
STUDENT
REPORT
MANAGEMENT
SYSTEM

APPENDIX 1

STUDENT REPORT MANAGEMENT SYSTEM

A PROJECT REPORT

Submitted by

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NAME OF THE CANDIDATE(S)

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in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

Chandigarh University

APRIL & 2022

APPENDIX 2

BONAFIDE CERTIFICATE

Certified that this project report **"STUDENT REPORT MANAGEMENT SYSTEM"** is the bonafide work of "**KADULURI HARSHITH"** who carried out the project work under my/our supervision **PARVEEN KAUR**.

SIGNATURE **SIGNATURE**

SUPERVISOR **HEAD OF THE DEPARTMENT**

Submitted for the project viva voice examination held on_____

INTERNAL EXAMINER **EXTERNAL EXAMINER**

Specimen

SOME PERFORMANCE ASPECTS CONSIDERATIONS OF A CLASS OF ARTIFICIAL NEURAL NETWORK

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ACKNOWLEDGEMENT

*I would like to express my special thanks of gratitude to my teacher **PARVEEN KAUR** who gave me the golden opportunity to do this wonderful project on the topic of **STUDENT REPORT MANAGEMENT SYSTEM**, which also helped me in doing a lot of Research and I came to know about so many new things I am thankful to them. Secondly, I would also like to thank my group members who helped me a lot in finalizing this project within the limited time frame.*

- Kaduluri Harshith
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1) Abstract -

Students form a main part of any institution that concerns with. But the institutions find it difficult to keep details of so many students of the organization just in one stretch. It will involve a lot of pen paperwork. Sometimes there will be some huge heap of files bundled up and kept together in some corner of the office. If you want any information regarding the particular student then it can be obtained by just entering the roll number or the name of the student to be searched. This student management system will make the work of storing the data in an organized way. The student management system application will help in managing the student's reports, results, and exams will become easier with one such system. It will also help in saving time and effort. The user interface must be user-friendly and easy to understand. The information about the particular student will be obtained in just one mouse click.

2) INTRODUCTION

The project Student Report Card Management is aimed to efficiently store and retrieve student examination reports. This project in C++ is a simple console application built without any graphical Interface. In this project, users can perform typical report card-related functions like adding a new student record and displaying, modifying, editing, and deleting it. File handling has been effectively used to perform all these. This project will teach you how to use file handling in C++, add, read, display, search, modify, and delete records from files. The key features and the functions used for the Student Report Card Management is:

1. Create student report card record: This feature creates a new student record containing his marks. void write_student(); function writes a record in a binary file. For the information to be provided is the name and roll no. of the student, and the marks obtained by him/her in 5 subjects – OOPs, Data Structures, Analog and Digital Electronics, Computer Organization and Architecture and Computer Oriented Statistical Methods.

2. Read all student's report card records: The void display_all(); function in this student report card management system project in C++ has been used for this feature. It shows the progress report of all the students was added to the file. This the feature displays the roll no. and name of all the students, the marks obtained by them in 5 subjects – OOPs, Data Structures, Analog and Digital Electronics, Computer Organization and Architecture and Computer-Oriented Statistical Methods along with the percentage and grade of each student.

3. Read specific student's report card record: This feature is the same as the one explained above, except it shows the progress report and relevant data related to a particular student. void display_sp(int) is used for this purpose.

4. Display all students' grade reports: This feature enlists all the students' records saved in a file. The grade report is displayed in a tabular form with roll no. and name of the students, marks achieved in the five subjects, and the grade and percentage obtained by them. void class_result(); is thus used.

5. Modify student's report card record: void modify_student(int); function is used to edit the report card record of a particular student. For this, the name and roll no. of the student is sought. Upon successful modification, the program displays the message "Record Updated". If no record of the student is found in the file, it displays the message "Record not found".

6. Delete student record: void delete_student(int); the function deletes the report card record of a particular student; it first of all asks for the name and roll no. of the student whose record is to be deleted.

3) LITERATURE REVIEW

How to Get the Most Out of Your Student Report Management Systems? With its rising popularity, more and more institutes are now adopting the student information report management system.

It’s no surprise that the global market size for student information systems tends to grow to USD 9.0 billion by 2023 from USD 5.0 billion in 2018.

Most schools use student information systems (SIS) as a standalone tool and use different applications for other purposes like classroom management, online course management, and more.

However, many products claim to offer all-in-one solutions.

But while deciding to implement an SIS solution, you need to be mindful of the tools and applications that you choose. Create and manage your stack of applications in a way that offers you maximum ROI.
Student Record Management Systems Features and Capabilities

Now let’s look at some of the features that a student record management system offers

1. Admission Management:

   The admission management module streamlines and automates every aspect of the admission process, including filling up online forms, fee submission, batch allotment, and document submission. It helps collect students' information quickly as well as accurately.

2. Attendance Management:

   This module allows teachers to mark and view the attendance of any respective students. Using the system, they can even share the attendance status of a student with their respective parents. It also keeps track of staff members' complete attendance records.

3. Document Management:

   Document management allows you to upload/enter complete students' details. It includes contact details, parents' details, report cards, health details, and more. All information is safely kept.

4. Fee Management:

   It helps you manage all the fee-related tasks such as accepting fees, keeping fee records, maintaining receipts, taking care of dues and refunds, and more. It also allows you to create the fee cycle of the school.

