APPENDIX 1

RAILWAY RESERVATION SYSTEM

END TERM REPORT

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ROLL NUMBERS: 19, 20, 21

DEPARTMENT OF INTELLIGENT SYSTEMS

SCHOOL OF COMPUTER SCIENCE ENGINEERING

LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR

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APPENDIX 2

STUDENT DECLARATION

This is to declare that this report has been written by us. No part of the report is copied from other sources. All information included from other sources has been duly acknowledged. We aver that if any part of the report is found to be copied, we are shall take full responsibility for it.

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APPENDIX 3

TABLE OF CONTENTS

TITLE   PAGE NO.

APPENDIX 4

BONAFIDE CERTIFICATE

Certified that this project report "RAILWAY RESERVATION SYSTEM" is the bonafide work of "DEEPAK RATHORE, PUGALENDHI V, SURYA SEKHAR DARIPA" who carried out the project work under my supervision.

Name of Supervisor:

Academic Designation:

ID of Supervisor:

Department of Supervisor:

BACKGROUND AND OBJECTIVES

➢ BACKGROUND:

The system is basically concerned with the reservation of railway tickets to the passengers. By using this system, one can book train tickets online from anywhere anytime. User can also get a list of available trains between two stations by entering source and destination name or station codes. This system also provides users a special feature, which is used to check the seat availability and the fare between two stations for a specific train with a specific class. If any user wants to cancel the reservation for any reason, then this feature is also available in this system.

➢ AIM AND OBJECTIVES:

The main purpose of designing railway reservation system is to reduce the manual errors involved in the booking and cancelling the tickets and make it convenient for the customers and providers to maintain the data about their customers and also about the seat availability at them.
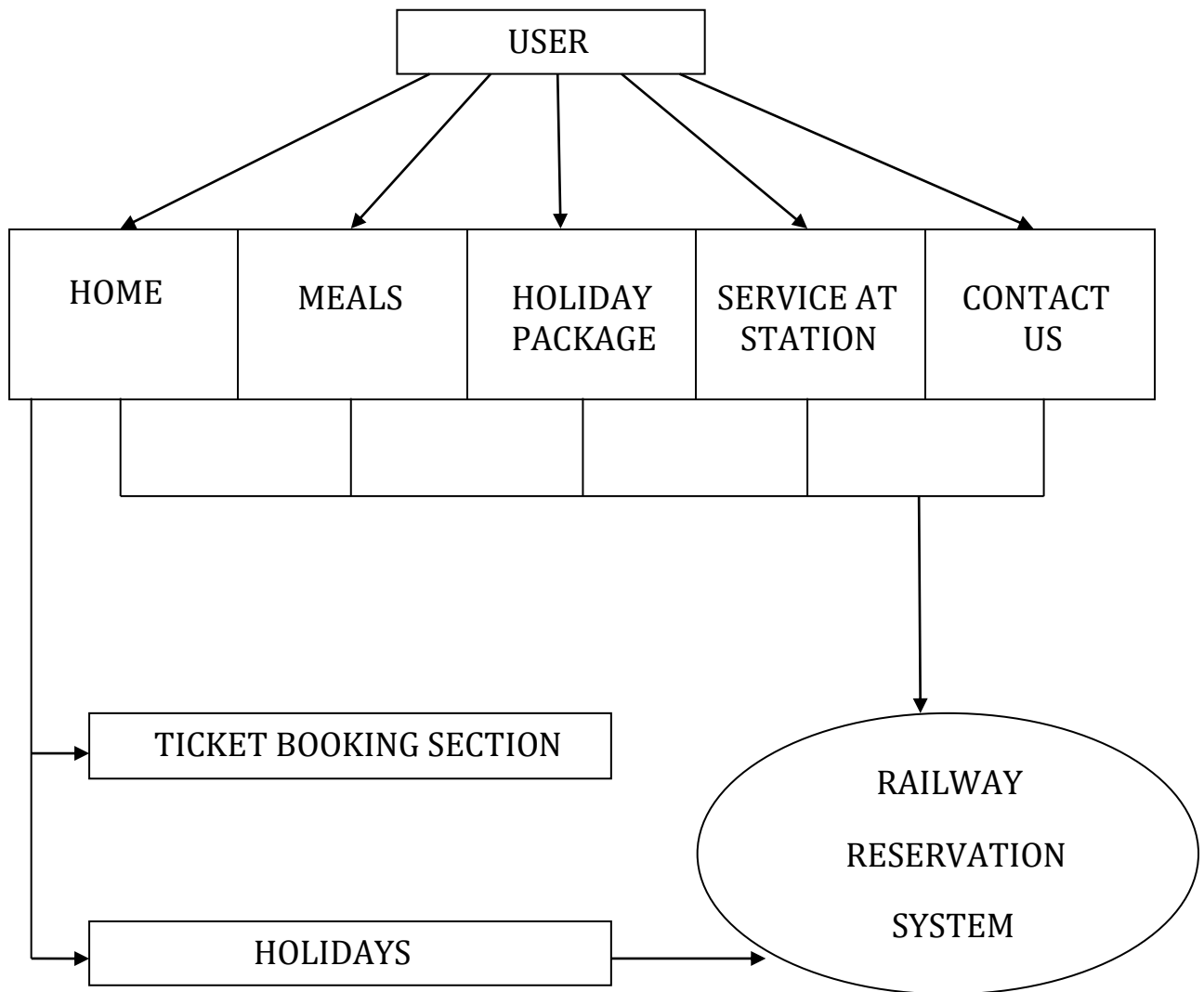
➢ MOTIVATION AND OUTCOMES:

Manuel ticketing process is too much uncomfortable to the passengers. It is a time taking system, where passengers have to go to the ticket counter for booking their tickets. Sometimes there is a long line in front of the counters. This system is totally depended on trained staffs and it takes up a lot of space. It has lack of security and sometimes data lost may be happened. So in this point of view, the online ticketing system is an easy, user friendly system, which provides a passenger all the smart facilities related to ticket booking in a single website.

Due to automation many loopholes that exist in the manual maintenance of the records can be removed. The speed of obtaining and processing the data will be fast. Passengers can book ticket online very easily from anywhere and anytime. Various options are available for booking ticket in a single platform. The fare and the number of available seats can be easily checked. Payment methods will also be smooth. User will be able to check all the current status of reservation using this website. Easy cancellation and instant refund is also available. It is a stress free, hustle free system that saves our time as well as money.

DESCRIPTION OF PROJECT

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                          ┌──────────────┐
                          │     USER     │
                          └──────────────┘

┌──────────┬──────────┬──────────────┬──────────────┬──────────┐
│  HOME    │  MEALS   │   HOLIDAY    │  SERVICE AT  │ CONTACT  │
│          │          │   PACKAGE    │   STATION    │   US     │
└──────────┴──────────┴──────────────┴──────────────┴──────────┘
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TICKET BOOKING SECTION

HOLIDAYS

RAILWAY

RESERVATION

SYSTEM

MODULE WISE WORK DISTRIBUTION

1. DEEPAK RATHORE   :   HOME PAGE

                                               : HOLIDAYS (TOURISTS TRAINS, INTERNATIONAL, NATIONAL PACKAGES)

