

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Skill Based Project Report on Transport System

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Spana Kushwah** 0901CA211054 has submitted the project report titled **Transport System** under the mentorship of **Dr. Anshu Chaturvedi** (Professor) as the requirement of skill based mini project.



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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Master of Computer Application in Computer Science and Engineering at Madhav Institute of Technology and Science, Gwalior is an authenticated and original record of my work under the mentorship of **Dr. Anshu Chaturvedi (Professor)**.

I declare that I have submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

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0901CA211054

2021-2023

MASTER OF COMPUTER APPLICATION,
COMPUTER SCIENCE AND ENGINEERING

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ABSTRACT

The main purpose of this report is to carry out a critical analysis of the overall aspects in regards to the concept of the transport system. This report will focus on the strengths as well as weakness of the transport system.

Moreover, the research work for this report is done by the critical assessment of the articles, which developed a clear framework of the overall project. In the last section of this report, there exists a personal reflection in accordance to the report, which can be depicted as a personal analysis of the overall concept.

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1.Introduction

Transport System project is developed to automate transport operation like payment, booking order, delivery report, generating transactions receipt etc. in a transport office. Using this system user can computerize transport office work like billing, tracking payments, creating report etc.

The main job of the transporter is to provide transport service to consigner and consignee. Transportation system is a software application to maintain day to day transactions in transport office. Using this system user can manage transport work. He can select vehicle to transport the goods.

He can also track the vehicle delivery of goods. Customer can also book good transport order online. User can also check his goods delivery status online.

2.Objective

The main objective of this application is to automate the complete operations of the goods transporter office. In current system all work is getting done manually. User have to manage many things so it is very difficult to manage this business doing work manually.

Using this system user can automate many transport operation like billing, tracking payments, creating report etc. Using this system keeping records of transportation is easy. User can find any old records in few clicks. User can also generate old delivery reports and other report easily.

They need maintain hundreds of thousands of records. Also searching should be very faster so they can find required details instantly

2.Code

```
#include<fstream>
#include<iomanip>
#include<windows.h>
#include<conio.h>
#include <ctype.h>
#include<stdlib.h>
#include<iostream>
#include<cstring>
#include<stdio.h>
using namespace std;
void WaitKey();
void gotoXY(int x, int y);
HANDLE console = GetStdHandle(STD_OUTPUT_HANDLE);
COORD CursorPosition;
static int a;    //class specifications
class staff_login;
class student_login;
class register_now
{
    string name[10];
public:
    int notice();
    int instructionsform();
    int registration_form();
    int confirmform();
    int routes();
    friend student_login;
    friend staff_login;
};
class student_login
{
public:
    int login();
    int allotmentform();
    int contactdetails();
    int complaints();
    friend register_now;
};
class staff_login
{
public:
```



```

        cout<<"\n\n\n Select Your Option: ";
        cin>>u;
        switch(u)
        {
            case 1:system("COLOR 0F");
                s1.complaintbox();
                    break;
            case 2:system("COLOR 0F");
                s1.notice();
                    break;
            case 3:system("COLOR 0F");
                s1.allot_staffr();
                    break;
            case 4:system("COLOR 0F");
                system("cls");
                    cout<<"\n\n\n\n\n\n\n\n          LOADING PLEASE WAIT ... ";
                    Sleep(500);
                    return 0;
            default:return 0;
        }
    }
}

system("cls");
cout<<"\n\n\n      SORRY,"
    <<"\n      invalid username or password";
Sleep(300);
return 1;
}

int staff_login::notice()
{
    system("cls");
    fstream fin;
    fin.open("program.txt",ios::out | ios::app );
    fin<<endl;
    string mystr;
    getline (cin, mystr);
    cout << "Enter the Notice :";
    getline (cin, mystr);
    fin<<mystr;
    cout<<"\n\n\n\n\nEnter any key to return main menu :";
    getch();
    return 1;
}

int staff_login::complaintbox()
{
    char ch;

