IT LAB REPORT

Student Management System

(SMS)

GROUP 64

Names of Students

Group 64:

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Student Management System (SMS)

This program is made for the students who face the problem in management of their schedule in the online mode of learning.

This program helps those students by being a single platform where the student will get the Link of ongoing class, Weekly Schedule, e-Library and much more.

CODE FOR THE PROGRAM

The code is divided into parts and all the parts are attached to a main file

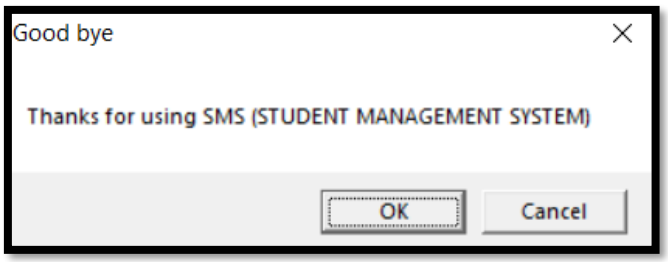
1. main.c (Main File)

~ Function

The main file as its name suggest is the main file of the program as it calls all other c files and attach to it. This file is the front page of this program it asks the user it's login credentials and also prints the menu in which user can choose the task he/she want to perform.

~ Methodology~

1. This file calls rest all the c files which is in the menu of the program by
   #include "bday.c"
2. Then, the program asks the student id of the user if the student id of the user.
3. To make this program look attractive we have used a Sleep(time) function which delay the next action to be performed by time ms.
4. This program require password for the users who have student ID between 202052314-202052319 and if the password is correct, the colour of the code changes to green (For which we have used system ("COLOR 0A")) else it will change to yellow.
5. To check student id for admin (202052314-202052319) there is a function named usercheck() which returns 0 if the student ID lies between 202052314-202052319 and password is also 9099. Else it returns 1.
6. A function is then made to print the menu and take the desired choice of user and call the respective function.
7. At the end we have added a message box which is displayed when the program ends. MessageBox(0, "Thanks for using SMS (STUDENT MANAGEMENT SYSTEM) ", "Good bye", 1);



~ Code ~

```
#include <stdio.h>
#include <conio.h>
#include <windows.h>
#include <stdlib.h>
#include <time.h>
#include "bday.c"
#include "classlink.c"
#include "schedule.c"
#include "contact.c"
#include "elibrary.c"
int usercheck(int id);
void timeprint();
void menuprint(int sid);
void menutopuser(int studentid);
void timeprint();
void endj()
{
    MessageBox(0, "Thanks for using SMS (STUDENT MANAGEMENT SYSTEM) ", "Good bye", 1);
}
void main()
{
    int sid, option;
    system("cls");
    system("COLOR 0D");
    printf("\t\t\t\t\t*********************************************\n");
    system("COLOR 0B");
    Sleep(150);
    printf("\t\t\t\t\t*                                           *\n");
    system("COLOR 0D");
    Sleep(150);
    printf("\t\t\t\t\t*  WELCOME TO THE STUDENT MANAGEMENT SYSTEM  *\n");
    system("COLOR 0F");
    Sleep(150);
    printf("\t\t\t\t\t*  -------------------X-------------------  *\n");
    system("COLOR 0B");
    Sleep(150);
    printf("\t\t\t\t\t*                                           *\n");
    system("COLOR 0D");
    Sleep(150);
    printf("\t\t\t\t\t*********************************************\n\n\n\n");
    system("COLOR 0F");
    Sleep(150);
    system("COLOR 0D");
    printf("Enter your login credentials");
    Sleep(500);
    printf("\n\nUserID : ");
    Sleep(250);
    scanf("%d", &sid);
    int admincheck = usercheck(sid);
    system("cls");
    if (admincheck == 0)
    {
```

```
54.         system("COLOR 0A");
55.         printf("\t\t\t\t\t\tWelcome ADMIN\n\n");
56.         timeprint();
57.         printf("\n");
58.         Sleep(200);
59.         switch (sid)
60.         {
61.         case 202052317:
62.             printf("USERNAME: Himanshu Kumar Verma\n\n");
63.             break;
64.         case 202052314:
65.             printf("USERNAME: Dinesh Kumar\n\n");
66.             break;
67.         case 202052315:
68.             printf("USERNAME: Govind sharma\n\n");
69.             break;
70.         case 202052316:
71.             printf("USERNAME: Himanshu Jain\n\n");
72.             break;
73.         case 202052318:
74.             printf("USERNAME: Jatin Raj Saini\n\n");
75.             break;
76.         case 202052319:
77.             printf("USERNAME: Jayant Asudhani\n\n");
78.             break;
79.         }
80.         menuprint(sid);
81.     }
82.     else
83.     {
84.         system("COLOR 0E");
85.         printf("\t\t\t\t\t\tWelcome USER\n\n");
86.         timeprint();
87.         printf("USER ID : %d", sid);
88.         printf("\n");
89.         menuprint(sid);
90.     }
91. }
92. int usercheck(int sid)
93. {
94.     int pass;
95.     if (sid <= 202052319 && sid >= 202052314)
96.     {
97.         printf("Enter the password : ");
98.         scanf("%d", &pass);
99.         if (pass == 9099)
100.          {
101.              return 0;
102.          }
103.          else
104.          {
105.              return 1;
106.          }
107.      }
```

```
}
void timeprint()
{
    time_t s, val = 1;
    struct tm *current_time;
    s = time(NULL);
    current_time = localtime(&s);
    printf("Time: %02d:%02d:%02d",
           current_time->tm_hour,
           current_time->tm_min,
           current_time->tm_sec);
    printf("\n");
    Sleep(150);
}
void menuprint(int sid)
{
    int option;

menu:
    printf("\n1. check What is special today?\n");
    Sleep(150);
    printf("2. Weekly Schedule");
    Sleep(150);
    printf("\n3. On-going Class link");
    Sleep(150);
    printf("\n4. e-Library");
    Sleep(150);
    printf("\n5. Contact");
    Sleep(150);
    printf("\n6. EXIT\n");
    Sleep(150);
    printf("\nSelect option from the above: ");
    Sleep(200);
    scanf("%d", &option);
    if (option == 1)
    {
        bday();
    }
    else if (option == 2)
    {
        schedule();
    }
    else if (option == 3)
    {
        classlink();
    }
    else if (option == 4)
    {
        elibrary();
    }
    else if (option == 5)
    {
        contact();
    }
```

```
162.      else if (option == 6)
163.      {
164.          endj();
165.      }
166.      else
167.      {
168.          printf("INVALID ENTRY!!! Enter the number of the options");
169.          system("cls");
170.          goto menu;
171.      }
172.      getch();
173.  }
```

2. bday.c (birthday file)

~ Function

The file 'bday.c' of the program Student Management System (SMS) is used to check the birthday on the date which the user inputs in it. You can let the system take date automatically or the user can also input date manually.

~ Methodology~

1. As the user select the option for checking that what is special on that day or any other date, then the file 'bday.c' comes into the action.
2. The logic behind it is that, the Nested if – else statement is used in it.
3. Firstly, we have declared a month with value as 1. Then if-else construct is used.
4. First the 'if' condition is checked by the system if that condition is proved wrong according to the input given by the user then the 'else – if' statement comes into action, if the condition given under the 'else – if' is also proved wrong than the other one comes into the action and the process gone in this way
5. If any of the condition is proved true then the 'printf' of that condition is comes into action.
6. If none of the condition is true then the last i.e., 'else' statement comes into action.
7. If the user inputs the date with month's value as 2, then the same process as month 1 comes into action. And it goes up to the month value 12^{th}.

~ Process of checking the Birthdays~

Firstly, choose the option for checking what's special. Then the system asks the user to enter the date manually or to let the system choose the date by itself automatically. Then simply click on 'ENTER' and the result is in front of the user.

