / Project: Full Marks: 10, Obtained Marks:
 Class Test / Quiz: Full Marks: 7.5, Obtained Marks:
 Participation: Full Marks: 7.5, Obtained Marks:
 Mid Semester: Full Marks: 25, Obtained Marks:

End Semester Assessment

Participation: Full Marks: 10, Obtained Marks:
 Lab Assignments and Submission: Full Marks: 10, Obtained Marks:
 Continuous Evaluation during practical classes: Full Marks: 10, Obtained Marks:
 Final End-Semester assessment on an Experiment: Full Marks: 10, Obtained Marks:
 Viva-Voice: Full Marks: 10, Obtained Marks:

Buttons: Preview, Save, Search, Update, Clear, Delete, Print, Exit

Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code	Assessment / Project
2211206001048	220010282760	Chintan Mondal	GUI with .NET	102302233	8
2212206001107	220011070739	Anwesha Sarkar	JAVA	12111020	7
2211206001099	220010999570	Arnab Mondal	Business Study	1020301122	9

- Data Preview on The Student Information page:

Student Information
End Semester Assessments, Spring 2024

Student Details

Enrollment Number: 2211206001071
 Registration No: 220010894221
 Student Name: Souvik Das

Subject Details

Subject Name: GUI with .NET
 Subject Code: 102302233

Theory - Internal

Assessment / Project: Full Marks: 10, Obtained Marks: 9
 Class Test / Quiz: Full Marks: 7.5, Obtained Marks:
 Participation: Full Marks: 7.5, Obtained Marks:
 Mid Semester: Full Marks: 25, Obtained Marks: 23

End Semester Assessment

Participation: Full Marks: 10, Obtained Marks: 10
 Lab Assignments and Submission: Full Marks: 10, Obtained Marks: 9
 Continuous Evaluation during practical classes: Full Marks: 10, Obtained Marks: 8
 Final End-Semester assessment on an Experiment: Full Marks: 10, Obtained Marks: 7.5
 Viva-Voice: Full Marks: 10, Obtained Marks: 10

Buttons: Preview, Save, Search, Update, Clear, Delete, Print, Exit

Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code	Assessment / Project
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2212206001107	220011070739	Anwesha Sarkar	JAVA	12111020	7
2211206001099	220010999570	Arnab Mondal	Business Study	1020301122	9

Data Preview Dialog:

Subject Name: GUI with .NET
 Subject Code: 102302233
 Enrollment Number: 2211206001071
 Registration Number: 220010894221
 Student Name: Souvik Das

OK

- Saving Student Data:

Student Information
End Semester Assessments, Spring 2024

Student Details

Enrollment Number: 2211206001071
Registration No: 220010894221
Student Name: Souvick Das

Subject Details

Subject Name: GUI with .NET
Subject Code: 102302233

Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code	Assesment / Project
2211206001048	220010282760	Chintan Mondal	GUI with .NET	102302233	8
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Theory - Internal Assessment / Project

Full Marks: 10
Obtained Marks: 9

Class Test / Quiz

Full Marks: 7.5
Obtained Marks: 7

Mid Semester

Full Marks: 25
Obtained Marks: 23

End Semester Assessment

Participation: Full Marks: 10, Obtained Marks: 10
Lab Assignments and Submission: Full Marks: 10, Obtained Marks: 9
Continuous Evaluation during practical classes: Full Marks: 10, Obtained Marks: 8
Final End-Semester assessment on an Experiment: Full Marks: 10, Obtained Marks: 7.5
Viva-Voice: Full Marks: 10, Obtained Marks: 10

Buttons: Preview, Save, Search, Update, Clear, Delete, Print, Exit

Record Saved Successfully.

