



Green University of Bangladesh
Department of Computer Science and Engineering (CSE)
Faculty of Sciences and Engineering
Semester: (Summer, Year:2022), B.Sc. in CSE (Day)

PROJECT PROPOSAL

Course Title: Data Structure And Algorithm Lab
Course Code: CSE 106 **Section:** 213 DC
Name of The Project : **Student Records Management System**

Student Details

	Name	ID
1.	Md Masud Rana	213902101

Submission Date: 20-08-2022

Course Teacher's Name: MD. Sultanul Islam Ovi , Lecturer of GUB.

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<u>Project Proposal Status</u>	
Marks:	Signature:
Comments:	Date:

1. TITLE OF THE PROJECT PROPOSAL

STUDENT RECORD MANAGEMENT SYSTEM

The mini-project “Student Record Management System in Data Structure And Algorithm” is a console application using the Data Structure and Algorithm with C programming language. This project compiled in Code Blocks with the GCC compiler. In this console application, I will complete some Data Structure like linked list and some Algorithm like any sorting algorithm . I will do basic Student Record system task like insert record, delete record, search record, find number of record in the list and sorting and some operation.

2. PROBLEM DOMAIN & MOTIVATIONS

- By implementing this projects anyone can manage various operation like student record add, delete, update, search and sort etc.
- This projects basically for Educational institute where one need to manage the student record.
- This projects ides Not only for Educational institute but also for any others field where one need to manage person information

3. OBJECTIVES/AIMS

- To perform student record management system, one can manage Student data easily in School and collage.
- Who want to manage many students record, he can use this project ideas to implement his projects.
- The main goal of this projects, actually how to use data structure and algorithm in projects or real life application or problem solving.

4. TOOLS & TECHNOLOGIES

I will use below tools and technologis

- **Tools:** Codeblocks , GNU-GCC compiler, windows.
- **Technology:** C And DSA.
- **Technologies:** Mainly Data Structure and Algorithm as well as Pointer, array, string, Function, user defined data type(structure) and dynamic memory allocation.

5. CONCLUSION

In this Project I will complete many thing using data structure and algorithm with c programming. This project ideas is basically student record management system. We know that in school collage we need to manage student record. So any can implement his application form this ideas. I will cover many topics in this project, for example: linked list, sorting algorithm and searching algorithm as well as pointer, dynamic memory allocation etc. using these topics I will perform some operation based on these topics like, add record, delete record ,update record, search record , count total number of record etc .i will do the project based on console application using GNU-gcc compiler in codeblock IDE. I hope this project be very interesting and effective

Thanks