4) LIST OF FIGURES:

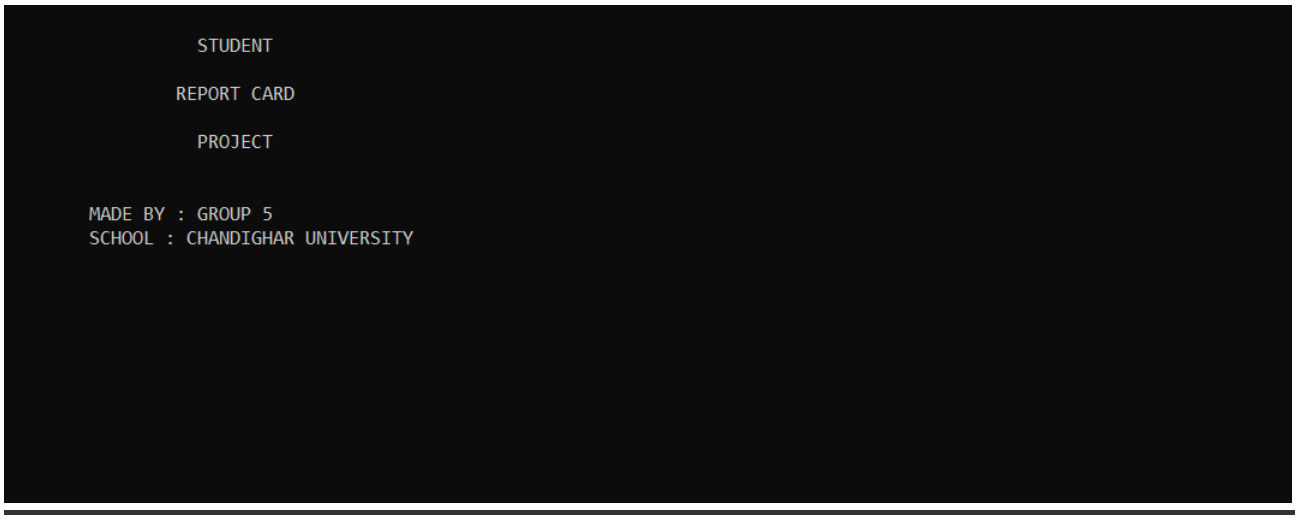

Fig 1 Interface

Fig 2 Main Menu

Fig 3 Result Menu

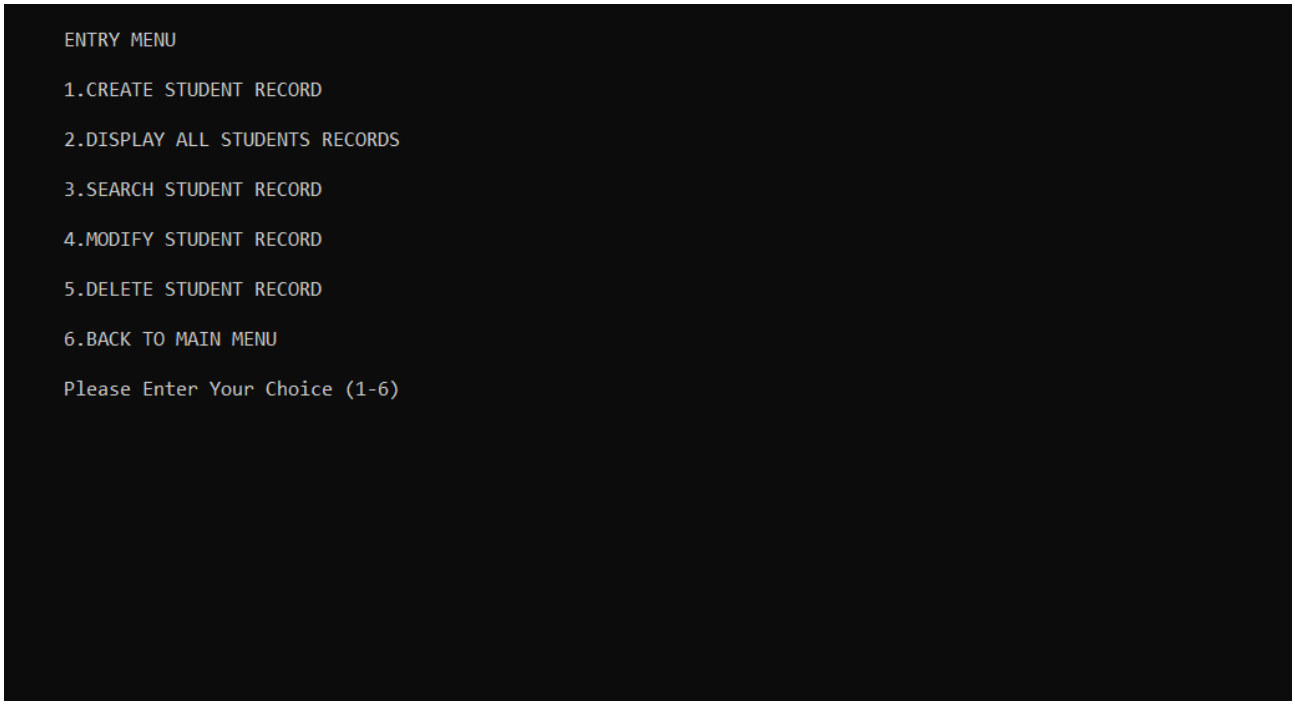

Fig 4 Entry Menu

5) REFERENCES :

[1] https://www.geeksforgeeks.org/file-handling-c classes/?ref=lbp
[2] https://www.geeksforgeeks.org/header-files-in-c-cpp-and-its uses/#:~:text=In%20C%2B%2B%20program%20has,just%20need%20to%20import%20them.

6) CONCLUSION :

This report contains the Student Report Card Management project made using CPP by Group #5, 21PH401(B) submitting for our Object-Oriented Programming using C++ mini project in the academic year 2021-22.