```



```

{
    system("cls");
    string j,tem[10];
    int i,d;
    cout<<"Enter your Username :";
    cin>>j;
    ifstream f8;
    f8.open("list_of_students",ios::in);
    f8.seekg(0,ios::beg);
    while(!f8.eof())
    {
        i++;
        string temp;
        f8 >> temp;
        if(temp == j)
        {
            d=f8.tellg();
            break;
        }
    }
    int y=d+6;
    int l=0;
    while(d!=y)
    {
        d++;
        string temp;
        f8>>temp;
        tem[l]=temp;
        l++;
    }
    system("cls");
    cout.setf(ios::left,ios::adjustfield);
    cout<<endl<<endl<<"    NAME :"<<tem[0];
    cout<<"          FATHER NAME :"<<tem[1];
    cout<<endl<<endl<<"    Ph_no:"<<tem[2];
    cout<<"          ADDRESS:"<<tem[3];
    cout<<endl<<endl<<"    Alloted seat Number:"<<tem[4];
    cout<<endl<<endl<<endl<<"\n          Total amount DUE : Rs "<<tem[5]<<"|-"<<endl<<endl
    <<"          student sign";
    cout<<"Enter any key to retun back to menu :";
    getch();
    return 1;
}
int student_login::complaints()
{
    char ch;
    system("cls");

```

```

ofstream fin9;
fin9.open("complaintbox.cpp",ios::app);
fin9<<endl;
string mystr;
getline (cin, mystr);
cout << "Enter the Complaint :";
getline (cin, mystr);
fin9<<mystr;
cout<<"\n\nEnter any key to return back to menu :";
getch();
return 1;
}
int student_login::contactdetails()
{
    system("cls");
    cout<<"\n\n\n Dr. B.Sreenivasa Reddy,\n Associate Professor,\n Dept. of Physics,"
    <<"\n Room no:K-201,"<<"\n CBIT,HYD,TELANGANA";
    cout<<"\n Phone no: 9832333393";
    cout<<"\n\nEnter any key to return back to menu :";
    getch();
    return 1;
}

```

```

// member functions definitions of register_now class
int register_now::instructionsform()
{
    system("cls");
    cout<<"\n\n ";
    char b[]="Read the following Instructions\n";
    int x=strlen(b);
    for(int i=0;i<x;i++)
    {
        Sleep(25);
        cout<<b[i];
    }
    char ch;
    char a;
    ifstream ins1;
    ins1.open("instructions.txt",ios::in);
    while(ins1)
    {
        ins1.get(ch);
        cout<<ch;
    }
    cout<<"To accept the above instructions press Y : ";
    cin>>a;
}

```



```

        }
        cout<<endl;
    }
    cout<<" ";
    for(int i=51;i<=60;i++)
    {
        cout<<setw(3)<<i;
    }
    string user4;
    cin>>name[4];
    cout<<"\n staff or student: ";
    cin>>user4;
    if(user4=="student"||"STUDENT")
    {
        cout<<endl<<endl<<"Your username :";
        cout<<"CBIT"<<a;
        cout<<endl<<"PASSWORD :";
        while(i<4)
        {
            pwd[i]=getch();
            putchar('*');
            ++i;
        }
        password=pwd;
        fil5<<"CBIT"<<a;
        fil5<<password<<"\n";
        name[5]="17000";
        cout<<name[5];
        fil5.close();
        fstream fil2;
        fil2.open("list_of_students",ios::in | ios::out | ios::app);
        fil2.seekg(74);
        fil2<<"CBIT"<<a<<" ";
        //fil2.setf(ios::left,ios::adjustfield);
        for(int i=0;i<6;i++)
        {
            fil2.setf(ios::left,ios::adjustfield);
            fil2<<setw(20)<<name[i];
            count++;
        }
        fil2<<endl;
        Sleep(500);
    }

    else
    {
        if(user4=="staff"||"STAFF")
        {
            cout<<endl<<endl<<"Your username :";

```

```

        cout<<"STAF"<<a;
        cout<<endl<<"PASSWORD :";
        while(i<4)
        {
            pwd[i]=getch();
            putchar('*');
            ++i;
        }
        password=pwd;
        fil5<<"STAF"<<a;
        fil5<<password<<"\n";
        name[5]="17000";
        cout<<name[5];
        fil5.close();
        fstream fil2;
        fil2.open("list_of_students",ios::in | ios::out | ios::app);
        fil2.seekg(74);
        fil2<<"STAF"<<a<<" ";
        //fil2.setf(ios::left,ios::adjustfield);
        for(int i=0;i<6;i++)
        {
            fil2.setf(ios::left,ios::adjustfield);
            fil2<<setw(20)<<name[i];
            count++;
        }
        fil2<<endl;
        Sleep(500);

    }
}

confirmform();
}
int register_now::confirmform()
{
    char ch;
    system("cls");
    char sentzz[]="*****CONFIRM FORM*****";
    int x;        //special dialogue
    int size;
    size=strlen(sentzz);
    for(x=0;x<size;x++)
    {
        Sleep(50);
        cout<<sentzz[x];
    }
}

