

REPORT OF C PROGRAMMING PROJECT
At
MODEL INSTITUTE OF ENGINEERING AND
TECHNOLOGY

STUDENT MANAGEMENT SYSTEM

BACHELOR OF ENGINEERING
(COMPUTER SCIENCE ENGINEERING)

2021-2022



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UNIVERSITY: JAMMU UNIVERSITY

Branch CSE

SEMESTER 1

ACKNOWLEDGEMENT

Through this section of our report, we want to present our gratitude towards our institute MIET.

From here, we are able to work on projects that require you to analyses and solve a problem that exists in the real world. It is an experience that one can achieve rarely and we are happy and thankful to get that chance here. We would also like to thank our honourable director Professor

Ankur Gupta and our mentors Assistant Professor Bhagyalakshmi Magotra, Assistant Professor Pragti Jamwal for being a guiding force throughout this period.

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REFERENCE

It is with great Pleasure, we made this Project “STUDENT MANAGEMENT SYSTEM” UNDER THE Guidance of Assistant Prof. Bhagyalashmi Magotra and Assistant Prof. Pragati Jamwal and also with the help of Google and Wikipedia.

We completed this project Successfully within the limited Period of Time.

PROJECT SUMMARY

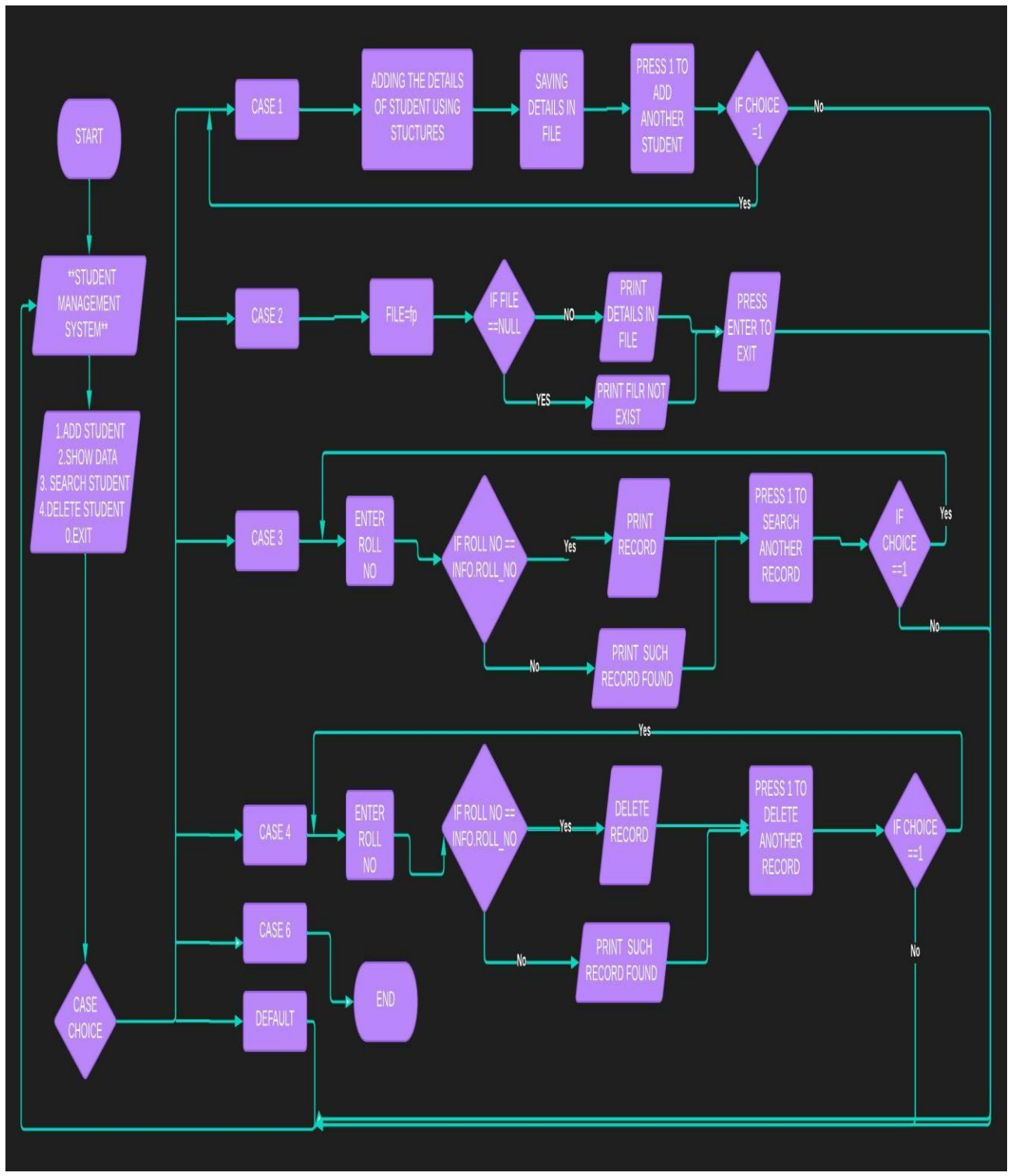
INTRODUCTION:

The Student Management System Developed by the students at Model Institute of Engineering & Technology can be used to add the Details of Student and make easier to Study the Records

PROBLEM STATEMENT:

All the Data gets Shuffled and becomes very difficult to study so this software helps to assemble a data and make it easier to study.

FLOWCHART



TEHNICAL DETAILS


```

switch(choice){
    case 1:
        addstudent();
        break;
    case 2:

        studentrecord();
        printf("\t\t\t\t press any key to exit..... \n");
        getch();

        break;

    case 3:

        searchstudent();
        printf("\n\t\t\t\t Press any key to exit.....\n");

        getch();

        break;

    case 4:

        delete();
        printf("\n\t\t\t\t Press any key to exit.....\n");
        getch();

        break;

    case 5:

        printf("\n\t\t\t\t Thank you, for used this software.\n\n");
        break;

    default :

        getch();
        printf("\n\t\t\t\t Enter a valid number\n\n");
        printf("\t\t\t\t Press any key to continue.....");
        getch();

        break;
}

printf("\t\t\t*****\n");
printf("Project Made by:\n");
printf("\t\t\t1.Amandeep Singh (2021a1R168)\n\t\t\t*****\n\t\t\t

```



```

void addstudent(){
    char another;
    FILE *fp;
    int n,i;
    struct student info;
do{
    printf("\t\t\t\t\t====Add Students Info====\n\n\n");
    fp=fopen("information.txt","a");

    printf("\n\t\t\t\t\tEnter First Name      : ");
    scanf("%s",&info.first_name);
    printf("\n\t\t\t\t\tEnter Last Name       : ");
    scanf("%s",&info.last_name);
    printf("\n\t\t\t\t\tEnter Roll-No        : ");
    scanf("%d",&info.roll_no);
    printf("\n\t\t\t\t\tEnter Class(course)  : ");
    scanf("%s",&info.Class);
    printf("\n\t\t\t\t\tEnter Address         : ");
    scanf("%s",&info.vill);
    printf("\n\t\t\t\t\tEnter Percentage     : ");
    scanf("%f",&info.per);
    printf("\n\t\t\t\t\t_____ \n");

    if(fp==NULL){
        fprintf(stderr,"can't open file");
    }else{
        printf("\t\t\t\t\tRecord stored successfully\n");
    }

    fwrite(&info, sizeof(struct student), 1, fp);
    fclose(fp);

    printf("\t\t\t\t\tYou want to add another record?(y/n) : ");

    scanf("%s",&another);
}

```

```

    }while(another=='y' || another=='Y');
}

void studentrecord(){
    FILE *fp;

    struct student info;
    fp=fopen("information.txt","r");

    printf("\t\t\t\t\t=====STUDENTS RECORD=====\\n\\n\\n");

    if(fp==NULL){
        fprintf(stderr,"can't open file\\n");

    }else{
        printf("\t\t\t\t\tRECORDS :\\n");
        printf("\t\t\t\t\t_____\\n\\n");

        while(fread(&info,sizeof(struct student),1,fp)){
            printf("\\n\\t\\t\\t\\t Student Name   : %s %s",info.first_name,info.last_name);
            printf("\\n\\t\\t\\t\\t Roll NO       : %d",info.roll_no);
            printf("\\n\\t\\t\\t\\t Class        : %s",info.Class);
            printf("\\n\\t\\t\\t\\t Village/City   : %s",info.vill);
            printf("\\n\\t\\t\\t\\t Percentage    : %f%",info.per);
            printf("\\n\\t\\t\\t\\t _____\\n");
        }
        fclose(fp);
        getch();
    }
}

