# VISVESVARAYA TECHNOLOGICAL UNIVERSITY



**BELAGAVI – 590018, Karnataka**

**INTERNSHIP REPORT**

**ON**

# "TARS CARS SERVICE"

*Submitted in partial fulfilment for the award of degree(18CSI85)*

**BACHELOR OF ENGINEERING IN**

**INFORMATION SCIENCE AND ENGINEERING**

*Submitted by:*

**SNEHA CHOUKIMATH**

**1DB19IS085**



**Conducted at**
**VARCONS TECHNOLOGIES PVT LTD**



# DON BOSCO INSTITUTE OF TECHNOLOGY
## Department of Information Science and Engineering
## Accredited by NBA, New Delhi
**Kumbalagodu, Bengaluru-560074**

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## CERTIFICATE

This is to certify that the Internship titled **"TARS CARS SERVICE"** carried out by **Mrs. SNEHA CHOUKIMATH,** a bonafide student of DON BOSCO INSTITUTE OF TECHNOLOGY, in partial fulfillment for the award of **Bachelor of Engineering**, in **INFORMATION SCIENCE and ENGINERRING** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85)

**Signature of Guide**            **Signature of HOD**            **Signature of Principal**

**External Viva:**

Name of the Examiner                                          Signature with Date

1)_____

_____

2)_____

_____

# D E C L A R A T I O N

I, **SNEHA CHOUKIMATH**, final year student of Information science and engineering, DON BOSCO INSTITUTE OF TECHNOLOGY - 560 074, declare that the Internship has been successfully completed, in **VARCONS TECHNOLOGIES pvt ltd**. This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Information science and engineering, during the academic year 2022-2023.

Date : 23-8-2022                                                                                                :

Place : Varcons technologies pvt ltd

USN : 1DB19IS085

NAME :  SNEHA CHOUKIMATH

# OFFER LETTER PROVIDED BY THE COMPANY

# A C K N O W L E D G E M E N T

This Internship is a result of accumulated guidance, direction and support of several important persons. We take this opportunity to express our gratitude to all who have helped us to complete the Internship.

We express our sincere thanks to our **Prof. Umashankar B S**, for providing us adequate facilities to undertake this Internship.

We would like to thank our Head of Dept –**Dr. B.K. Raghavendra**, for providing us an opportunity to carry out Internship and for his valuable guidance and support.

We express our deep and profound gratitude to our guide, **Prof, Shankar Gowda S R** for his keen interest and encouragement at every step in completing the Internship.

We would like to thank all the faculty members of our department for the support extended during the course of Internship.

We would like to thank the non-teaching members of our dept, forhelping us during the Internship.

Last but not the least, we would like to thank our parents and friends without whose constant help, the completion of Internship would have not been possible.

**SNEHA CHOUKIMATH**

**1DB19IS085**

# ABSTRACT

The main aim and objective were to plan and program system application. We justify to apply the best software engineering practice for system application. I developed a "Tars Cars service" using html, css and java script.

This project provides a platform to enquire the details of repairing your vehicle and various other work we offer. And in dynamic way of choosing the attributes of repair works and other attributes.

 To know the information of the above mentioned, it is necessary to have a website used to access all these details. This project is done to obtain the above statement and update the details in real time. This project also reduces the work of manually searching for repair shops. And the tools used to design and develop this useful project are html, css, java script. This mini project is an excellent solution for customers with large or growing number of accident. This solution helps to identify the user and manage the timely admissions of customers.

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# **CHAPTER 1**

## **COMPANY PROFILE**

# 1. <u>COMPANY PROFILE</u>

## A Brief History of Varcons Technologies

Varcons Technologies, was incorporated with a goal "To provide high quality and optimal Technological Solutions to business requirements of our clients". Every business is a different and has a unique business model and so are the technological requirements. They understand this and hence the solutions provided to these requirements are different as well. They focus on clients requirements and provide them with tailor made technological solutions. They also understand that Reach of their Product to its targeted market or the automation of the existing process into e-client and simple process are the key features that our clients desire from Technological Solution they are looking for and these are the features that we focus on while designing the solutions for their clients.

Varcons Technologies, strive to be the front runner in creativity and innovation in software development through their well-researched expertise and establish it as an out of the box software development company in Bangalore, India. As a software development company, they translate this software development expertise into value for their customers through their professional solutions.