```

```

cout.setf(ios::left,ios::adjustfield);
    cout<<endl<<endl<<"    NAME :"<<name[0];
    cout<<"            FATHER NAME :"<<name[1];
    cout<<endl<<endl<<"    Ph_no:"<<name[2];
    cout<<"            ADDRESS:"<<name[3];
    cout<<endl<<endl<<"    Alloted seat Number:"<<name[4];
    //cout<<endl<<endl<<"    Your username :"<<"CBIT"<<a;
    cout<<endl<<endl<<endl<<"            Total amount to be paid : Rs 17,000|- on or before 5th
july"<<endl
    <<endl<<endl<<"                                student sign";
/*fil2.seekg(0,ios::end);
int b=fil2.tellg();
fil2.seekg(-100,ios::end);
while(fil2)
{
    int a=fil2.tellg();
    cout<<"NAME:";
        if(a!=b)
        {
            fil2.get(ch);
            cout<<ch;
        }
    }*/
int a;
Sleep(400);
cout<<endl<<endl<<"    Enter any key to return back to main menu :";
getch();
return 1;
}

int register_now::routes()
{
    char ch;
    system("cls");
    fstream fil4;
    fil4.open("ROUTES.cpp",ios::in);
    while(fil4)
    {
        fil4.get(ch);
        cout<<ch;
    }
}

int register_now::notice()
{
    system("cls");
    char ch;
    ifstream f2;
    f2.open("program.txt",ios::in );
    while(f2)
    {

```

```

                f2.get(ch);
                cout<<ch;
            }
            cout<<"\n\n Enter any to return back to menu :";
            getch();
            return 1;
        }

int main() //functioncall1353
{
    char ch;
    system("COLOR 0F");
    while(1)
    {
        system("cls");
        cout<<endl<<endl;
        fstream f2;
        f2.open("sysmbol.txt",ios::in);
        while(f2)
        {
            f2.get(ch);
            cout<<ch;

        }
        Sleep(10);
        system("COLOR 0");
        char a[]="                \xdb\xdb\xdb\xdb\xdb\xdb\xdb\xdb\xdb\xdb\xdb STUDENT
TRANSPORT MGMT \xdb\xdb\xdb\xdb\xdb\xdb\xdb\xdb\xdb\xdb\xdb";
        int size;
        size=strlen(a);
        for(int i=0;i<size;i++)
        {
            Sleep(25);
            cout<<a[i];

        }
        int c=1;
        cout<<endl<<endl;
        Sleep(0);
        cout<<"\n                \t\t1.REGISTER NOW \n                \t\t2.STAFF LOGIN \n
\t\t3.STUDENT LOGIN \n"
        <<"                \t\t4.NOTICES";
        for(int i=0;i<1;i++)
        {
            int x = 16;
            int y = 10;
            for (y=4;y<13;y++)
            {
                gotoXY(x,y);
                cout << "\xdb";
            }
        }
    }
}

```

```

        Sleep(100);
        // gotoXY(x,y);
        // cout << "
        }
        y=13;
        for (x=16;x<63;x++)
        {
        gotoXY(x,y);
        cout << "\xdb";
        Sleep(20);
        // gotoXY(x,y);
        // cout << "
        }
        for (y=4;y<14;y++)
        {
        gotoXY(x,y);
        cout << "\xdb";
        Sleep(100);
        // gotoXY(x,y);
        // cout << "
        }
    }

    for(int i=0;i<1;i++)
    {
        int x = 1;
        int y = 15;
        for (x=40;x>1;x--)
        {
            gotoXY(x,y);
            cout << "BROUGHT TO YOU BY PIES";
            Sleep(100);
            gotoXY(x,y);
            cout << "
            ";
            cout<<"
            ";
        }
        cout << endl<<"    Created By itsourcecode.com"<< endl;
    }

    register_now r1;
    staff_login s1;
    student_login s2;
    int ch;
    cout<<"\nSelect Your Option :";
    cin>>ch;
    fstream f1;
    switch(ch)
    {
        case 1:system("COLOR 0F");
                r1.instructionsform();
    }