```

```

void searchstudent(){
    struct student info;
    FILE *fp;
    int roll_no,found=0;

    fp=fopen("information.txt","r");
    printf("\t\t\t\t\t=====SEARCH STUDENTS RECORD=====\\n\\n\\n");
    printf("\t\t\t\t\tEnter the roll no : ");

    scanf("%d",&roll_no);

    while(fread(&info,sizeof(struct student),1,fp)>0){

        if(info.roll_no==roll_no){

            found=1;
            printf("\\n\\n\\t\\t\\tStudent Name : %s %s",info.first_name,info.last_name);
            printf("\\n\\t\\t\\tRoll NO      : %d",info.roll_no);
            printf("\\n\\t\\t\\tClass        : %s",info.Class);
            printf("\\n\\t\\t\\tAddress       : %s",info.vill);
            printf("\\n\\t\\t\\tPercentage    : %f%",info.per);
            printf("\\n\\t\\t\\t_____\\n");

        }

    }

    if(found==0){
        printf("\\n\\t\\t\\tRecord not found\\n");
    }

    fclose(fp);
    getch();
}

```

```

void delete(){
    struct student info;
    FILE *fp, *fp1;

    int roll_no,found=0;

    printf("\t\t\t\t\t=====DELETE STUDENTS RECORD=====\\n\\n\\n");
    fp=fopen("information.txt","r");
    fp1=fopen("temp.txt","w");
    printf("\t\t\t\t\tEnter the roll no : ");
    scanf("%d",&roll_no);
    if(fp==NULL){
        fprintf(stderr,"can't open file\\n");
    }
}

```

```

while(fread(&info,sizeof(struct student),1,fp)){
    if(info.roll_no == roll_no){

        found=1;

    }else{
        fwrite(&info,sizeof(struct student),1,fp1);
    }

}
fclose(fp);
fclose(fp1);

if(!found){
    printf("\n\t\t\t\tRecord not found\n");
}
if(found){
    remove("information.txt");
    rename("temp.txt","information.txt");

    printf("\n\t\t\t\tRecord deleted succesfully\n");
}

getch();
}

```

OUTPUTS

```
=====STUDENT DATABASE MANAGEMENT SYSTEM=====
```

1. Add Student
 2. Students Records
 3. Search Student
 4. Delete Student
 5. Exit
-

```
=====Add Students Info=====
```

```
Enter First Name      : Amandeep
```

```
Enter Last Name       : Singh
```

```
Enter Roll-No         : 168
```

```
Enter Class(course)   : CSE
```

```
Enter Address          : Jammu
```

```
Enter Percentage       : 90.5
```

```
Record stored successfully
```

```
You want to add another record?(y/n) : y
```

```
=====Add Students Info=====
```

```
Enter First Name      : Vyniyak
```

```
Enter Last Name       : Bhardwaj
```

```
Enter Roll-No         : 160
```

```
Enter Class(course)   : CSE
```

```
Enter Address          : Jammu
```

```
Enter Percentage       : 95
```

```
Record stored successfully
```

```
You want to add another record?(y/n) : _
```

1. Add Student
2. Students Records
3. Search Student
4. Delete Student
5. Exit

2

=====STUDENTS RECORD=====

RECORDS :

Student Name : Amandeep Singh
Roll NO : 168
Class : CSE
Village/City : Jammu
Percentage : 90.500000

Student Name : Vyniyak Bhardwaj
Roll NO : 160
Class : CSE
Village/City : Jammu
Percentage : 95.000000

1. Add Student
2. Students Records
3. Search Student
4. Delete Student
5. Exit

3

=====SEARCH STUDENTS RECORD=====

Enter the roll no : 168

Student Name : Amandeep Singh
Roll NO : 168
Class : CSE
Address : Jammu
Percentage : 90.500000

1. Add Student
2. Students Records
3. Search Student
4. Delete Student
5. Exit

4

=====DELETE STUDENTS RECORD=====

Enter the roll no : 160

Record deleted succesfully

Press any key to exit.....

=====STUDENT DATABASE MANAGEMENT SYSTEM=====

1. Add Student
2. Students Records
3. Search Student
4. Delete Student
5. Exit

2

=====STUDENTS RECORD=====

RECORDS :

Student Name : Amandeep Singh
Roll NO : 168
Class : CSE
Village/City : Jammu
Percentage : 90.500000

1. Add Student
2. Students Records
3. Search Student
4. Delete Student
5. Exit

5

Thank you, for used this software.

Project Made by:

1.Amandeep Singh (2021a1R168)

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3.Vanshak (2021A1R153)

4.Sahil Chib(2021A1R160)