- Realtime Update on database:

	Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code	Assesment / Project
	2211206001048	220010282760	Chintan Mondal	GUI with .NET	102302233	8
	2212206001107	220011070739	Anwesha Sarkar	JAVA	12111020	7
	2211206001099	220010999570	Amab Mondal	Business Study	1020301122	9
▶	2211206001071	220010894221	Souvick Das	GUI with .NET	102302233	9
*						

- We can search student data from the existing database:

Student Information
End Semester Assessments, Spring 2024

Student Details

Enrollment Number: 2211206001071
Registration No: 220010894221
Student Name: Souvick Das

Subject Details

Subject Name: GUI with .NET
Subject Code: 102302233

Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code	Assesment / Project
2211206001048	220010282760	Chintan Mondal	GUI with .NET	102302233	8
2212206001107	220011070739	Anwesha Sarkar	JAVA	12111020	7
2211206001099	220010999570	Amab Mondal	Business Study	1020301122	9
▶ 2211206001071	220010894221	Souvick Das	GUI with .NET	102302233	9

Theory - Internal Assessment / Project

Full Marks: 10
Obtained Marks: 9

Class Test / Quiz

Full Marks: 7.5
Obtained Marks: 7

Mid Semester

Full Marks: 25
Obtained Marks: 23

End Semester Assessment

Participation: Full Marks: 10, Obtained Marks: 10
Lab Assignments and Submission: Full Marks: 10, Obtained Marks: 9
Continuous Evaluation during practical classes: Full Marks: 10, Obtained Marks: 8
Final End-Semester assessment on an Experiment: Full Marks: 10, Obtained Marks: 7.5
Viva-Voice: Full Marks: 10, Obtained Marks: 10

Buttons: Preview, Save, Search, Update, Clear, Delete, Print, Exit

Project6
Record found successfully.

- Here the outcome after updating the data:

Student Information

End Semester Assessments, Spring 2024

Student Details

Enrollment Number: 2211206001071
 Registration No: 220010894221
 Student Name: Souvick Das

Subject Details

Subject Name: GUI with .NET
 Subject Code: 102302233

Theory - Internal Assessment / Project

Full Marks: 10
 Obtained Marks: 9

Class Test / Quiz

Full Marks: 7.5
 Obtained Marks: 6

Mid Semester

Full Marks: 25
 Obtained Marks: 23

End Semester Assessment

Participation: Full Marks: 10, Obtained Marks: 10
 Lab Assignments and Submission: Full Marks: 10, Obtained Marks: 9
 Continuous Evaluation during practical classes: Full Marks: 10, Obtained Marks: 8
 Final End-Semester assessment on an Experiment: Full Marks: 10, Obtained Marks: 7.5
 Viva-Voice: Full Marks: 10, Obtained Marks: 10

Buttons: Preview, Save, Search, Update, Clear, Delete, Print, Exit

Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code	Assesment / Project
2211206001048	220010282760	Chintan Mondal	GUI with .NET	102302233	8
2212206001107	220011070739	Anwesha Sarkar	JAVA	12111020	7
2211206001099	220010999570	Amab Mondal	Business Study	1020301122	9
2211206001071	220010894221	Souvick Das	GUI with .NET	102302233	9

- We can delete data with decision:

Student Information

End Semester Assessments, Spring 2024

Student Details

Enrollment Number: 2211206001099
 Registration No: 220010999570
 Student Name: Amab Mondal

Subject Details

Subject Name: Business Study
 Subject Code: 1020301122

Theory - Internal Assessment / Project

Full Marks: 10
 Obtained Marks: 9

Class Test / Quiz

Full Marks: 7.5
 Obtained Marks: 6

Mid Semester

Full Marks: 25
 Obtained Marks: 20

End Semester Assessment

Participation: Full Marks: 10, Obtained Marks: 10
 Lab Assignments and Submission: Full Marks: 10, Obtained Marks: 10
 Continuous Evaluation during practical classes: Full Marks: 10, Obtained Marks: 9
 Final End-Semester assessment on an Experiment: Full Marks: 10, Obtained Marks: 7
 Viva-Voice: Full Marks: 10, Obtained Marks: 8

Buttons: Preview, Save, Search, Update, Clear, Delete, Print, Exit

Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code	Assesment / Project
2211206001048	220010282760	Chintan Mondal	GUI with .NET	102302233	8
2212206001107	220011070739	Anwesha Sarkar	JAVA	12111020	7
2211206001099	220010999570	Amab Mondal	Business Study	1020301122	9
2211206001071	220010894221	Souvick Das	GUI with .NET	102302233	9

- Real-time update after data deletion:

	Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code	Assesment / Project
▶	2211206001048	220010282760	Chintan Mondal	GUI with .NET	102302233	8
	2212206001107	220011070739	Anwesha Sarkar	JAVA	12111020	7
	2211206001071	220010894221	Souvick Das	GUI with .NET	102302233	9
*						

- At the end we can exit the interface:

The screenshot shows the 'Student Information' application window. It contains several sections: 'Student Details' with input fields for Enrollment Number, Registration No, and Student Name; 'Subject Details' with input fields for Subject Name (Business Study) and Subject Code (102301122); 'Theory - Internal Assessment / Project' with input fields for Full Marks (10) and Obtained Marks; 'Mid Semester' with input fields for Full Marks (25) and Obtained Marks; and 'End Semester Assessment' with five sub-sections: Participation, Lab Assignments and Submission, Continuous Evaluation during practical classes, Final End-Semester assessment on an Experiment, and Viva-Voice, each with input fields for Full Marks and Obtained Marks. At the bottom, there are buttons for Preview, Save, Search, Update, Clear, Delete, Print, and Exit. An 'Exit Confirmation' dialog box is overlaid on the window, asking 'Are you sure you want to exit?' with 'Yes' and 'No' buttons.

- Here are the database Snapshots:

Evaluator Details								
School	Department	Program	Semester	Batch	Evaluator's Name	Evaluator's ID	Evaluation Date	
School of Engineering	Computer Science & Applications	BCA	5	2022-2025	Alamgir Sardar	1020	2024-11-19 21:04:06	
School of Engineering	Computer Science & Applications	BCA	5	2022-2025	Dr. Alamgir Sardar	1026	2024-11-18 18:40:08	
School of Engineering	Computer Science & Applications	BCA	4	2022-2025	Alamgir Sardar	1087	2024-11-19 20:45:27	
School of Engineering	Computer Science & Applications	BCA	3	2022-2026	Soumi dutta	1088	2024-11-26 21:53:12	
School of Engineering	Computer Science & Applications	MCA	6	2023-2027	Alamgir Sardar	10899	2024-11-26 21:53:12	
School of Engineering	Computer Science & Engineering	B.Tech in Computer Science and Engineering (Internet of Things)	2	2022-2026	SD	124	2024-11-12 21:49:35	
School of Business	Management	M.Tech. (Robotics and Automation Engineering)	5	2022-2026	Soma Das	16554	2024-11-23 16:43:24	
School of Engineering	Computer Science & Applications	BCA	5	2022-2025	Soumi Dutta	2103669	2024-11-18 10:22:36	

Evaluator Details		Student Details			
	Enrollment Number	Registration Number	Student Name	Subject Name	Subject Code
	2211206001048	220010282760	Chintan Mondal	GUI with .NET	102302233
	2211206001071	220010894221	Souvik Das	GUI with .NET	102302233
	2212206001107	220011070739	Anwesha Sarkar	JAVA	12111020
*					

Student Details								
Assesment / Project	Class Test / Quiz	Participation1	Mid Semester	Participation2	Lab_Assesment	Continuous_Evaluation	End_Semester_Experiment	Vice_Voice
8	7.4	7	23	8	7	9	9	10
9	6	6.2	23	10	9	8	7.5	10
7	7	7	20	8	9	6	10	8.7
*								

Chapter 6

Conclusion

The Result Management System is a web-based application designed to simplify and enhance the process of calculating, managing, and visualizing results for both students and faculty. Accessible from anywhere and at any time, this system provides a user-friendly interface that meets the requirements of academic institutions for efficient result management.

Our project successfully integrates modern tools and coding practices to deliver a package that satisfies organizational needs and serves as a powerful tool for managing academic data. The system not only automates result calculations but also provides an easy-to-navigate platform for users, ensuring accuracy, reliability, and efficiency in academic processes.

The objective of the project also includes creating a robust framework that enables better planning and reasonable estimates during software development. This allows for continuous improvement and updates as the project evolves. By meeting these goals, the Student Result Management System stands out as a practical, scalable, and impactful solution for academic institutions.

In conclusion, this project has achieved its purpose of streamlining result management while laying a strong foundation for potential future enhancements, ensuring its relevance and adaptability in dynamic academic environments.

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