2. SURYA SEKHAR DARIPA   : TICKET BOOKING SECTION

                                               : MEALS

                                               : HOLIDAY PACKAGES

3. PUGALENDHI V   : SERVICE AT STATION

                                               : CONTACT US

IMPLEMENTATION OF PROJECT

❖ WELCOME TO THE WEBSITE :
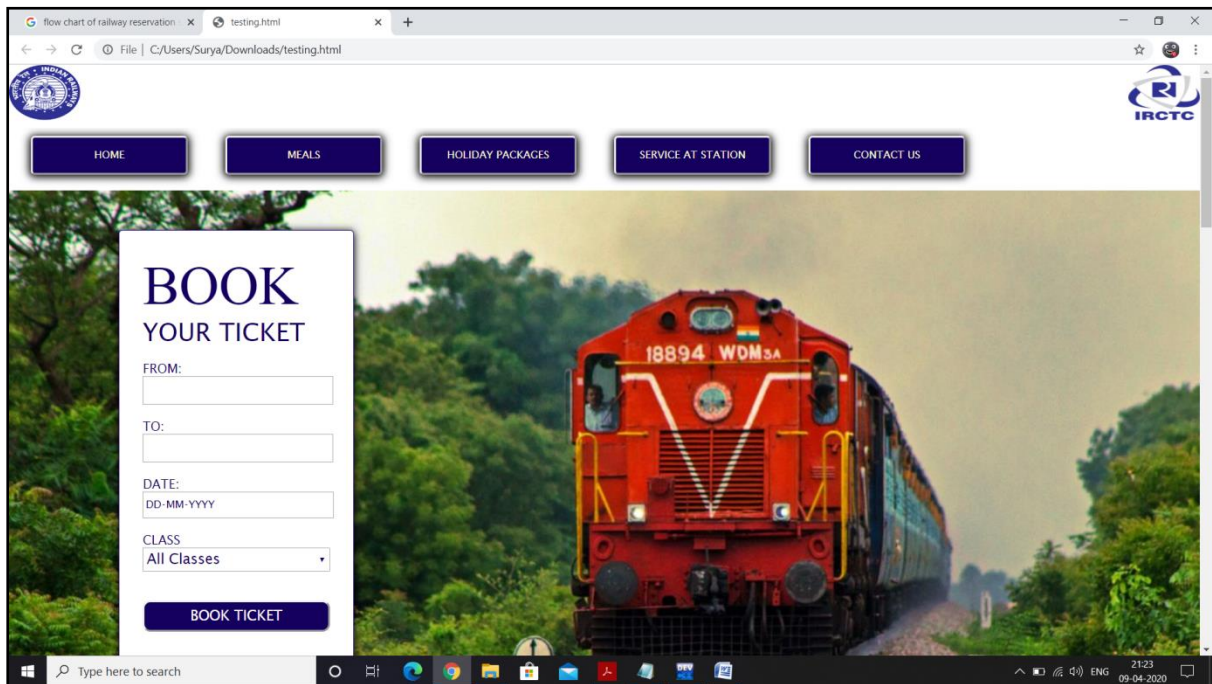
❖ KNOWING THE WEBSITE :

This is the look of the website when opened. This section explains the functionality of various tabs and buttons present on the website. It is a user-guide, made to have a better access and understanding of the website in order to maintain a user-friendly environment. Each and every tab is explained here in full detail in order to make the functioning more efficient and user-friendly.

❖ THE MAIN BAR :

The main bar is located at the top side of the webpage. This section is responsible for creating a more creative and user-friendly access to the website. The user can browse almost all the options listed in the features of the website.
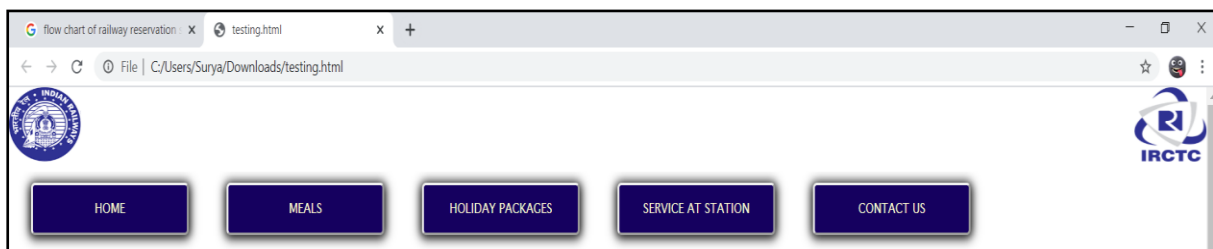
This is the main bar of the website. It has 5 different and unique tabs including the options such as Home, Meals, Holiday Packages, Service at station, Contact us. This enriches the beauty of the website and makes it more customer/user friendly.