~ Code ~

```
void bday()
{
    int month, date;
    system("cls");
    timeprint();
    Sleep(200);
    printf("\nEnter date in format dd/mm : ");
    scanf("%d/%d", &date, &month);
    bdaylist(date, month);
}

void bdaylist(int date, int month)
{
    system("COLOR 05");
    if (month == 1)
    {
        if (date == 25)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("VRANDA MAHAJAN");
        }
        else if (date == 5)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("LOKESH");
        }
        else if (date == 10)
        {

            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
```

```
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("KAMAL KUMAR");
    }

    else if (date == 2)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("HARSH JITESH DAWDA");
    }
    else if (date == 12)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("DHRUV DAVE");
    }
    else if (date == 17)
    {
        Sleep(300);

        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GARIMA MANGAL");
    }
    else if (date == 27)
    {
        Sleep(300);

        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
```

```
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("KESHAV GARG");
    }
    else if (date > 31)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nThis month has 31 days only ");
        Sleep(1000);
        bday();
    }
    else
    {

        Sleep(300);
        printf("There");
        Sleep(150);
        printf("is");
        Sleep(150);
        printf("no");
        Sleep(150);
        printf("Birthday");
        Sleep(150);
        printf("on");
        Sleep(150);
        printf("Entered");
        Sleep(150);
        printf("Date");
    }
}

else if (month == 2)
{
    if (date == 7)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("HIMANSHU KANOJIA");
    }
    else if (date == 8)
    {
        Sleep(300);
```

```
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("KALASH ABHAY KALA");
        }
        else if (date == 26)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("KANANI DARPAN ASHOKBHAI");
        }
        else if (date > 28)
        {
            printf("INVALID ");
            Sleep(100);
            printf("ACTION");
            Sleep(500);
            printf("\n\nThis month has 28 days only ");
            Sleep(1000);
            bday();
        }
        else
        {
            Sleep(300);
            printf("There");
            Sleep(150);
            printf("is");
            Sleep(150);
            printf("no");
            Sleep(150);
            printf("Birthday");
            Sleep(150);
            printf("on");
            Sleep(150);
            printf("Entered");
            Sleep(150);
            printf("Date");
        }
    }

    else if (month == 3)
    {
```

```
    if (date == 23)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("JOSHI TEJAS DEEPAK");
    }
    else if (date == 9)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("CHATARKAR CHANDRACHOOD NANDKISHOR");
    }
    else if (date == 10)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GADDE SAI SANTO SH");
    }
    else if (date == 12)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GUDUGUNTLA KARTHYKEYA");
    }
    else if (date == 5)
    {
```

```
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GYAN BABU");
    }
    else if (date == 27)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("MUGDHA SHARMA");
    }
    else if (date == 30)
    {
        Sleep(300);
        for (int i = 0; i < 5; i++)
        {
            system("cls");
            printf("\t\t\t\t\t\tWISH  ");
            system("COLOR 0B");
            Sleep(150);
            printf("HAPPY ");
            system("COLOR 0D");
            Sleep(150);
            printf("BIRTHDAY ");
            system("COLOR 0E");
            Sleep(150);
            printf("TO ");
            system("COLOR 0B");
            Sleep(150);
            system("COLOR 0D");
            printf("JATIN ");
            Sleep(150);
            printf("RAJ SAINI");
            Sleep(150);
        }
    }
    else if (date > 31)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
```

```
            Sleep(500);
            printf("\n\nThis month has 31 days only ");
            Sleep(1000);
            bday();
        }
        else
        {
            Sleep(300);
            printf("There");
            Sleep(150);
            printf("is");
            Sleep(150);
            printf("no");
            Sleep(150);
            printf("Birthday");
            Sleep(150);
            printf("on");
            Sleep(150);
            printf("Entered");
            Sleep(150);
            printf("Date");
        }
    }

    else if (month == 4)
    {
        if (date == 30)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("HARSH VERDHAN SINGH SHEKHAWAT");
        }
        else if (date == 6)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("KALASH SINGH JADOUN");
        }
        else if (date == 14)
        {
```

```
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("CHETAN VERMA");
        }
        else if (date > 30)
        {
            printf("INVALID ");
            Sleep(100);
            printf("ACTION");
            Sleep(500);
            printf("\n\nThis month has 30 days only ");
            Sleep(1000);
            bday();
        }
        else
        {
            Sleep(300);
            printf("There");
            Sleep(150);
            printf("is");
            Sleep(150);
            printf("no");
            Sleep(150);
            printf("Birthday");
            Sleep(150);
            printf("on");
            Sleep(150);
            printf("Entered");
            Sleep(150);
            printf("Date");
        }
    }

    else if (month == 5)
    {
        if (date == 28)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("HITESH KUMAR VERMA");
```

```
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("KAYALA VISHWAKSEN REDDY");
    }
    else if (date == 31)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("HOTWANI VISHAL RAMESHKUMAR");
    }
    else if (date == 27)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("JUKTA BARUA");
    }
    else if (date == 8)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("KAMLESH KUMAR");
    }
    else if (date == 3)
    {
        Sleep(300);
        printf("\nWISH  ");
```

```
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("CHITRANSHI SRIVASTAVA");
    }
    else if (date > 31)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nThis month has 31 days only ");
        Sleep(1000);
        bday();
    }
    else
    {
        Sleep(300);
        printf("There");
        Sleep(150);
        printf("is");
        Sleep(150);
        printf("no");
        Sleep(150);
        printf("Birthday");
        Sleep(150);
        printf("on");
        Sleep(150);
        printf("Entered");
        Sleep(150);
        printf("Date");
    }
}

else if (month == 6)
{
    if (date == 9)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("HARIOM KAUSHAL");
    }
    else if (date == 11)
```

```
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GAURAV VERMA");
    }
    else if (date > 30)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nThis month has 30 days only ");
        Sleep(1000);
        bday();
    }

    else
    {
        Sleep(300);
        printf("There");
        Sleep(150);
        printf("is");
        Sleep(150);
        printf("no");
        Sleep(150);
        printf("Birthday");
        Sleep(150);
        printf("on");
        Sleep(150);
        printf("Entered");
        Sleep(150);
        printf("Date");
    }
}

else if (month == 7)
{
    if (date == 30)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
```

```
        Sleep(150);
        printf("KAILASH KUMAR");
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("DEVANG PATEL");
    }
    else if (date == 9)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("DELHIWALA KEWAL");
    }
    else if (date == 15)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("DEVENDAR KUMAR");
    }
    else if (date == 17)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("DILIP KUMAR");
    }
    else if (date > 31)
    {
```

```
            printf("INVALID ");
            Sleep(100);
            printf("ACTION");
            Sleep(500);
            printf("\n\nThis month has 31 days only ");
            Sleep(1000);
            bday();
        }
        else
        {
            Sleep(300);
            printf("There");
            Sleep(150);
            printf("is");
            Sleep(150);
            printf("no");
            Sleep(150);
            printf("Birthday");
            Sleep(150);
            printf("on");
            Sleep(150);
            printf("Entered");
            Sleep(150);
            printf("Date");
        }
    }

    else if (month == 8)
    {
        if (date == 15)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("KESHAV BASODIYA");
        }
        else if (date == 8)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("DILESH CHAUHAN");
```

```
    }
    else if (date == 22)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GOPISETTI GIRIDHAR");
    }
    else if (date > 31)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nThis month has 31 days only ");
        Sleep(1000);
        bday();
    }
    else
    {
        Sleep(300);
        printf("There");
        Sleep(150);
        printf("is");
        Sleep(150);
        printf("no");
        Sleep(150);
        printf("Birthday");
        Sleep(150);
        printf("on");
        Sleep(150);
        printf("Entered");
        Sleep(150);
        printf("Date");
    }
}

else if (month == 9)
{
    if (date == 4)
    {

        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
```

```
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("DEEPANJANA DAS");
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("HARDIK GABRIYAL");
    }
    else if (date == 18)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GARV CHAUHAN");
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("KOTADIYA JANKI KALPESHBHAI");
    }
    else if (date > 30)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nThis month has 30 days only ");
        Sleep(1000);
        bday();
    }
    else
    {
        Sleep(300);
        printf("There");
        Sleep(150);
        printf("is");
```

```
        Sleep(150);
        printf("no");
        Sleep(150);
        printf("Birthday");
        Sleep(150);
        printf("on");
        Sleep(150);
        printf("Entered");
        Sleep(150);
        printf("Date");
    }
}

else if (month == 10)
{
    if (date == 11)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("HRITIK KUMAR");
    }
    else if (date == 16)
    {

        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GHIYA JAY MANISHBHAI");
        Sleep(1000);
        for (int i = 0; i < 5; i++)
        {
            system("cls");
            printf("\t\t\t\t\t\tWISH  ");
            system("COLOR 0B");
            Sleep(150);
            printf("HAPPY ");
            system("COLOR 0D");
            Sleep(150);
            printf("BIRTHDAY ");
            system("COLOR 0E");
            Sleep(150);
```

```
            printf("TO ");
            system("COLOR 0B");
            Sleep(150);
            system("COLOR 0D");
            printf("GOVIND ");
            Sleep(150);
            printf("SHARMA");
            Sleep(150);
        }
    }
    if (date == 2)
    {
        Sleep(300);
        for (int i = 0; i < 5; i++)
        {
            system("cls");
            printf("\t\t\t\t\t\tWISH  ");
            system("COLOR 0B");
            Sleep(150);
            printf("HAPPY ");
            system("COLOR 0D");
            Sleep(150);
            printf("BIRTHDAY ");
            system("COLOR 0E");
            Sleep(150);
            printf("TO ");
            system("COLOR 0B");
            Sleep(150);
            system("COLOR 0D");
            printf("HIMANSHU ");
            Sleep(150);
            printf("VERMA");
            Sleep(150);
        }
    }
    else if (date > 31)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nThis month has 31 days only ");
        Sleep(1000);
        bday();
    }
    else
    {
        Sleep(300);
        printf("There");
        Sleep(150);
        printf("is");
        Sleep(150);
        printf("no");
        Sleep(150);
```

```
            printf("Birthday");
            Sleep(150);
            printf("on");
            Sleep(150);
            printf("Entered");
            Sleep(150);
            printf("Date");
        }
    }

    else if (month == 11)
    {
        if (date == 10)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("JASHWIN GAUTAM");
        }
        else if (date == 20)
        {
            Sleep(300);
            printf("\nWISH  ");
            Sleep(150);
            printf("HAPPY ");
            Sleep(150);
            printf("BIRTHDAY ");
            Sleep(150);
            printf("TO ");
            Sleep(150);
            printf("DORADLA INDRA NEELA");
        }
        else if (date == 21)
        {
            Sleep(300);
            for (int i = 0; i < 5; i++)
            {
                system("cls");
                printf("\t\t\t\t\t\tWISH  ");
                system("COLOR 0B");
                Sleep(150);
                printf("HAPPY ");
                system("COLOR 0D");
                Sleep(150);
                printf("BIRTHDAY ");
                system("COLOR 0E");
                Sleep(150);
                printf("TO ");
```

```
            system("COLOR 0B");
            Sleep(150);
            system("COLOR 0D");
            printf("JAYANT ");
            Sleep(150);
            printf("ASUDHANI");
            Sleep(150);
        }
    }
    else if (date > 30)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nThis month has 30 days only ");
        Sleep(1000);
        bday();
    }
    else
    {
        Sleep(300);
        printf("There");
        Sleep(150);
        printf("is");
        Sleep(150);
        printf("no");
        Sleep(150);
        printf("Birthday");
        Sleep(150);
        printf("on");
        Sleep(150);
        printf("Entered");
        Sleep(150);
        printf("Date");
    }
}

else if (month == 12)
{
    if (date == 6)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("ISHAN PANDEY");
        Sleep(300);
        printf("\nWISH  ");
```

```
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("KOTINI SWATEJ");
    }
    else if (date == 4)
    {

        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("KALASH AMIT SHAH");
        Sleep(300);
        Sleep(300);
        for (int i = 0; i < 5; i++)
        {
            system("cls");
            printf("\t\t\t\t\t\tWISH  ");
            system("COLOR 0B");
            Sleep(150);
            printf("HAPPY ");
            system("COLOR 0D");
            Sleep(150);
            printf("BIRTHDAY ");
            system("COLOR 0E");
            Sleep(150);
            printf("TO ");
            system("COLOR 0B");
            Sleep(150);
            system("COLOR 0D");
            printf("HIMANSHU ");
            Sleep(150);
            printf("JAIN");
            Sleep(150);
        }
    }
    else if (date == 7)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
```

```
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("DHYEY SAVALIA");
    }
    else if (date == 11)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GHANSHYAM RATHORE");
    }
    else if (date == 21)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("GOSWAMI KRISHNA TAGORGIRI");
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("HAJA RAM");
    }
    else if (date == 31)
    {
        Sleep(300);
        printf("\nWISH  ");
        Sleep(150);
        printf("HAPPY ");
        Sleep(150);
        printf("BIRTHDAY ");
        Sleep(150);
        printf("TO ");
        Sleep(150);
        printf("KOMMULA CHIRANJEEVI SAGAR");
    }
```

```
    else if (date == 1)
    {
        Sleep(300);
        for (int i = 0; i < 5; i++)
        {
            system("cls");
            printf("\t\t\t\t\t\tWISH  ");
            system("COLOR 0B");
            Sleep(150);
            printf("HAPPY ");
            system("COLOR 0D");
            Sleep(150);
            printf("BIRTHDAY ");
            system("COLOR 0E");
            Sleep(150);
            printf("TO ");
            system("COLOR 0B");
            Sleep(150);
            system("COLOR 0D");
            printf("DINESH ");
            Sleep(150);
            printf("KUMAR");
            Sleep(150);
        }
    }
    else if (date > 31)
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nThis month has 31 days only ");
        Sleep(1000);
        bday();
    }
    else
    {
        Sleep(300);
        printf("There ");
        Sleep(150);
        printf("is ");
        Sleep(150);
        printf("no ");
        Sleep(150);
        printf("Birthday ");
        Sleep(150);
        printf("on ");
        Sleep(150);
        printf("Entered ");
        Sleep(150);
        printf("Date");
    }
}
```

```
    else
    {
        printf("INVALID ");
        Sleep(100);
        printf("ACTION");
        Sleep(500);
        printf("\n\nMonth can't be greater than 12");
        Sleep(1000);
        bday();
    }
    Sleep(150);
    printf("\n\nPress any key to exit");
    getch();
    endj();
}
```

3. schedule.c (schedule file)

Function-

The file “schedule.c” is the part of our project student management system (SMS). This part of our project will help students in checking the schedule of whole day with the start of the day so they can manage and utilize their time properly. Students get to know at what time, which subject lectures will be there on that day so they can attend the lecture on time.

Methodology-

1. As you select the option for schedule in SMS, you enters to the **shedule.c.**
2. There it asks to enter the day of which schedule to be shown, in which user enters the day which is stored as a set of array of characters which is compared with the pre defined data using if else statement in a user defined function named as **whichday.**
3. After entering the day ‘ schedule2’ function starts its work. This function includes switch case statement each case have the schedule of the specific day and as we enter the day the specific day schedule print on the screen.
4. Below the schedule of the day there are three option first is for renter the details and second is for exit and third one is for to go back. This options are created using if else statement.