```

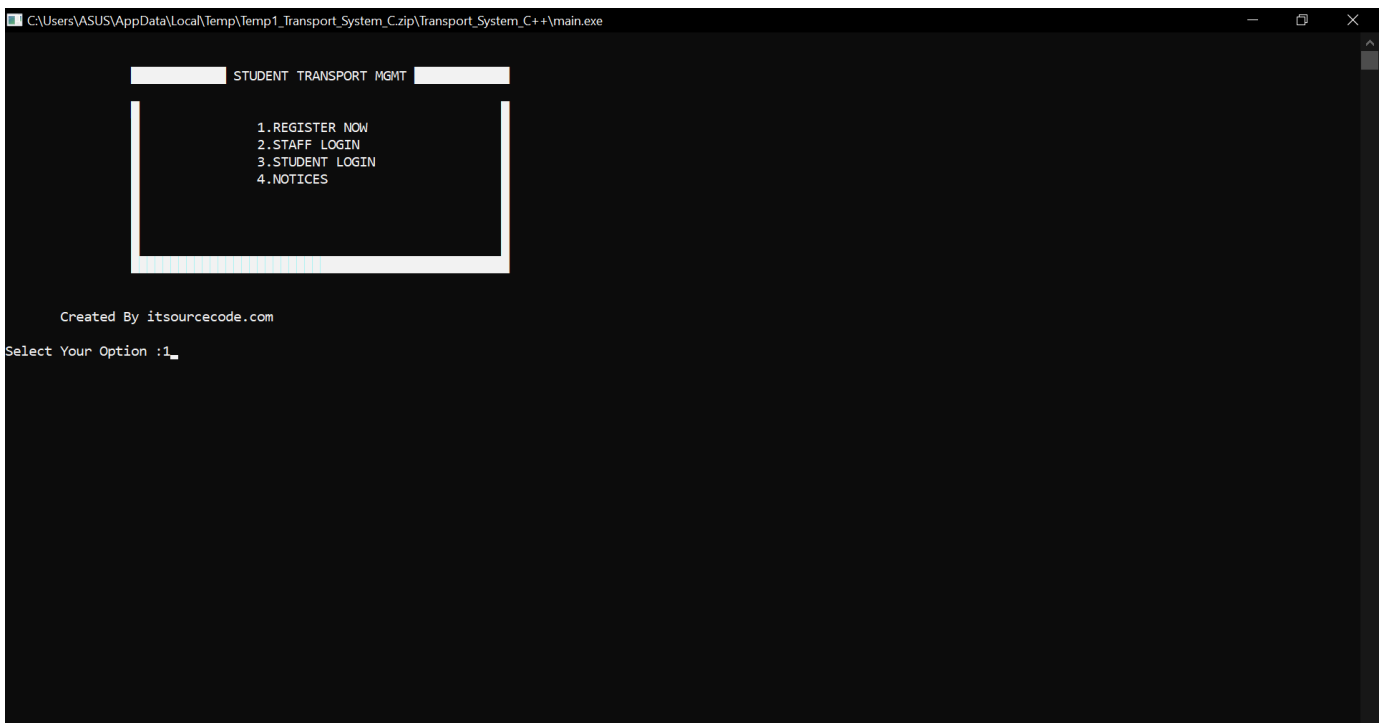
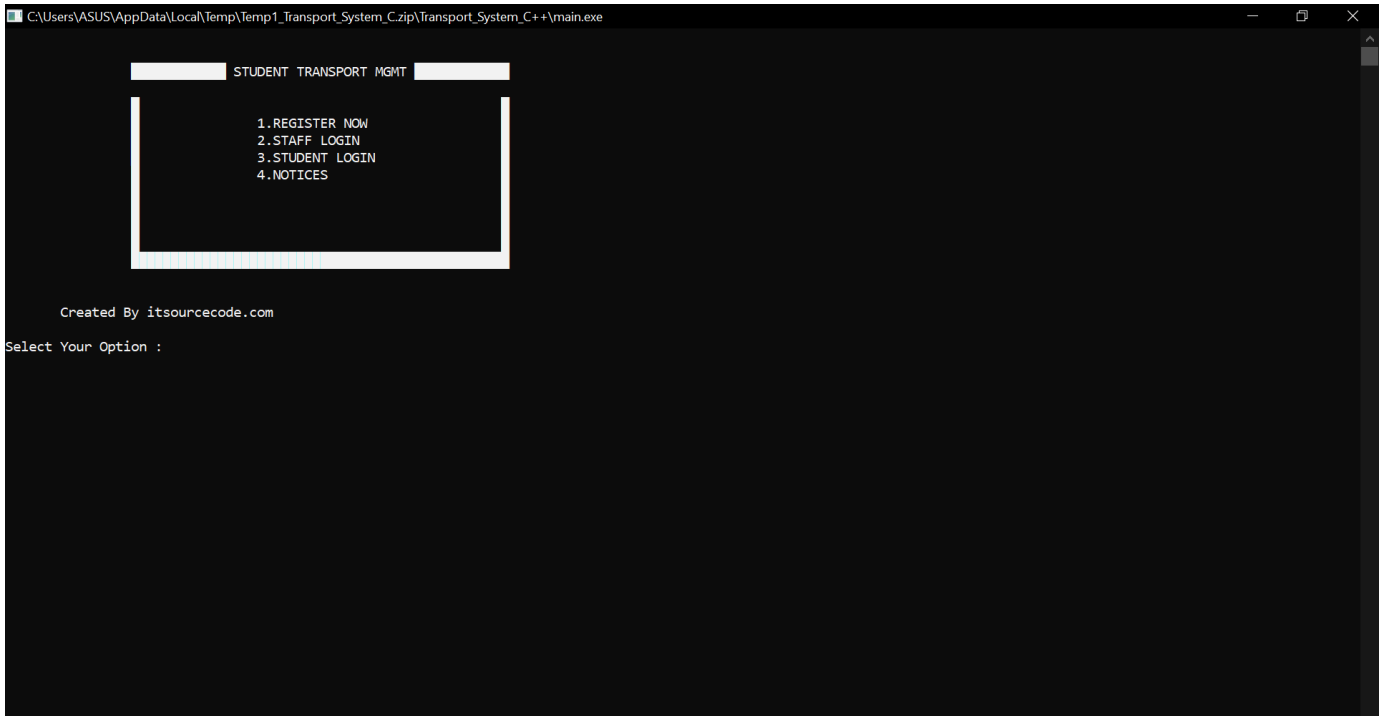
```

        break;
    case 2:system("COLOR 0F");
        s1.login();
        break;
    case 3:system("COLOR 0F");
        s2.login();
        break;
    case 4:system("COLOR 0F");
        r1.notice();
        break;
    default:cout<<"sssss";
        break;
    }
}
getch();
return 0;
}

void gotoXY(int x, int y)
{
    CursorPosition.X = x; // Locates column
    CursorPosition.Y = y; // Locates Row
    SetConsoleCursorPosition(console,CursorPosition); // Sets position for next thing to be printed
}
/*void WaitKey()cp
{
    while (_kbhit()) _getch(); // Empty the input buffer
    _getch(); // Wait for a key 1353fn
    while (_kbhit()) _getch(); // Empty the input buffer (some keys sends two messages)
}*/