➤ HOME TAB :

By using the Home Tab, user can return back to the Home page from the other tabs of the website. In the Home page there is a ticket booking section and a list of holiday packages.

The ticket booking section has 4 segments. First and second segment is for entering the source and destination, third segment is for date selection and the fourth segment is for choosing the class type. There are seven different options inside the class segment.

- All Classes
- AC First Class (1A)
- Ac 2 Tire (2A)
- First Class (FC)
- AC 3 Tire (3A)
- AC Chair Car
- Sleeper (SL)

BOOK YOUR TICKET

FROM:

TO:

DATE:
DD-MM-YYYY

CLASS
All Classes

BOOK TICKET

BOOK YOUR TICKET

FROM:

TO:

DATE:
DD-MM-YYYY

CLASS
All Classes
All Classes
AC First Class(1A)
AC 2 Tier(2A)
First Class(FC)
AC 3 Tier(3A)
AC Chair Car
Sleeper(SL)

At the end of the booking section there is a submit button to book ticket.

The holiday packages include the packages of Maharaja's Express, International packages, Domestic Air packages, Buddhist Circuit Tourist Train packages, Rail Tour Packages.
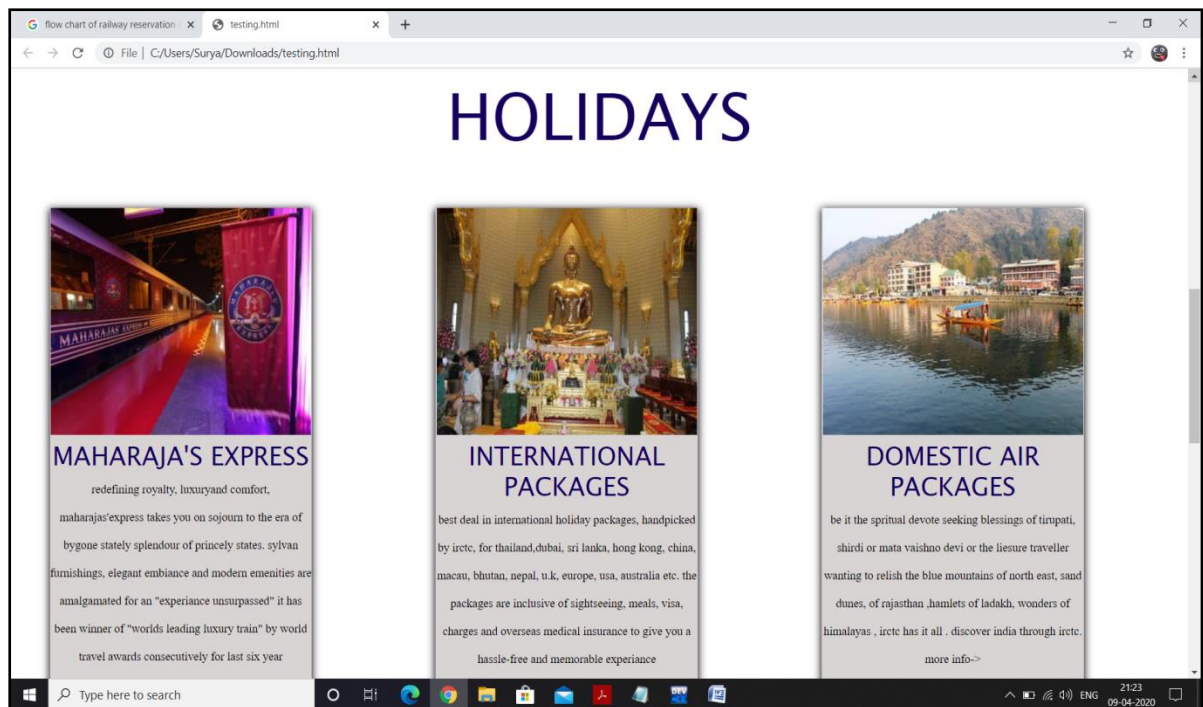
➤ MEALS TAB :

Under this meal tab there is a list of different beverages and food items available in train as well as at the stations with their specific prices. Veg and nonveg both items are available in this section. Passengers can choose anything they wanna try.