- Labels are defined at all the required location in the code, for going back and exit **goto** statement is being used.
- For clearing screen **system(“cls”)** function is used.
- For coloring the text **system(“COLOR”)** fuction is being used. This comes under the “windows.h” header file

~ Code ~

```
int whichdays(char days[10]);
void schedule()
{
    char days[10];
    int day, input311;
    system("cls");
    printf("\t\t\t\t\tEnter the day you want to check\n\n");
    scanf("%s", days);
    day = whichdays(days);
    switch (day)
    {
    case 1:
        printf("\n\n08:00-08:55AM : IT101\n");
        Sleep(200);
        printf("09:00-09:55AM : HS101\n");
        Sleep(200);
        printf("10:15-11:10AM : EC100\n");
        Sleep(200);
        printf("11:15-12:10AM : NO CLASS\n\n");
        Sleep(200);
        printf("BREAK \n\n");
        Sleep(200);
        printf("3:30PM : HS101 LAB STARTS\n");
        Sleep(200);
        printf("5:30PM : HS101 LAB ENDS\n\n");

    question3111:
        printf("Enter 1 for links\nEnter 2 to exit\n\n");
        scanf("%d", &input311);
        switch (input311)
        {
        case 1:
            classlink();
            break;
        case 2:
            endj();
            break;
        default:
            printf("Enter a valid input\n\n");
            goto question3111;
        }
        break;
    case 2:
        printf("\n\n08:00-08:55AM : MA101\n");
        Sleep(200);
        printf("09:00-09:55AM : NO CLASS\n");
        Sleep(200);
        printf("10:15-11:10AM : PH100\n");
        Sleep(200);
        printf("11:15-12:10AM : NO CLASS\n\n");
        Sleep(200);
```

```
        printf("BREAK \n\n");
        Sleep(200);
        printf("2:30PM : PH160/EC160 LAB STARTS\n");
        Sleep(200);
        printf("5:30PM : PH160/EC160 LAB ENDS\n\n");
    question3112:
        printf("Enter 1 for links\nEnter 2 to exit\n\n");
        scanf("%d", &input311);
        switch (input311)
        {
        case 1:
            classlink();
            break;
        case 2:
            endj();
            break;
        default:
            printf("Enter a valid input\n\n");
            goto question3112;
        }
        break;
    case 3:
        printf("\n\n08:00-08:55AM : IT101\n");
        Sleep(200);
        printf("09:00-09:55AM : HS101\n");
        Sleep(200);
        printf("10:15-11:10AM : EC100\n");
        Sleep(200);
        printf("11:15-12:10AM : NO CLASS\n\n");
        Sleep(200);
        printf("BREAK \n\n");
        Sleep(200);
        printf("3:30PM : IT161 LAB STARTS\n");
        Sleep(200);
        printf("5:30PM : IT161 LAB ENDS\n\n");
    question3113:
        printf("Enter 1 for links\nEnter 2 to exit\n\n");
        scanf("%d", &input311);
        switch (input311)
        {
        case 1:
            classlink();
            break;
        case 2:
            endj();
            break;
        default:
            printf("Enter a valid input\n\n");
            goto question3113;
        }
        break;
    case 4:
        printf("\n\n08:00-08:55AM : PH100\n");
        Sleep(200);
```

```
        printf("09:00-09:55AM : NO CLASS\n");
        Sleep(200);
        printf("10:15-11:10AM : MA101\n");
        Sleep(200);
        printf("11:15-12:10AM : NO CLASS\n\n");
        Sleep(200);
        printf("BREAK \n\n");
        Sleep(200);
        printf("2:30-3:30PM : EC100 TUT\n");
        Sleep(200);
        printf("4:30-5:30PM : MA101 TUT\n\n");
    question3114:
        printf("Enter 1 for links\nEnter 2 to exit\n\n");
        scanf("%d", &input311);
        switch (input311)
        {
        case 1:
            classlink();
            break;
        case 2:
            endj();
            break;
        default:
            printf("Enter a valid input\n\n");
            goto question3114;
        }
        break;
    case 5:
        printf("\n\n08:00-08:55AM : EC100\n");
        Sleep(200);
        printf("09:00-09:55AM : MA101\n");
        Sleep(200);
        printf("10:15-11:10AM : IT101\n");
        Sleep(200);
        printf("11:15-12:10AM : PH100\n\n");
        Sleep(200);
        printf("BREAK \n\n");
        Sleep(200);
        printf("NO LAB AND TUTORIALS\n\n");
    question3115:
        printf("Enter 1 for links\nEnter 2 to exit\n\n");
        scanf("%d", &input311);
        switch (input311)
        {
        case 1:
            classlink();
            break;
        case 2:
            endj();
            break;
        default:
            printf("Enter a valid input\n\n");
            goto question3115;
        }
```

```
        break;
    case 6:
        printf("\n\nTODAY IS HOLIDAY!!!\n\n");
    question3116:
        printf("Enter 1 for links\nEnter 2 to exit\n\n");
        scanf("%d", &input311);
        switch (input311)
        {
        case 1:
            classlink();
            break;
        case 2:
            endj();
            break;
        default:
            printf("Enter a valid input\n\n");
            goto question3116;
        }
        break;
    }
}

int whichdays(char days[10])
{
    if (days[0] == 'm' || days[0] == 'M')
    {
        return 1;
    }
    else if (days[0] == 'w' || days[0] == 'W')
    {
        return 3;
    }
    else if (days[0] == 'f' || days[0] == 'F')
    {
        return 5;
    }
    else if (days[0] == 's' || days[0] == 'S')
    {
        return 6;
    }
    else if ((days[0] == 't' || days[0] == 'T') && (days[1] == 'h' || days[1] == 'H'))
    {
        return 4;
    }
    else if ((days[0] == 't' || days[0] == 'T') && (days[1] == 'u' || days[1] == 'U'))
    {
        return 2;
    }
    else
    {
        printf("\n\nInvalid day ");
        Sleep(150);
        printf("\n\nPress any key to re-enter the day");
        getch();
```

```
        schedule();
    }
}
```

4. classlink.c (Class Links file)

- **Function:-**

  This part of SMS will help you in checking What **class is currently going or which is the next according to the day and time you entered and it will provide the link the class** mentioned there at that moment. You can let the system take time automatically or you can also enter time manually.

  It can be very helpful at the last moments, just before starting a class. One have to first go though the routine to look what class is today and then have to keep their link somewhere which sometimes become very confusing and time taking.

- **Methodology:-**

  1. As you select the option for class link in SMS, you enters to the **classlink.c.**
  2. There it asks to enter what day is today, in which user enters the day which is stored as a set of array of characters which is compared with the pre defined data using if else statement in a user defined fiction named as **whichday.**
  3. After entering the day you enters the function named classlink it asks to either enter the time manually or let it be automatically. Which is done using switch case statement.
     a) If the user select manual entry, then it will ask him/her to enter the time in 24hr format.
     b) If the user select automatic entry, then it takes current time from the system using **time function** which comes under the "**time.h**" header file, and allot the value of hour and minute as the value of hr and min fiction.
  4. After taking the time using **if else statements** and **logical operations** it prints what class is next or which class is going on and provide it's link.

     - Labels are defined at all the required location in the code, For going back and exit **goto** statement is being used.
     - For clearing screen **system("cls")** function is used.
     - For colouring the text **system("COLOR")** fuction is being used. Which comes under the "**windows.h**" header file.