```

3.Output



```
C:\Users\ASUS\AppData\Local\Temp\Temp1_Transport_System_C.zip\Transport_System_C++\main.exe

Read the following Instructions
To accept the above instructions press Y :
```

```
C:\Users\ASUS\AppData\Local\Temp\Temp2_Transport_System_C.zip\Transport_System_C++\main.exe

REGISTRATION FORM

NAME :sapna                                FATHER NAME :dinesh
Ph_no:2345678974                          ADDRESS:gwalior

Select seat Number:
 1   2   3   4   5
 6   7   8   9  10
11  12  13  14  15
16  17  18  19  20
21  22  23  24  25
26  27  28  29  30
31  32  33  34  35
36  37  38  39  40
41  42  43  44  45
46  47  48  49  50
51 52 53 54 55 56 57 58 59 60 45

staff or student: student

Your username :CBIT1
PASSWORD :
```

```
C:\Users\ASUS\AppData\Local\Temp\Temp2_Transport_System_C.zip\Transport_System_C++\main.exe
*****CONFIRM FORM*****

NAME :sapna          FATHER NAME :dinesh
Ph_no:2345678974     ADDRESS:gwalior
Alloted seat Number:45

Total amount to be paid : Rs 17,000|- on or before 5th july

                                student sign

Enter any key to return back to main menu :
```

5.conclusion

The transportation system is an integral part of the economy. In today's world, communities' benefit from the effects of transportation, and as cities grow and develop, the need for public services and facilities has increased.

Since economic development depends on the evolution of transportation systems, transportation systems have developed in tangent with economic growth.

5.Reference

1. <https://www.google.com>
2. www.geeksforgeeks.org
3. www.stackoverflow.com
4. <https://sites.google.com>