BEVERAGES

ITEMS	AT STATION	IN TRAIN
STANDARD TEA(150 ML) IN DISPOSABLE CUPS OF 170ML CAPACITY	RS 5	RS 5
COFFEE USING INSTANT COFEE POWDER(150ML)	RS 10	RS 10
SOUP 100ML	N/A	RS 15
1 LITRE BOTTLE/1000ML	RS 15	RS 15

BREAKFAST

ITEMS	AT STATION	IN TRAIN
VEG BREAKFAST(CUTLET)=BREAD SLICE(2NOS),BLUTTER IN BLISTER PACK 8GM,TOMATO KETHUP IN SACHETS,CASSEROLE	RS35	RS40
VEG BREAK FAST(IDLI&VADA) IDLI(2NOS),VADA(2NOS),CHUTNEY IN DISPOSABLE CUP 50GM,CASSEROLE 1,NAPKIN 1,DISPOSABLE SPOON 1	RS35	RS40
NON VEG-BREAKFAST(EGG OMELETTE)=BREAD SLICE(2NOS),OMELETTE/BOILED EGGS(2 EGGS),BUTTER IN BLISTER PACK ,TOMATO KETHUP 1,SALT SACHETS 1,PEPPER SACHETS	RS45	RS50

ITEMS	AT STATION	IN TRAIN
VEG BREAKFAST(CUTLET)=BREAD SLICE(2NOS),BLUTTER IN BLISTER PACK 8GM,TOMATO KETHUP IN SACHETS,CASSEROLE	RS35	RS40
VEG BREAK FAST(IDLI&VADA) IDLI(2NOS),VADA(2NOS),CHUTNEY IN DISPOSABLE CUP 50GM,CASSEROLE 1,NAPKIN 1,DISPOSABLE SPOON 1	RS35	RS40
NON VEG-BREAKFAST(EGG OMELETTE)=BREAD SLICE(2NOS),OMELETTE/BOILED EGGS(2 EGGS),BUTTER IN BLISTER PACK ,TOMATO KETHUP 1,SALT SACHETS 1,PEPPER SACHETS	RS45	RS50

MEAL

ITEMS	AT STATION	IN TRAIN
VEG MEAL (STANDARD CASSEROLE)= RICE PLAIN 150 GMS,2PARATHAS/4CHAPATIS IN WRAPPERS 100GMS,DAL/SAMBAR(THICK) 150 GMS,MIX VEG (SEASONAL) 100GMS,CURD 80 GMS,PICKLY IN SACHET 12 GMS,CASSEROLE 1,NAPKIN 1,DISPOSABLE SPOON 1.	RS70	RS80
NON-VEG MEAL STANDARD CASSEROLE (EGG CURRY WITH RICE) =RICE PLAIN 150 GMS,2PARATHAS/4CHAPATIS IN WRAPPERS 100GMS,DAL/SAMBAR(THICK) 150 GMS,TWO EGG CURRY 150 GMS,CURD 80 GMS,PICKLY IN SACHET 12 GMS,CASSEROLE 1,NAPKIN 1,DISPOSABLE SPOON 1.	RS80	RS90
VEG NON-VEG MEAL STANDARD CASSEROLE (CHICKEN CURRY WITH RICE) =RICE PLAIN 150 GMS,2PARATHAS/4CHAPATIS IN WRAPPERS 100GMS,DAL/SAMBAR(THICK) 150 GMS,CHICKEN CURRY (60 GMS BONELESS CHICKEN & GRAVY 90 GMS),CURD 80 GMS,PICKLY IN SACHET 12 GMS,CASSEROLE 1,NAPKIN 1,DISPOSABLE SPOON 1	RS120	RS130
VEG VEG. BIRYANI (350 GMS) =BIRYANI OF 270 GMS INCLUDING 70 GMS VEGETABLES PACKED IN CASSEROLE+80 GMS BRANDED PACKED CURD+12 GMS PICKLE+TISSUE PAPER+SANITIZER (1ML)+DISPOSABLE BIO-DEGRADABLE SPOON	RS70	RS80
CHICKEN BIRYANI (350 GMS)=BIRYANI OF 270 GMS INCLUDING 70 GMS OF BONELESS CHICKEN PACKED IN CASSEROLE+80 GMS BRANDED PACKED CURD+12 GMS PICKLE+TISSUE PAPER+SANITIZER (1ML)+DISPOSABLE BIO-DEGRADABLE SPOON.	RS100	RS110