- Code

```
5. void classlink2();
6. int whichday(char days[10]);
7. void classlink()
8. {
9.     system("cls");
10.    timeprint();
11.    int ask1;
12.    classlink2();
13.firstquestion:
14.    printf("Press 1 to re-enter the details \nPress 2 to Exit\n\n");
15.    scanf("%d", &ask1);
16.    if (ask1 == 1)
17.    {
18.        classlink();
19.    }
20.    else if (ask1 == 2)
21.    {
22.        endj();
23.    }
24.    else
25.    {
26.        printf("Enter a valid input\n\n");
27.        goto firstquestion;
28.    }
29.}
30.// Askschedeule starts from here
31.void classlink2()
32.{
33.    time_t s, val = 1;
34.    time(&s);
35.    struct tm *current_time;
36.
37.    // time in seconds
38.    s = time(0);
39.
40.    // to get current time
41.    current_time = localtime(&s);
42.    char days[10];
43.    int day, hr, min, input1;
44.    system("cls");
45.    printf("\t\t\t\t\tPlease Enter what day is today\n\n");
46.    scanf("%s", days);
47.    day = whichday(days);
48.    switch (day)
49.    {
50.    case 1:
51.    asktime1:
52.        system("cls");
53.        printf("1.Enter time manually");
54.        Sleep(150);
```

```
55.         printf("\n2.Enter time automatically\n\n");
56.         scanf("%d", &input1);
57.         Sleep(150);
58.         printf("\n\n");
59.         switch (input1)
60.         {
61.         case 1:
62.             printf("\t\t\t\t  Enter the current time in 24hr(hh:mm) sytem\n\n");
63.             printf("Enter: ");
64.
65.             scanf("%d:%d", &hr, &min);
66.             printf("\n\n");
67.         monday:
68.             if (min >= 60)
69.             {
70.                 printf("Please Enter correct time \n\n");
71.                 goto asktime1;
72.             }
73.             else if (hr < 8 && (min >= 0 && min < 60))
74.             {
75.                 printf("Your next class is IT101\nLink : https://meet.google.com/fwk-vdzc-
   wdq\n\n");
76.             }
77.             else if (hr == 8 && (min >= 0 && min <= 55))
78.             {
79.                 printf("Your IT101 class is going on, join fast!!\nLink : https://meet.google.
   com/fwk-vdzc-wdq\n\n");
80.             }
81.             else if (hr == 8 && (min > 55 && min < 60))
82.             {
83.                 printf("Your next class is HS101 class\nGo to your mail for the link\nhttp://w
   ww.gmail.com\n\n");
84.             }
85.             else if (hr == 9 && (min >= 0 && min <= 55))
86.             {
87.                 printf("Your HS101 class is going on, join fast!!\nGo to your mail for the lin
   k\nhttp://www.gmail.com\n\n");
88.             }
89.             else if ((hr == 9 && (min > 55 && min < 60)) || (hr == 10 && (min >= 0 && min < 15
   )))
90.             {
91.                 printf("Your next class is EC100\nLink : https://meet.google.com/vzk-xmmf-
   qtr\n\n");
92.             }
93.             else if ((hr == 10 && (min >= 15 && min < 60)) || (hr == 11 && (min >= 0 && min <=
    10)))
94.             {
95.                 printf("Your EC100 class is going on, join fast!!\nLink : https://meet.google.
   com/vzk-xmmf-qtr\n\n");
96.             }
97.             else if ((hr == 11 && (min > 10 && min < 15)))
98.             {
99.                 printf("you do not have any class now\n\n");
```

```
                printf("Your next class is at 15:30\nWhich is HS Lab class\nGo to your mail f
   or the link\nhttp://www.gmail.com\n\n");
            }
            else if ((hr == 11 && (min >= 15 && min < 60)) || (hr == 12 && (min >= 0 && min <
   = 10)))
            {
                printf("you do not have any class now\n\n");
                printf("Your next class is at 15:30\nWhich is HS Lab class\nGo to your mail f
   or the link\nhttp://www.gmail.com\n\n");
            }
            else if ((hr == 12 && (min < 10 && min > 60)) || (hr == 13 && (min > 0 && min < 6
   0)) || (hr == 14 && (min > 0 && min < 30)))
            {
                printf("you have BREAK now\n\n");
                printf("Your next class is at 15:30\nWhich is HS Lab class\nGo to your mail f
   or the link\nhttp://www.gmail.com\n\n");
            }
            else if (hr == 14 && (min >= 30 && min < 60) || (hr == 15 && (min > 0 && min < 30
   )))
            {
                printf("you do not have any class now\n\n");
                printf("Your next class is at 15:30\nWhich is HS Lab class\nGo to your mail f
   or the link\nhttp://www.gmail.com\n\n");
            }
            else if (hr == 15 && (min >= 30 && min < 60) || (hr == 16 && (min > 0 && min < 30
   )))
            {
                printf("Your HS Lab class is going on, join fast!!\nGo to your mail for the l
   ink\nhttp://www.gmail.com\n\n");
            }
            else if (hr == 16 && (min >= 30 && min < 60) || (hr == 17 && (min > 0 && min < 30
   )))
            {
                printf("Your HS Lab class is going on, join fast!!\nGo to your mail for the l
   ink\nhttp://www.gmail.com\n\n");
            }
            else
            {
                printf("you do not have any class now\n\n");
            }
            break;
        case 2:
            hr = current_time->tm_hour;
            min = current_time->tm_min;
            goto monday;
            break;
        default:
            printf("Enter a valid input\n\n");
            goto asktime1;
            break;
        }
        break;
    case 2:
    asktime2:
```

```
143.        system("cls");
144.        printf("1.Enter time manually\n2.enter time automatically\n\n");
145.        scanf("%d", &input1);
146.        switch (input1)
147.        {
148.        case 1:
149.            printf("\t\t\t\t  Enter the current time in 24hr(hh:mm) sytem\n\n");
150.
151.            printf("Enter: ");
152.            scanf("%d:%d", &hr, &min);
153.            printf("\n\n");
154.        tuesday:
155.            if (min >= 60)
156.            {
157.                printf("Please Enter correct time \n\n");
158.                goto asktime2;
159.            }
160.            else if (hr < 8 && (min >= 0 && min < 60))
161.            {
162.                printf("Your next class is MA101\nLink : https://meet.google.com/dsu-mfya-
    wjh\n\n");
163.            }
164.            else if (hr == 8 && (min >= 0 && min <= 55))
165.            {
166.                printf("Your MA101 class is going on, join fast!!\nLink : https://meet.google
    .com/dsu-mfya-wjh\n\n");
167.            }
168.            else if (hr == 8 && (min > 55 && min < 60))
169.            {
170.                printf("you do not have any class now\n\n");
171.                printf("Your next class is at 10:15\nWhich is PH100 class\nLink : https://mee
    t.google.com/jyj-hcbr-psf\n\n");
172.            }
173.            else if (hr == 9 && (min >= 0 && min <= 55))
174.            {
175.                printf("you do not have any class now\n\n");
176.                printf("Your next class is at 10:15\nWhich is PH100 class\nLink : https://mee
    t.google.com/jyj-hcbr-psf\n\n");
177.            }
178.            else if ((hr == 9 && (min > 55 && min < 60)) || (hr == 10 && (min >= 0 && min < 1
    5)))
179.            {
180.                printf("Your next class is PH100\nLink : https://meet.google.com/jyj-hcbr-
    psf\n\n");
181.            }
182.            else if ((hr == 10 && (min >= 15 && min < 60)) || (hr == 11 && (min >= 0 && min <
    = 10)))
183.            {
184.                printf("Your PH100 class is going on, join fast!!\nLink : https://meet.google
    .com/jyj-hcbr-psf\n\n");
185.            }
186.            else if ((hr == 11 && (min > 10 && min < 15)))
187.            {
```

```
188.                printf("Your next class PH tutorial\nLink : meet.google.com/xzo-ptmm-
    vbc\n\n");
189.            }
190.            else if ((hr == 11 && (min >= 15 && min < 60)) || (hr == 12 && (min >= 0 && min <
    = 10)))
191.            {
192.                printf("Your PH tutorial is going on,join fast!!\nLink : meet.google.com/xzo-
    ptmm-vbc\n\n");
193.            }
194.            else if ((hr == 12 && (min < 10 && min > 60)) || (hr == 13 && (min > 0 && min < 6
    0)) || (hr == 14 && (min > 0 && min < 30)))
195.            {
196.                printf("you have BREAK now\n\n");
197.                printf("Your next class is at 14:30\nWhich is EC/PH Lab class\nEC Link : meet
    .google.com/vzk-xmmf-qtr\nPH Link : meet.google.com/xzo-ptmm-vbc\n\n");
198.            }
199.            else if (hr == 14 && (min >= 30 && min < 60) || (hr == 15 && (min > 0 && min < 30
    )))
200.            {
201.                printf("You EC/PH Lab is going on,join fast!!\nclass\nEC Link : meet.google.c
    om/vzk-xmmf-qtr\nPH Link : meet.google.com/xzo-ptmm-vbc\n\n");
202.            }
203.            else if (hr == 15 && (min >= 30 && min < 60) || (hr == 16 && (min > 0 && min < 30
    )))
204.            {
205.                printf("You EC/PH Lab is going on,join fast!!\nclass\nEC Link : meet.google.c
    om/vzk-xmmf-qtr\nPH Link : meet.google.com/xzo-ptmm-vbc\n\n");
206.                ;
207.            }
208.            else if (hr == 16 && (min >= 30 && min < 60) || (hr == 17 && (min > 0 && min < 30
    )))
209.            {
210.                printf("You EC/PH Lab is going on,join fast!!\nclass\nEC Link : meet.google.c
    om/vzk-xmmf-qtr\nPH Link : meet.google.com/xzo-ptmm-vbc\n\n");
211.            }
212.            else
213.            {
214.                printf("you do not have any class now\n\n");
215.            }
216.            break;
217.        case 2:
218.            hr = current_time->tm_hour;
219.            min = current_time->tm_min;
220.            goto tuesday;
221.            break;
222.        default:
223.            printf("Enter a valid input\n\n");
224.            goto asktime2;
225.            break;
226.        }
227.        break;
228.    case 3:
229.    asktime3:
230.        system("cls");
```

```
231.        printf("1.Enter time manually\n2.enter time automatically\n\n");
232.        scanf("%d", &input1);
233.        switch (input1)
234.        {
235.        case 1:
236.            printf("\t\t\t\t  Enter the current time in 24hr(hh:mm) sytem\n\n");
237.
238.            printf("Enter: ");
239.            scanf("%d:%d", &hr, &min);
240.            printf("\n\n");
241.        wednesday:
242.            if (min >= 60)
243.            {
244.                printf("Please Enter correct time \n\n");
245.                goto asktime3;
246.            }
247.            else if (hr < 8 && (min >= 0 && min < 60))
248.            {
249.                printf("Your next class is IT101\nLink : https://meet.google.com/fwk-vdzc-
    wdq\n\n");
250.            }
251.            else if (hr == 8 && (min >= 0 && min <= 55))
252.            {
253.                printf("Your IT101 class is going on, join fast!!\nLink : https://meet.google
    .com/fwk-vdzc-wdq\n\n");
254.            }
255.            else if (hr == 8 && (min > 55 && min < 60))
256.            {
257.                printf("Your next class is HS101 class\nGo to your mail for the link\nhttp://
    www.gmail.com\n\n");
258.            }
259.            else if (hr == 9 && (min >= 0 && min <= 55))
260.            {
261.                printf("Your HS101 class is going on, join fast!!\nGo to your mail for the li
    nk\nhttp://www.gmail.com\n\n");
262.            }
263.            else if ((hr == 9 && (min > 55 && min < 60)) || (hr == 10 && (min >= 0 && min < 1
    5)))
264.            {
265.                printf("Your next class is EC100\nLink : https://meet.google.com/vzk-xmmf-
    qtr\n\n");
266.            }
267.            else if ((hr == 10 && (min >= 15 && min < 60)) || (hr == 11 && (min >= 0 && min <
    = 10)))
268.            {
269.                printf("Your EC100 class is going on, join fast!!\nLink : https://meet.google
    .com/vzk-xmmf-qtr\n\n");
270.            }
271.            else if ((hr == 11 && (min > 10 && min < 15)))
272.            {
273.                printf("you do not have any class now\n\n");
274.                printf("Your next class is at 14:30\nWhich is IT Lab class\nLink : https://me
    et.google.com/fwk-vdzc-wdq\n\n");
275.            }
```

```
276.            else if ((hr == 11 && (min >= 15 && min < 60)) || (hr == 12 && (min >= 0 && min <
    = 10)))
277.            {
278.                printf("you do not have any class now\n\n");
279.                printf("Your next class is at 14:30\nWhich is IT Lab class\nLink : https://me
    et.google.com/fwk-vdzc-wdq\n\n");
280.            }
281.            else if ((hr == 12 && (min < 10 && min > 60)) || (hr == 13 && (min > 0 && min < 6
    0)) || (hr == 14 && (min > 0 && min < 30)))
282.            {
283.                printf("you have BREAK now\n\n");
284.                printf("Your next class is at 14:30\nWhich is IT Lab class\nLink : https://me
    et.google.com/fwk-vdzc-wdq\n\n");
285.            }
286.            else if (hr == 14 && (min >= 30 && min < 60) || (hr == 15 && (min > 0 && min < 30
    )))
287.            {
288.                printf("Your IT Lab is going on, join fast!!\nLink : https://meet.google.com/
    fwk-vdzc-wdq\n\n");
289.            }
290.            else if (hr == 15 && (min >= 30 && min < 60) || (hr == 16 && (min > 0 && min < 30
    )))
291.            {
292.                printf("Your IT Lab is going on, join fast!!\nLink : https://meet.google.com/
    fwk-vdzc-wdq\n\n");
293.            }
294.            else if (hr == 16 && (min >= 30 && min < 60) || (hr == 17 && (min > 0 && min < 30
    )))
295.            {
296.                printf("Your IT Lab is going on, join fast!!\nLink : https://meet.google.com/
    fwk-vdzc-wdq\n\n");
297.            }
298.            else
299.            {
300.                printf("you do not have any class now\n\n");
301.            }
302.            break;
303.        case 2:
304.            hr = current_time->tm_hour;
305.            min = current_time->tm_min;
306.            goto wednesday;
307.            break;
308.        default:
309.            printf("Enter a valid input\n\n");
310.            goto asktime3;
311.            break;
312.        }
313.        break;
314.    case 4:
315.    asktime4:
316.        system("cls");
317.        printf("1.Enter time manually\n2.enter time automatically\n\n");
318.        scanf("%d", &input1);
319.        switch (input1)
```

```
320.        {
321.        case 1:
322.            printf("\t\t\t\t  Enter the current time in 24hr(hh:mm) sytem\n\n");
323.
324.            printf("Enter: ");
325.            scanf("%d:%d", &hr, &min);
326.            printf("\n\n");
327.        thursday:
328.            if (min >= 60)
329.            {
330.                printf("Please Enter correct time \n\n");
331.                goto asktime4;
332.            }
333.            else if (hr < 8 && (min >= 0 && min < 60))
334.            {
335.                printf("Your next class is PH100\nLink : https://meet.google.com/jyj-hcbr-
    psf\n\n");
336.            }
337.            else if (hr == 8 && (min >= 0 && min <= 55))
338.            {
339.                printf("Your PH100 class is going on, join fast!!\nLink : https://meet.google
    .com/jyj-hcbr-psf\n\n");
340.            }
341.            else if (hr == 8 && (min > 55 && min < 60))
342.            {
343.                printf("you do not have any class now\n\n");
344.                printf("Your next class is at 10:15\nWhich is MA101 class\nLink : https://mee
    t.google.com/dsu-mfya-wjh\n\n");
345.            }
346.            else if (hr == 9 && (min >= 0 && min <= 55))
347.            {
348.                printf("you do not have any class now\n\n");
349.                printf("Your next class is at 10:15\nWhich is MA101 class\nLink : https://mee
    t.google.com/dsu-mfya-wjh\n\n");
350.            }
351.            else if ((hr == 9 && (min > 55 && min < 60)) || (hr == 10 && (min >= 0 && min < 1
    5)))
352.            {
353.                printf("Your next class is MA101\nLink : https://meet.google.com/dsu-mfya-
    wjh\n\n");
354.            }
355.            else if ((hr == 10 && (min >= 15 && min < 60)) || (hr == 11 && (min >= 0 && min <
    = 10)))
356.            {
357.                printf("Your MA101 class is going on, join fast!!\nLink : https://meet.google
    .com/dsu-mfya-wjh\n\n");
358.            }
359.            else if ((hr == 11 && (min > 10 && min < 15)))
360.            {
361.                printf("you do not have any class now\n\n");
362.                printf("Your next class is at 14:30\nwhich is EC tutorial\nLink : meet.google
    .com/vzk-xmmf-qtr");
363.            }
```

```
364.            else if ((hr == 11 && (min >= 15 && min < 60)) || (hr == 12 && (min >= 0 && min <
    = 10)))
365.            {
366.                printf("you do not have any class now\n\n");
367.                printf("Your next class is at 14:30\nwhich is EC tutorial\nLink : meet.google
    .com/vzk-xmmf-qtr");
368.            }
369.            else if ((hr == 12 && (min < 10 && min > 60)) || (hr == 13 && (min > 0 && min < 6
    0)) || (hr == 14 && (min > 0 && min < 30)))
370.            {
371.                printf("you have BREAK now\n\n");
372.                printf("Your next class is at 14:30\nwhich is EC tutorial\nLink : meet.google
    .com/vzk-xmmf-qtr");
373.            }
374.            else if (hr == 14 && (min >= 30 && min < 60) || (hr == 15 && (min > 0 && min < 30
    )))
375.            {
376.                printf("You EC tutorial is going on,join fast!!\nLink : meet.google.com/vzk-
    xmmf-qtr\n\n");
377.            }
378.            else if (hr == 15 && (min >= 30 && min < 60) || (hr == 16 && (min > 0 && min < 30
    )))
379.            {
380.                printf("you do not have any class now\n\n");
381.                printf("Your next class is at 16:30\nwhich is MA tutorial\nLink : meet.google
    .com/qfc-mfyd-zum\n\n");
382.            }
383.            else if (hr == 16 && (min >= 30 && min < 60) || (hr == 17 && (min > 0 && min < 30
    )))
384.            {
385.                printf("You MA tutorial is going on,join fast!!\nLink : qfc-mfyd-zum\n\n");
386.            }
387.            else
388.            {
389.                printf("you do not have any class now\n\n");
390.            }
391.            break;
392.        case 2:
393.            hr = current_time->tm_hour;
394.            min = current_time->tm_min;
395.            goto thursday;
396.            break;
397.        default:
398.            printf("Enter a valid input\n\n");
399.            goto asktime4;
400.            break;
401.        }
402.        break;
403.    case 5:
404.    asktime5:
405.        system("cls");
406.        printf("1.Enter time manually\n2.enter time automatically\n\n");
407.        scanf("%d", &input1);
408.        switch (input1)
```

```
409.        {
410.        case 1:
411.            printf("\t\t\t\t  Enter the current time in 24hr(hh:mm) sytem\n\n");
412.
413.            printf("Enter: ");
414.            scanf("%d:%d", &hr, &min);
415.            printf("\n\n");
416.        friday:
417.            if (min >= 60)
418.            {
419.                printf("Please Enter correct time \n\n");
420.                goto asktime5;
421.            }
422.            else if (hr < 8 && (min >= 0 && min < 60))
423.            {
424.                printf("Your next class is EC100\nLink : https://meet.google.com/vzk-xmmf-
    qtr\n\n");
425.            }
426.            else if (hr == 8 && (min >= 0 && min <= 55))
427.            {
428.                printf("Your EC100 class is going on, join fast!!\nLink : https://meet.google
    .com/vzk-xmmf-qtr\n\n");
429.            }
430.            else if (hr == 8 && (min > 55 && min < 60))
431.            {
432.                printf("Your next class is MA101\nLink : https://meet.google.com/dsu-mfya-
    wjh\n\n");
433.            }
434.            else if (hr == 9 && (min >= 0 && min <= 55))
435.            {
436.                printf("Your MA101 class is going on, join fast!!\nLink : https://meet.google
    .com/dsu-mfya-wjh\n\n");
437.            }
438.            else if ((hr == 9 && (min > 55 && min < 60)) || (hr == 10 && (min >= 0 && min < 1
    5)))
439.            {
440.                printf("Your next class is IT101\nLink : https://meet.google.com/fwk-vdzc-
    wdq\n\n");
441.            }
442.            else if ((hr == 10 && (min >= 15 && min < 60)) || (hr == 11 && (min >= 0 && min <
    = 10)))
443.            {
444.                printf("Your IT101 class is going on, join fast!!\nLink : https://meet.google
    .com/fwk-vdzc-wdq\n\n");
445.            }
446.            else if ((hr == 11 && (min > 10 && min < 15)))
447.            {
448.                printf("Your next class is PH100\nLink : https://meet.google.com/jyj-hcbr-
    psf\n\n");
449.            }
450.            else if ((hr == 11 && (min >= 15 && min < 60)) || (hr == 12 && (min >= 0 && min <
    = 10)))
451.            {
```

```
                printf("Your PH100 class is going on, join fast!!\nLink : https://meet.google
    .com/jyj-hcbr-psf\n\n");
            }
            else
            {
                printf("you do not have any class now\n\n");
            }
            break;
        case 2:
            hr = current_time->tm_hour;
            min = current_time->tm_min;
            goto friday;
            break;
        default:
            printf("Enter a valid input\n\n");
            goto asktime5;
            break;
        }
        break;
    case 6:
        system("cls");

        printf("\t\t\t\t\tToday is holiday.\nEnjoy!!\n\n");
        break;
    }
}
//The function below will check which day it is and return the number accordingly
int whichday(char days[10])
{
    if (days[0] == 'm' || days[0] == 'M')
    {
        return 1;
    }
    else if (days[0] == 'w' || days[0] == 'W')
    {
        return 3;
    }
    else if (days[0] == 'f' || days[0] == 'F')
    {
        return 5;
    }
    else if (days[0] == 's' || days[0] == 'S')
    {
        return 6;
    }
    else if ((days[0] == 't' || days[0] == 'T') && (days[1] == 'h' || days[1] == 'H'))
    {
        return 4;
    }
    else if ((days[0] == 't' || days[0] == 'T') && (days[1] == 'u' || days[1] == 'U'))
    {
        return 2;
    }
    else
```

```
505.    {
506.        printf("Enter the correct day ");
507.        classlink2();
508.    }
509.}
```