➢ HOLIDAY PACKAGE :

In this tab there is a complete package of holiday tours. The Indian Panoroma and The Indian Splendour. Passengers can explore any package mentioned in the website. The total journey of these two expresses are provided in this Holiday Package tab. Journey duration and the departure time is also included in it.

➤ SERVICES AT STATION :

Passengers can get a clear idea about the services provided by the Indian Railway from this tab. There are 7 services mentioned in the website. At the end the customer care number is also provided. Passengers can call anytime for any need, for any queries.
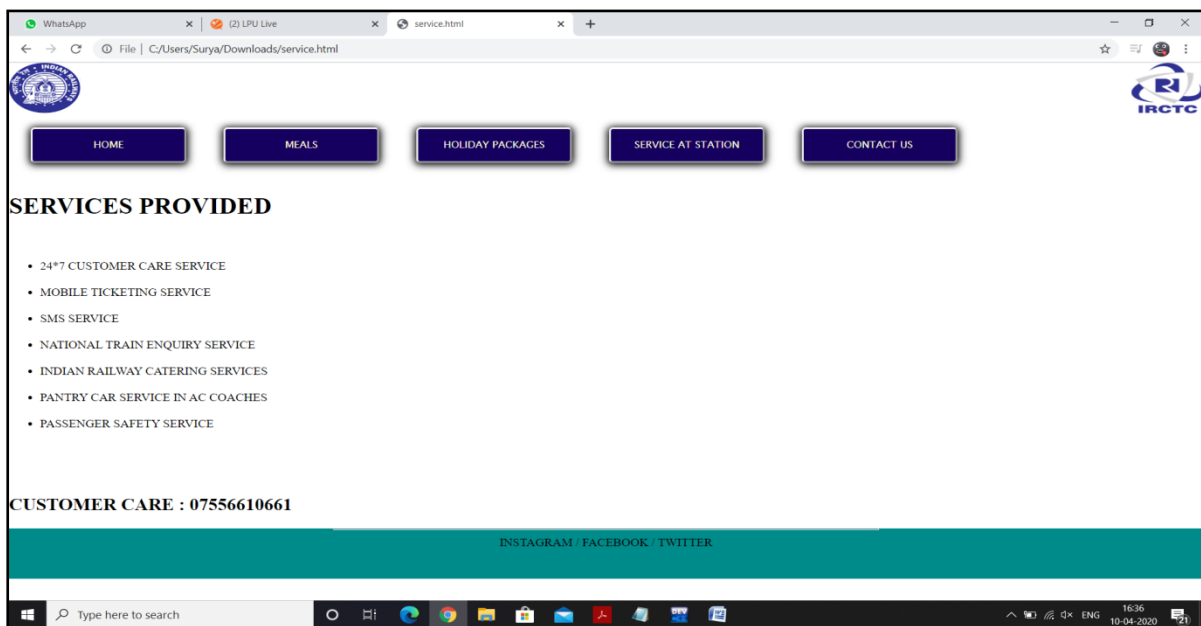
➤ CONTACT US :