5. elibrary.c (e-Library file)

- **Functional:-**

In this part of SMS(School Management System) the user can check for all the necessary books for the syllabus and related studies, including some extra entertainment and knowledgeable books. The user will also get the instant links of the books for his/her convenience. It will make the shorting and finding the book really quick and easy.

- **Methodology:-**

1. As the user select the e-library option in the SMS he will enter the elibrary() function.
2. In this part he is asked to select the field whose book the user want. Which is done using printf and scanf statement.
3. After entering a desired entry. In the next part user is asked to select the book he want which is done using nested switch case statements.
4. Further in the next part user is asked for the edition and after selecting that he/she is derived to the respective link. All of this is done using nested switch case statements.
5. At the end of all the pages there is a go back option which is done using labels and goto function.
6. And for making the page look cleaner, system(“cls”) function is used.

~ Code ~

```
#include <stdio.h>
int elibrary()
{
    int input1, input11, input111, input112, input2, input21, input211, input212, input311;
    int input3, input31, input312, input4, input41, input411, input412;
    int input5, input51, input511, input512, input6, input61;
    question1:
    system("cls");
    printf("\t\t\t\t\t*********************************************\n");
    printf("\t\t\t\t\t*      WELCOME  TO  OUR  STUDENTS LIBRARY    *\n");
    printf("\t\t\t\t\t*  ------------------X------------------  *\n");
    printf("\t\t\t\t\t*                                         *\n");
    printf("\t\t\t\t\t*********************************************\n\n\n");
    printf("Enter 1 To Explore our COMPUTER SCIENCE AND INFORMATION SECTION\nEnter 2 To Explore ou
r MATHEMATICS SECTION\n");
    printf("Enter 3 To Explore our PHYSICS SECTION\nEnter 4 To Explore our ELECTRONIC AND CIRCUIT
SECTION\nEnter 5 To Explore our LITERATURE SECTION\n");
    printf("Enter 6 To Explore our non-acadmics SECTION\nEnter 7 To Exit\n\n");
    printf("Enter your choice : ");
    scanf("%d", &input1);
    printf("\n");
    switch (input1)
    {
    case 1:
    question11:
        system("cls");
        printf("\t\t\t\t\tWELCOME TO COMPUTER SCIENCE AND INFORMATION SECTION\n\n\n\n");
        printf("Enter 1 To Find Text book or reference books\n");
        printf("Enter 2 To Find lab manuals\nEnter 3 To go back\n\n");
        printf("Enter your choice : ");
        scanf("%d", &input11);
        switch (input11)
        {
        case 1:
        question111:
            system("cls");
            printf("ENTER 1 C How to Program, 7th Ed., P Deitel and H Deitel.\n");
            printf("Enter 2 C Programming Language, 2nd Ed., Kernighan, Brian W. & Ritchie, Dennis
.\n");
            printf("Enter 3 HTML and CSS Design and Build Websites.\n");
            printf("Enter 4 An Introduction to Understanding and Implementing Core Data Structure
and Algorithm Fundamentals-Apress (2019)\n");
            printf("Enter 5 To go back\n\n");
            scanf("%d", &input111);
            switch (input111)
            {
```

```
48.             case 1:
49.                 printf("https://drive.google.com/file/d/1F2k18QFtx_lO8mR9z30v43fqI_xKBHt2/view?usp
    =sharing\n\n");
50.                 break;
51.             case 2:
52.                 printf("https://drive.google.com/file/d/12F63gHDbkb42MPz1BBV2--
    kn0nFHq2pb/view?usp=sharing\n\n");
53.                 break;
54.             case 3:
55.                 printf("https://drive.google.com/file/d/1YwGDnecacjy2Hu2w3yJwtgGjLC8BzTC2/view?usp
    =sharing\n\n");
56.                 break;
57.             case 4:
58.                 printf("https://drive.google.com/file/d/1a11te2xCP2XKEEMsBGsCgK2oSKZKu7bR/view?usp
    =sharing\n\n");
59.                 break;
60.             case 5:
61.                 goto question11;
62.                 break;
63.             default:
64.                 printf("enter a valid input\n\n");
65.                 goto question111;
66.             }
67.             break;
68.         case 2:
69.         question112:
70.             system("cls");
71.             printf("Enter 1 Practical C Programming, 3rd Ed, Oualline, Steve, Shroff Publishers, 2
    000.\n");
72.             printf("Enter 2 C Programming:  A Modern Approach\n");
73.             printf("Enter 3 To go back\n\n");
74.             scanf("%d", &input112);
75.             switch (input112)
76.             {
77.             case 1:
78.                 printf("https://drive.google.com/file/d/1wFom9UTH1Wtu2dN0ZyYJO7tmLFOsI1j-
    /view?usp=sharing\n\n");
79.                 break;
80.             case 2:
81.                 printf("https://drive.google.com/file/d/1pR3U9nnRutiABW697vFA9M7U5ePcOL4P/view?usp
    =sharing\n\n");
82.                 break;
83.             case 3:
84.                 goto question11;
85.                 break;
86.             default:
87.                 printf("Enter a valid input\n\n");
88.                 goto question111;
89.                 break;
90.             }
91.             break;
92.         case 3:
93.             goto question1;
94.             break;
```

```
95.         }
96.         break;
97.     case 2:
98.     question21:
99.         system("cls");
100.          printf("\t\t\t\tWELCOME TO MATHEMATICS SECTION\n\n\n\n");
101.          printf("Enter 1 To Find text book or reference books\n");
102.          printf("Enter 2 To Find competitive books\nenter 3 to go back\n\n");
103.          printf("Enter your choice : ");
104.          scanf("%d", &input21);
105.          switch (input21)
106.          {
107.          case 1:
108.          question211:
109.              system("cls");
110.              printf("Enter 1 Introduction to Linear Algebra, Gilbert Strang, 5th Ed, SIAM, 2016.
   \n");
111.              printf("Enter 2 Linear Algebra, Kunze Ray, Hoffman Kenneth 2nd Ed, Phi Learning, 20
   14.\n");
112.              printf("Enter 3 Fundamentals of Matrix Computations, David S. Watkins, 3d ed, Wiley
   .\n");
113.              printf("Enter 4 Discrete Mathematical Structure, 4th Ed, B. Kolman, R.C. Busby and
   S. C. Ross, PHI, 2000.\n");
114.              printf("Enter 5 A.R. Heesterman - Handbook of linear algebra-
   World Scientific Publishing Company.\n");
115.              printf("Enter 6 To go back\n\n");
116.              printf("Enter your choice : ");
117.              scanf("%d", input211);
118.              switch (input211)
119.              {
120.              case 1:
121.                  printf("https://drive.google.com/file/d/11GRpXHUc-Gx10zLiI1kZb6WPr75-
   UevW/view?usp=sharing\n\n");
122.                  break;
123.              case 2:
124.                  printf("https://drive.google.com/file/d/1kLiyYvgF9WcHBm2c2dQpe3rkZcB5NCxS/view?
   usp=sharing\n\n");
125.                  break;
126.              case 3:
127.                  printf("https://drive.google.com/file/d/15MhUsHqR_7dEgAt_ZqbJq533rKC_4VVZ/view?
   usp=sharing\n\n");
128.                  break;
129.              case 4:
130.                  printf("https://drive.google.com/file/d/1VDETSMVGmKoeSTxYwpYu0Cxb7O9bo6Gr/view?
   usp=sharing\n\n");
131.                  break;
132.              case 5:
133.                  printf("https://drive.google.com/file/d/1Hw7kTFYq2bt5cJ_xSUJDJSzhDOQ40S1h/view?
   usp=sharing\n\n");
134.                  break;
135.              case 6:
136.                  goto question21;
137.                  break;
138.              default:
```

```
                printf("Enter a valid input\n\n");
                goto question211;
            }
            break;
        case 2:
        question212:
            system("cls");
            printf("Enter 1 Integral equations and boundary value problems.\n");
            printf("Enter 2 Advance differential equations\n");
            printf("Enter 3 To go back\n\n");
            printf("Enter your choice : ");
            scanf("%d", &input212);
            switch (input212)
            {
            case 1:
                printf("https://drive.google.com/file/d/1LbZviNgWBFl5QRWq0p_-tUsMqHHffpT3/view?usp=sharing\n\n");
                break;
            case 2:
                printf("https://drive.google.com/file/d/1BoHI0BgmzZLrXbKF2d7Tu4y6CvQKgl33/view?usp=sharing\n\n");
                break;
            case 3:
                goto question21;
                break;
            default:
                printf("Enter a valid input\n\n");
                goto question212;
            }
        break;
        case 3:
            goto question1;
            break;
        }
        break;
    case 3:
    question31:
        system("cls");
        printf("\t\t\t\tWELCOME TO PHYSICS SECTION\n\n\n\n");
        printf("Enter 1 To find text books or reference books\nEnter 2 To the find beyond the physics related books\n");
        printf("Enter 3 To go back\n\n");
        printf("Enter your choice : ");
        scanf("%d", &input31);
        switch (input31)
        {
        case 1:
        question311:
            system("cls");
            printf("Enter 1 An Introduction to Mechanics; D. Kleppner and R. Kolenkow, Second Edition.\n");
            printf("Enter 2 Concepts of Modern Physics:  Arthur Beiser, Sixth Edition.\n");
            printf("Enter 3 Heat and Thermodynamics:  M. W. Zemansky and R. H. Dittman, Seventh Edition.\n");
```

```
188.             printf("Enter 4 The Feynman Lectures on Physics, Vol-
   I & III, Feynman, Leighton and Sands; Pearson Education.\n");
189.             printf("Enter 5 Fundamental of thermodynamics,claus borgnakke,richard E sonntag.\n"
   );
190.             printf("Enter 6 to go back\n\n");
191.             scanf("%d", &input311);
192.             switch (input311)
193.             {
194.             case 1:
195.                 printf("https://drive.google.com/file/d/19EJqyPdQ_CscWbpTuOsFKOp6Ba1C06dz/view?
   usp=sharing\n\n");
196.                 break;
197.             case 2:
198.                 printf("https://drive.google.com/file/d/1RUmA6t21vn0Z45dYVzjzdW2BMhMkGdji/view?
   usp=sharing\n\n");
199.                 break;
200.             case 3:
201.                 printf("https://drive.google.com/file/d/18Ih_uPeoo1rHWmCeJnxNgD8QltBN2T8T/view?
   usp=sharing\n\n");
202.                 break;
203.             case 4:
204.                 printf("https://drive.google.com/file/d/1WqR0f_xHMA0PAwsOalfFRqHH--
   sJ1Fko/view?usp=sharing\n\n");
205.             case 5:
206.                 break;
207.                 printf("https://drive.google.com/file/d/1yYQhILapzidveLGx3qolp4njKZMnR6zw/view?
   usp=sharing\n\n");
208.                 break;
209.             case 6:
210.                 goto question31;
211.                 break;
212.             default:
213.                 printf("Enter a valid input\n\n");
214.                 goto question311;
215.             }
216.             break;
217.         case 2:
218.         question312:
219.             system("cls");
220.             printf("Enter 1 CHAOUS \n");
221.             printf("Enter 2 The theory of everything\n");
222.             printf("Enter 3 Introduction to quantum physics\n");
223.             printf("Enter 4 The order of time\n");
224.             printf("Enter 5 To go back\n\n");
225.             printf("Enter your choice : ");
226.             scanf("%d", &input312);
227.             switch (input312)
228.             {
229.             case 1:
230.                 printf("https://drive.google.com/file/d/1UWzlhMdiQlXVFdE57r1tHf1tue1JntJ3/view?
   usp=sharing\n\n");
231.                 break;
232.             case 2:
```

```
                printf("https://drive.google.com/file/d/1cQXjS-PLx02aCmWYwV72F2FUbh6zEj2O/view?usp=sharing\n\n");
                break;
            case 3:
                printf("https://drive.google.com/file/d/16AbkcMOXNGf4R02JNN8UNL0zNfUIUzX1/view?usp=sharing\n\n");
                break;
            case 4:
                printf("https://drive.google.com/file/d/19CKvXvn8z2NLsWLcJfcp-IFDTLtgypsu/view?usp=sharing\n\n");
                break;
            case 5:
                goto question31;
                break;
            default:
                printf("Enter a valid input\n\n");
                goto question312;
            }
            break;
        case 3:
            goto question1;
            break;
        }
        break;
    case 4:
    question41:
        system("cls");
        printf("\t\t\t\tWELCOME TO ELECTRONIC AND CIRCUITS SECTION\n\n\n\n");
        printf("Enter 1 To find text books or reference books\nEnter 2 To find competitive books\n");
        printf("Enter 3 To go back\n\n");
        printf("Enter your choice : ");
        scanf("%d", &input41);
        switch (input41)
        {
        case 1:
        question411:
            system("cls");
            printf("enter 1 Electronic Principles, 7th Ed, Albert Malvino, and David Bates, Tata McGraw-Hill, 2007.\n");
            printf("enter 2 Electronic Devices 9th Edition, Thomas L. Floyd, Pearson.\n");
            printf("enter 3 Microelectronic Circuits. Theory and Applications, A.S. Sedra and K.C. Smith, Oxford University Press, Sixth Edition.\n");
            printf("enter 4 Electronic devices and circuits,jacob millman\n");
            printf("enter 5 To go back\n\n");
            printf("Enter your choice : ");
            scanf("%d", &input411);
            switch (input411)
            {
            case 1:
                printf("https://drive.google.com/file/d/1Pgb_ypv01D63YZ3JHwXAM2lN_6x7h58G/view?usp=sharing\n\n");
                break;
            case 2:
```

```
                printf("https://drive.google.com/file/d/1wPAOc8YtrfJN91ylUPJxH76aWB8Ugadi/view?usp=sharing\n\n");
                break;
            case 3:
                printf("https://drive.google.com/file/d/1BUK7jUHm66JenunYRwQ19a-w1IV0c9UK/view?usp=sharing\n\n");
                break;
            case 4:
                printf("https://drive.google.com/file/d/1mnwIo7VUeUHcLenNwhYFGy8oWxER8vHU/view?usp=sharing\n\n");
                break;
            case 5:
                goto question41;
                break;
            default:
                printf("Enter a valid input\n\n");
                goto question411;
                break;
            }
            break;
        case 2:
        question412:
            system("cls");
            printf("Enter 1 fundamental of digital circuits by anand kumar.\n");
            printf("Enter 2 microelectronic circuits by adel sedra and kenneth C.smith.\n");
            printf("Enter 3 fundamentals of logic design by charles h roth.\n");
            printf("Enter 4 to go back\n\n");
            printf("Enter your choice : ");
            scanf("%d", &input412);
            switch (input412)
            {
            case 1:
                printf("https://drive.google.com/file/d/1BkREjgYz8vNS5DsgmZgZtvrINAmeDwVF/view?usp=sharing\n\n");
                break;
            case 2:
                printf("https://drive.google.com/file/d/1BUK7jUHm66JenunYRwQ19a-w1IV0c9UK/view?usp=sharing\n\n");
                break;
            case 3:
                printf("https://drive.google.com/file/d/1FvbSevkUPiqwsNUDuuFsUynTF4EUL-r-/view?usp=sharing\n\n");
                break;
            case 4:
                goto question41;
                break;
            }
        break;
        case 3:
            goto question1;
        }
        break;
    case 5:
    question51:
```

```
328.          system("cls");
329.          printf("\t\t\t\tWELCOME TO LITERATURE SECTION\n\n\n\n");
330.          printf("Enter 1 to find text books or reference books\nEnter 2 To explore novels and st
   uff.\n");
331.          printf("enter 3 to go back\n\n");
332.          printf("Enter your choice : ");
333.          scanf("%d", &input51);
334.          switch (input51)
335.          {
336.          case 1:
337.          question511:
338.              system("cls");
339.              printf("Enter 1 The Source Unleash Your Natural Energy, Power Up Your Health, and F
   eel 10 Years Younger-Free Press\n");
340.              printf("Enter 2 Technical Communication:  Principles and Practice, Second Edition,
   by Meenakshi Raman and Sangeeta Sharma, 2009.\n");
341.              printf("Enter 3 English and Communication Skills for Students of Science and Engine
   ering. Dhanavel, 2009.\n");
342.              printf("Enter 4 Scientific English:  A Guide for Scientists and Other Professionals
   . 2 nd ed. Day. R A.\n");
343.              printf("Enter 5 To go back\n\n");
344.              printf("Enter your choice : ");
345.              scanf("%d", &input511);
346.              switch (input511)
347.              {
348.              case 1:
349.                  printf("https://drive.google.com/file/d/1mUW_UMNDpBXdQP7M9oa1ova69HxcWPY_/view?
   usp=sharing\n\n");
350.                  break;
351.              case 2:
352.                  printf("https://drive.google.com/file/d/1pWrTaTgU3tbWYqBZIFNJYcwJ9EHnHxbD/view?
   usp=sharing\n\n");
353.                  break;
354.              case 3:
355.                  printf("https://drive.google.com/file/d/1R4bswifKp7GwlW3ltFGuaY6rdXWp4Mgy/view?
   usp=sharing\n\n");
356.                  break;
357.              case 4:
358.                  printf("https://drive.google.com/file/d/1V05KxsI4dCLCG0bGh6l5JpyETAOO1AcW/view?
   usp=sharing\n\n");
359.                  break;
360.              case 5:
361.                  goto question51;
362.                  break;
363.              default:
364.                  printf("Enter a valid input\n\n");
365.                  goto question511;
366.              }
367.          break;
368.          case 2:
369.          question512:
370.              system("cls");
371.              printf("Enter 1 One Minute Mysteries  65 More Short Mysteries You Solve With Scienc
   e-Science, Naturally.\n");
```

```
372.             printf("Enter 2 Mine Till Midnight (The Hathaways #1).\n");
373.             printf("Enter 3 Novel for students variation end .\n");
374.             printf("Enter 4 Tempt Me at Twilight.\n");
375.             printf("Enter 5 One night with You.\n");
376.             printf("Enter 6 To go back\n\n");
377.             printf("Enter your choice : ");
378.             scanf("%d", &input512);
379.             switch (input512)
380.             {
381.             case 1:
382.                 printf("https://drive.google.com/file/d/16qLaxyHsxeYVxpWq3Q7xd2MN8fU6QH-
    6/view?usp=sharing\n");
383.                 break;
384.             case 2:
385.                 printf("https://drive.google.com/file/d/1t0bVIB6_oR9DVvoM7b-
    v76CUMi_uW9EO/view?usp=sharing\n");
386.                 break;
387.             case 3:
388.                 printf("https://drive.google.com/file/d/1slEo5uozTvVXXo_CCOy42I3Q8SapP4UC/view?
    usp=sharing\n");
389.                 break;
390.             case 4:
391.                 printf("https://drive.google.com/file/d/1Wi6vxWLqWuaUJmsEYgOPaEZ50CpyABbV/view?
    usp=sharing\n");
392.                 break;
393.             case 5:
394.                 printf("https://drive.google.com/file/d/1v0AvFxudU6aeRfzi24Dvj-
    luPcl1G7Zk/view?usp=sharing\n");
395.                 break;
396.             case 6:
397.                 goto question51;
398.             default:
399.                 printf("Enter a valid input\n\n");
400.                 goto question512;
401.             }
402.             break;
403.         case 3:
404.             goto question1;
405.         }
406.         break;
407.     case 6:
408.     question61:
409.         system("cls");
410.         printf("enter 1 Anna Karenina by Leo Tolstoy.\n");
411.         printf("enter 2 Madame Bovary by Gustav Flaubert.\n");
412.         printf("enter 3 Marc Gopin - Holy war, holy peace,how religion can bring peace to the M
    iddle East-Oxford University Press \n");
413.         printf("enter 4 Lolita by Vladimir Nabokov.\n");
414.         printf("enter 5 The Adventures of Huckleberry Finn by Mark Twain.\n");
415.         printf("enter 6 In Search of Lost Time by Marcel Proust.\n");
416.         printf("enter 7 To go back\n\n");
417.         printf("Enter your choice : ");
418.         scanf("%d", &input61);
419.         switch (input61)
```

```
420.          {
421.          case 1:
422.              printf("https://drive.google.com/file/d/1a6Az1ljhyXvkNVkdr7N1NN9uqP2OndFR/view?usp=
   sharing\n");
423.              break;
424.          case 2:
425.              printf("https://drive.google.com/file/d/1yY-
   k3_bpo10AFkqrxPWSYgc1y8xk1sLX/view?usp=sharing\n");
426.              break;
427.          case 3:
428.              printf("https://drive.google.com/file/d/1PYa_B-
   2JQqXAgTFUFqligySclCZq_XdO/view?usp=sharing\n");
429.              break;
430.          case 4:
431.              printf("https://drive.google.com/file/d/1TmC8b6DFZ1TU3Y9O5SAll_w0MNDO1icb/view?usp=
   sharing\n");
432.              break;
433.          case 5:
434.              printf("https://drive.google.com/file/d/1fc7hWzw8Zc4cciR_2vVbFMTHWOVAGIeE/view?usp=
   sharing\n");
435.              break;
436.          case 6:
437.              printf("https://drive.google.com/file/d/12ZIjprvcDXvm7F_MHuvgcMjkiGoLbPpJ/view?usp=
   sharing\n");
438.              getch();
439.              break;
440.          case 7:
441.              goto question1;
442.          default:
443.              printf("Enter a valid input\n\n");
444.              goto question61;
445.          }
446.          break;
447.      case 7:
448.          goto end;
449.          break;
450.      default:
451.          printf("Enter a valid input\n\n");
452.          goto question1;
453.      }
454.  end:
455.      return 0;
456.  }
```

7. contact.c (contact info file)

Functions of contact.c :

The File conctact.c of the program student management system (SMS) is used to view contact dictator of IIIT Vadodara which include contact information of director,faculty and staff.

Methodology:

1. When user wants any contact information, contact.c file comes into action
2. According to user's requirement user can switch whom contact he/she want
3. Contact.c file is created using switch functions
4. First user can select whom contact he want and then user can see the contact information
5. Selecting the required option will print the required information
6. If user want some more information he can go back and select another options

Process:

Menu will display director, staff, faculty and Class representative option so that its easy for user to search his cateorgy in bunch of information. And after selecting required category user will ask to choose further post of the person in the institute so that SMS can display user the resulting information.

Code:

```
8. int contact()
9. {
10.  int option, type1, type2, t1, t2, t3, t4, t5, t6, t7, t8, t9, t10, t11, t12, t13, t14, t15;
11.start:
12.  system("cls");
13.  printf("\t\t WELCOME TO IIITVADODARA CONTACTS\n");
14.  printf("\t\t**********************************\n");
15.  printf("Campus loaction : c/o Block No.9, Government Engineering College, Sector-
   28, Gandhinagar, Gujarat - 382028\n");
16.  printf("Phone number    : +91-79-29750281\n");
17.  printf("Email           : administration@iiitvadodara.ac.in\n\n\n");
18.  printf("1.Director\n2.Staff\n3.Faculty\n4.Class Represntative (Batch2020-24)\n");
19.  printf("Enter option : ");
20.  scanf("%d", &option);
21.  system("cls");
22.
23.  switch (option)
24.  {
25.  case 1:
26.    system("cls");
27.    printf("Director:Prof Sarat Kumar Patra\nContact:skpatra@iiitvadodara.ac.in\n");
28.    printf("1.go back\n2.end\n");
29.    printf("enter option ");
30.    scanf("%d", &t1);
31.    switch (t1)
32.    {
33.    case 1:
34.      goto start;
35.      break;
36.
```

```
    case 2:
      goto end;
      break;

    default:
      printf("\n\nplease choose correct option");
    }

    break;

  case 2:
  mid1:
    system("cls");
    printf("1.Registrar\n2.project Engineer\n3.Assistant Registrar\n4.Jr. Technical Superintendent
   \n5.Junior Superintendent\n6.Administrative Assistant\n7.Counselor\n8.Campus Manager\n9.Jr. System
    Administrator\n10.Training and Placement Officer\n11.Back\n");
    printf("Enter option : ");
    scanf("%d", &type1);
    system("cls");
    switch (type1)
    {
    case 1:
      system("cls");
      printf("Name:Col Ravi Chugh\nContact : registrar@iiitvadodara.ac.in\n");
      printf("1.go back\n2.end\n");
      printf("enter option ");
      scanf("%d", &t2);
      switch (t2)
      {
      case 1:
        goto mid1;
        break;

      case 2:
        goto end;
        break;

      default:
        printf("\n\nplease choose correct option");
      }
      break;

    case 2:
      system("cls");
      printf("Name:Mr. N R Katwale\nContact : project_engineer@iiitvadodara.ac.in\n");
      printf("1.go back\n2.end\n");
      printf("enter option ");
      scanf("%d", &t3);
      switch (t3)
      {
      case 1:
        goto mid1;
        break;