This Contact Us tab is consists of three contact numbers and three gmail ids of railway customer care members. For any booking related issues, for any enquiry, complain, suggestion, users can call directly without any hesitation. The address of the customer care office is also provided in the website. It is a user friendly section which connects the passengers with the Indian Railway team.
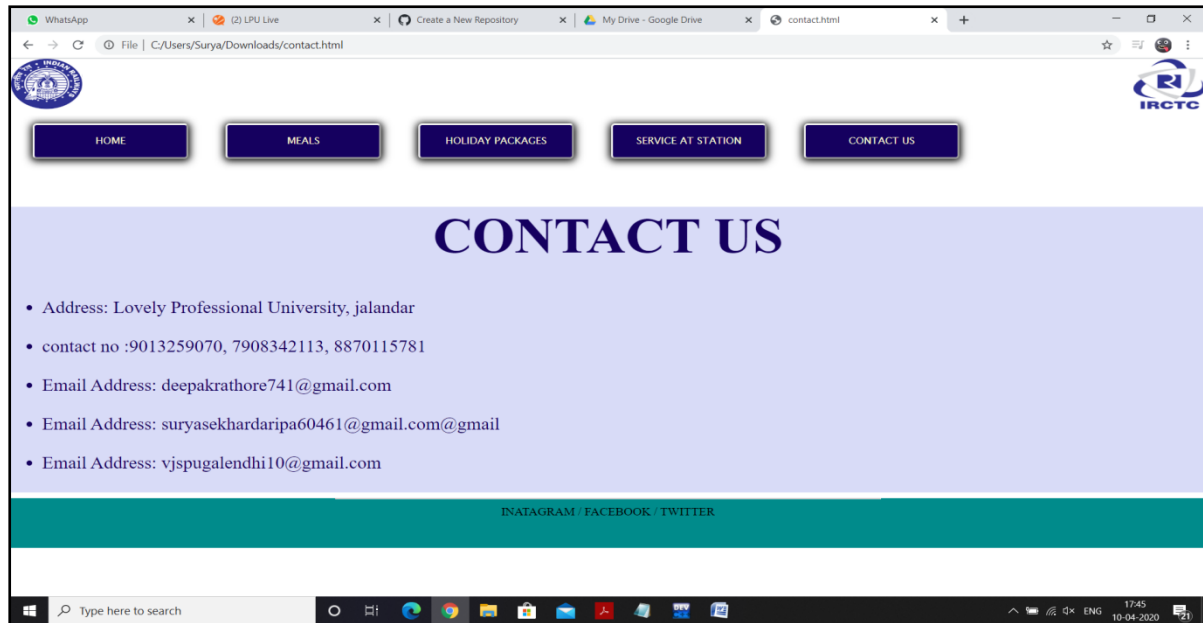
❖ TECHNOLOGY USED :

Three languages are used in this project. HTML, CSS and Java Script. This webpage can be opened with any browser such as Chrome, Fire Fox, Internet Explorer.

❖ MERITS OF THE PROJECRT :

- This project made us clearer about the concepts of HTML, Java Script and CSS.
- This project was a good lesson in understanding the working and functionality of any professional website and it made us aware of the demands and needs of the customers.
- This project helped us with a lot of information about cascading style sheet.

SWOT ANALYSIS

❖ STRENGTH:

The main strength of this Railway Reservation System is that it reduces a lot of manual work and it makes the entire reservation system faster and reliable. It is more convenient for the passengers to sit in front of computers and avoid long lines on the reservation counters.

❖ WEAKNESS:

Not much specific but yes the problem of computation charges is the focus of weakness for this railway Reservation System. Not so many people are aware of computers so it's a challenge to implement this system on a large scale.

❖ OPPORTUNITIES:

It creates a scope for employment of technically-skilled people for the functioning and management of the system. This also creates a scope for more and more development in the field of web development.

❖ THREATS:

Increasing competition among the websites and enabling more interactive sessions is a threat towards the versatility and functioning of the website.