```

```
89.       case 2:
90.         goto end;
91.         break;
92.
93.       default:
94.         printf("\n\nplease choose correct option");
95.       }
96.       break;
97.
98.     case 3:
99.       system("cls");
100.        printf("Name:Mr. Jigar Shah\nContact : jigar_shah@iiitvadodara.ac.in\n");
101.        printf("1.go back\n2.end\n");
102.        printf("enter option ");
103.        scanf("%d", &t4);
104.        switch (t4)
105.        {
106.        case 1:
107.          goto mid1;
108.          break;
109.
110.        case 2:
111.          goto end;
112.          break;
113.
114.        default:
115.          printf("\n\nplease choose correct option");
116.        }
117.        break;
118.
119.      case 4:
120.        system("cls");
121.        printf("Name:Mr. Jitu Sharma\nContact : jitusharma@iiitvadodara.ac.in\n");
122.        printf("1.go back\n2.end\n");
123.        printf("enter option ");
124.        scanf("%d", &t5);
125.        switch (t5)
126.        {
127.        case 1:
128.          goto mid1;
129.          break;
130.
131.        case 2:
132.          goto end;
133.          break;
134.
135.        default:
136.          printf("\n\nplease choose correct option");
137.        }
138.        break;
139.
140.      case 5:
141.        system("cls");
```

```
142.        printf("Name:Mr. Narendra Solanki\nContact : narendra@iiitvadodara.ac.in\n\nName:Mr. Gaut
    am Kumar Keshri\nContact : gautam@iiitvadodara.ac.in\n");
143.        printf("1.go back\n2.end\n");
144.        printf("enter option ");
145.        scanf("%d", &t6);
146.        switch (t6)
147.        {
148.        case 1:
149.          goto mid1;
150.          break;
151.
152.        case 2:
153.          goto end;
154.          break;
155.
156.        default:
157.          printf("\n\nplease choose correct option");
158.        }
159.        break;
160.
161.      case 6:
162.        system("cls");
163.        printf("Name:Mr. Haresh Kumavat\nContact : haresh@iiitvadodara.ac.in\n\n");
164.        Sleep(150);
165.        printf("Name:Mr. Abhishek Shah\nContact : abhishek@iiitvadodara.ac.in\n\n");
166.        Sleep(150);
167.        printf("Name:Mrs. Namrata Bhouraskar\nContact : namrata@iiitvadodara.ac.in\n\n");
168.        Sleep(150);
169.        printf("Name:Ms. Darshana Rana\nContact : darshana@iiitvadodara.ac.in\n\n");
170.        Sleep(150);
171.        printf("Name:Ms. Rishika Joshi\nContact : rgjoshi@iiitvadodara.ac.in\n\n");
172.        Sleep(150);
173.        printf("Name:Ms. Nisha Age\nContact : nisha.age@iiitvadodara.ac.in\n\n");
174.        Sleep(150);
175.        printf("Name:Ms. Shah Aneri Jagdishkumar\nContact : aneri.shah@iiitvadodara.ac.in\n\n");
176.        Sleep(150);
177.        printf("Name:Mr. Aakash Barapatre\nContact : aakash@iiitvadodara.ac.in\n\n");
178.        Sleep(150);
179.        printf("Name:Ms. Bijal Mehta\nContact : bijal@iiitvadodara.ac.in\n\n");
180.        Sleep(150);
181.        printf("1.go back\n2.end\n");
182.        printf("enter option ");
183.        scanf("%d", &t7);
184.        switch (t7)
185.        {
186.        case 1:
187.          goto mid1;
188.          break;
189.
190.        case 2:
191.          goto end;
192.          break;
193.
194.        default:
```

```
195.         printf("\n\nplease choose correct option");
196.       }
197.       break;
198.
199.     case 7:
200.       system("cls");
201.       printf("Name:Ms. Nitu Singh\nContact : counselor@iiitvadodara.ac.in\n");
202.       printf("1.go back\n2.end\n");
203.       printf("enter option ");
204.       scanf("%d", &t8);
205.       switch (t8)
206.       {
207.       case 1:
208.         goto mid1;
209.         break;
210.
211.       case 2:
212.         goto end;
213.         break;
214.
215.       default:
216.         printf("\n\nplease choose correct option");
217.       }
218.       break;
219.
220.     case 8:
221.       system("cls");
222.       printf("Name:Mr. Bhupendrasinh Gohil\nContact : campus_manager@iiitvadodara.ac.in\n");
223.       printf("1.go back\n2.end\n");
224.       printf("enter option ");
225.       scanf("%d", &t9);
226.       switch (t9)
227.       {
228.       case 1:
229.         goto mid1;
230.         break;
231.
232.       case 2:
233.         goto end;
234.         break;
235.
236.       default:
237.         printf("\n\nplease choose correct option");
238.       }
239.       break;
240.
241.     case 9:
242.       system("cls");
243.       printf("Name:Mr. Pratik Patel\nContact : pratikpatel@iiitvadodara.ac.in\n");
244.       printf("1.go back\n2.end\n");
245.       printf("enter option ");
246.       scanf("%d", &t10);
247.       switch (t10)
248.       {
```

```
249.       case 1:
250.         goto mid1;
251.         break;
252.
253.       case 2:
254.         goto end;
255.         break;
256.
257.       default:
258.         printf("\n\nplease choose correct option");
259.       }
260.       break;
261.
262.     case 10:
263.       system("cls");
264.       printf("Name:Mrs. Madhu Kumari\nContact : madhu_kumari@iiitvadodara.ac.in\n");
265.       printf("1.go back\n2.end\n");
266.       printf("enter option ");
267.       scanf("%d", &t11);
268.       switch (t11)
269.       {
270.       case 1:
271.         goto mid1;
272.         break;
273.
274.       case 2:
275.         goto end;
276.         break;
277.
278.       default:
279.         printf("\n\nplease choose correct option");
280.       }
281.       break;
282.
283.     case 11:
284.       goto start;
285.       break;
286.
287.     default:
288.       system("cls");
289.       printf("\n\nplease choose correct option");
290.     }
291.
292.     break;
293.   mid2:
294.   case 3:
295.     system("cls");
296.     printf("1.Faculty Computer Science & Engineering\n2.Faculty Electronics & Communication Eng
   ineering\n3.Faculty Science, Math, & Humanities\n4.back\n");
297.     printf("Enter option : ");
298.     scanf("%d", &type2);
299.     system("cls");
300.     switch (type2)
301.     {
```

```
302.      case 1:
303.        system("cls");
304.        printf("Name:Antriksh Goswami\nContact:antriksh_goswami@iiitvadodara.ac.in\n\n");
305.        Sleep(150);
306.        printf("Name:Ashish Phophalia\nContact:ashish_p@iiitvadodara.ac.in\n\n");
307.        Sleep(150);
308.        printf("Name:Bhanu murthy\nContact:bhanu_murthy@iiitvadodara.ac.in\n\n");
309.        Sleep(150);
310.        printf("Name:Naveen Kumar\nContact:naveen_kumar@iiitvadodara.ac.in\n\n");
311.        Sleep(150);
312.        printf("Name:Novarun Deb\nContact:novarun_deb@iiitvadodara.ac.in\n9830715623\n\n");
313.        Sleep(150);
314.        printf("Name:Pramit Mazumdar\nContact:pramit.mazumdar@iiitvadodara.ac.in\n\n");
315.        Sleep(150);
316.        printf("Name:Pratik Shah\nContact:pratik@iiitvadodara.ac.in\n\n");
317.        Sleep(150);
318.        printf("Name:Soumen Atta\nContact:soumen_atta@iiitvadodara.ac.in\n\n");
319.        Sleep(150);
320.        printf("Name:Jaishree Mayank\nContact:jaishree_mayank@iiitvadodara.ac.in\n\n");
321.        Sleep(150);
322.        printf("1.go back\n2.end\n");
323.        printf("enter option ");
324.        scanf("%d", &t12);
325.        switch (t12)
326.        {
327.        case 1:
328.          goto mid2;
329.          break;
330.
331.        case 2:
332.          goto end;
333.          break;
334.
335.        default:
336.          printf("\n\nplease choose correct option");
337.        }
338.        break;
339.
340.      case 2:
341.        system("cls");
342.        printf("Name:Bhupendra Kumar\nContact:bhupendra_kumar@iiitvadodara.ac.in\n\n");
343.        Sleep(150);
344.        printf("Name:Jignesh Bhatt\nContact:jignesh.bhatt@iiitvadodara.ac.in\n\n");
345.        Sleep(150);
346.        printf("Name:Kamal Kishor Jha\nContact:kamal@iiitvadodara.ac.in\n\n");
347.        Sleep(150);
348.        printf("Name:Sunil Dutt\nContact:sunil.dutt@iiitvadodara.ac.in\n\n");
349.        Sleep(150);
350.        printf("Name:Sunandita Debnath\nContact:sunandita_debnath@iiitvadodara.ac.in\n\n");
351.        Sleep(150);
352.        printf("1.go back\n2.end\n");
353.        printf("enter option ");
354.        scanf("%d", &t13);
355.        switch (t13)
```

```
356.       {
357.       case 1:
358.         goto mid2;
359.         break;
360.
361.       case 2:
362.         goto end;
363.         break;
364.
365.       default:
366.         printf("\n\nplease choose correct option");
367.       }
368.       break;
369.
370.     case 3:
371.       system("cls");
372.       printf("Name:Ajay Nath\nContact:ajay.nath@iiitvadodara.ac.in\n\n");
373.       Sleep(150);
374.       printf("Name:Amandeep Singh\nContact:aman_singh@iiitvadodara.ac.in\n\n");
375.       Sleep(150);
376.       printf("Name:Barnali Chetia\nContact:barnali@iiitvadodara.ac.in\n\n");
377.       Sleep(150);
378.       printf("Name:Dhirendra Sinha\nContact:dhirendra.sinha@iiitvadodara.ac.in\n\n");
379.       Sleep(150);
380.       printf("Name:Dibyendu Roy\nContact:dibyendu.roy@iiitvadodara.ac.in\n\n");
381.       Sleep(150);
382.       printf("Name:Manasi Kulkarni\nContact:manasi_kulkarni@iiitvadodara.ac.in\n9004657717\n\n"
   );
383.       Sleep(150);
384.       printf("Name:Swapnil Lokhande\nContact:swapnil@iiitvadodara.ac.in\n\n");
385.       Sleep(150);
386.       printf("Vivek Vyas\nContact:vivek.vyas@iiitvadodara.ac.in\n\n");
387.       Sleep(150);
388.       printf("1.go back\n2.end\n");
389.       printf("enter option ");
390.       scanf("%d", &t14);
391.       switch (t14)
392.       {
393.       case 1:
394.         goto mid2;
395.         break;
396.
397.       case 2:
398.         goto end;
399.         break;
400.
401.       default:
402.         printf("\n\nplease choose correct option");
403.       }
404.       break;
405.
406.     case 4:
407.       goto start;
408.       break;
```

```
409.
410.      default:
411.        system("cls");
412.        printf("\n\nplease choose correct option");
413.      }
414.
415.      break;
416.
417.    case 4:
418.      system("cls");
419.      printf("Name:Abhijit Patel\nMail:202051002@iiitvadodara.ac.in\nNumber:9428684050\n\n");
420.      Sleep(150);
421.      printf("Name:Anisha katiyar\nMail:202051027@iiitvadodara.ac.in\nNumber:8104178238\n\n");
422.      Sleep(150);
423.      printf("Name:Brijesh Agal\nMail:202051051@iiitvadodara.ac.in\nNumber:9898477901\n\n");
424.      Sleep(150);
425.      printf("Name:Chitranshi Srivastava\nMail:202051055@iiitvadodara.ac.in\nNumber:9455800633\n\
    n");
426.      Sleep(150);
427.      printf("Name:Keshav garg\nMail:202051102@iiitvadodara.ac.in\nNumber:6284677764\n\n");
428.      Sleep(150);
429.      printf("Name:Patel Nihar Rajendrakumar\nMail:202051139@iiitvadodara.ac.in\nNumber:960235716
    7\n\n");
430.      Sleep(150);
431.      printf("Name:Ronak jaiswal\nMail:202051162@iiitvadodara.ac.in\nNumber:9950793232\n\n");
432.      Sleep(150);
433.      printf("Name:Somya Jain\nMail:202052339@iiitvadodara.ac.in\nNumber:6261044348\n\n");
434.      Sleep(150);
435.      printf("Name:Sparsh Agrawal\nMail:202051182@iiitvadodara.ac.in\nNumber:7830613106\n\n");
436.      Sleep(150);
437.      printf("1.go back\n2.end\n");
438.      printf("enter option ");
439.      scanf("%d", &t15);
440.      switch (t15)
441.      {
442.      case 1:
443.        goto start;
444.        break;
445.
446.      case 2:
447.        goto end;
448.        break;
449.
450.      default:
451.        printf("\n\nplease choose correct option");
452.      }
453.      break;
454.
455.    default:
456.      system("cls");
457.      printf("\n\nplease choose correct option");
458.    }
459.    printf("\n\n\n*********************************************************************************
    ****************************************\n");
```

```
460.    printf(" Campus loaction : c/o Block No.9, Government Engineering College, Sector-
   28, Gandhinagar, Gujarat - 382028\n");
461.    printf(" Phone number    : +91-79-29750281\n");
462.    printf(" Email           : administration@iiitvadodara.ac.in\n\n\n");
463.
464.  end:
465.  endj();
466.    return 0;
467.  }
```

References:

Goto statement:- https://youtu.be/AWUxfROdzPc

system (“cls”):- https://youtu.be/lvaS4GP5Cxw

System(“COLOR”):- https://youtu.be/IOHhUDDZaRk

Time function:- https://www.geeksforgeeks.org/c-program-print-digital-clock-current-time/