They understand that the best desired output can be achieved only by understanding the clients demand better. Varcons Technologies work with their clients and help them to define their exact solution requirement. Sometimes even they wonder that they have completely redefined their solution or new application requirement during the brainstormingsession, and here they position themselves as an IT solutions consulting group comprising of high caliber consultants.

They believe that Technology when used properly can help any business to scale and achieve new heights of success. It helps Improve its efficiency, profitability, reliability; to put itin one sentence " Technology helps you to Delight your Customers" and that is what we wantto achieve.

# CHAPTER 2

## ABOUT THE COMPANY

# 2. <u>ABOUT THE COMPANY</u>



Varcons Technologies is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever increasing automation requirements, Varcons Technologies specialize in ERP, Connectivity, SEO Services, Conference Management, effective webpromotion and tailor-made software products, designing solutions best suiting clients requirements. The organization where they have a right mix of professionals as a stakeholders to help us serve our clients with best of our capability and with at par industry standards.They have young, enthusiastic, passionate and creative Professionals to develop technological innovations in the field of Mobile technologies, Web applications as well as Business and Enterprise solution. Motto of our organization is to "Collaborate with our clients to provide them with best Technological solution hence creating Good Present and Better Future for our client which will bring a cascading a positive effect in their business shape as well". Providing a Complete suite of technical solutions is not just our tag line, it is Our Vision for Our Clients and for Us, We strive hard to achieve it.

## Products of Varcons Technologies.

### Android Apps

It is the process by which new applications are created for devices running the Android operating system. Applications are usually developed in Java (and/or Kotlin; or other such option) programming language using the Android software development kit (SDK), but other development environments are also available, some such as Kotlin support the exact same Android APIs (and bytecode), while others such as Go have restricted API access.

The Android software development kit includes a comprehensive set of development tools. These include a debugger, libraries, a handset emulator based on QEMU, documentation, sample code, and zutorials. Currently supported development platforms include computers running Linux (any modern desktop Linux distribution), Mac OS X 10.5.8 or later, and Windows 7 or later. As of March 2015, the SDK is not available on Android itself, but softwaredevelopment is possible by using specialized Android applications.

### Web Application

It is a client–server computer program in which the client (including the user interface and client- side logic) runs in a web browser. Common web applications include web mail, online

retail sales, online auctions, wikis, instant messaging services and many other functions. web applications use web documents written in a standard format such as HTML and JavaScript,which are supported by a variety of web browsers. Web applications can be considered as a specifific variant of client–server software where the client software is downloaded to the client machine when visiting the relevant web page, using standard procedures such as HTTP. The Client web software updates may happen each time the web page is visited. During the session, the web browser interprets and displays the pages, and acts as the universal client for any web application. The use of web application frameworks can often reduce the number of errors in a program, both by making the code simpler, and by allowing one team to concentrate on the framework while another focuses on a specifified use case. In applications which are exposed to constant hacking attempts on the Internet, security-related problems can be caused by errors in the program.

Frameworks can also promote the use of best practices such as GET after POST. There are some who view a web application as a two-tier architecture. This can be a "smart" client that performs all the work and queries a "dumb" server, or a "dumb" client that relies on a "smart" server. The client would handle the presentation tier, the server would have the database (storage tier), and the business logic (application tier) would be on one of them or on both. While this increases the scalability of the applications and separates the display and the database, it still doesn"t allow for true specialization of layers, so most applications will outgrow this model. An emerging strategy for application software companies is to provide web access to software previously distributed as local applications. Depending on the type of application, it may require the development of an entirely different browser-based interface, or merely adapting an existing application to use different presentation technology. These programs allow the user to pay a monthly or yearly fee for use of a software application without having to install it on a local hard drive. A company which follows this strategy is known as an application service provider (ASP), and ASPs are currently receiving much attention in the software industry.

Security breaches on these kinds of applications are a major concern because it can involve both enterprise information and private customer data. Protecting these assets is an important part of any web application and there are some key operational areas that must be included in the development process. This includes processes for authentication, authorization, asset handling, input, and logging and auditing. Building security into the applications from the beginning can be more effective and less disruptive in the long run.

## Web design

It is encompasses many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and

search engine optimization. The term web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark up. Web design partially overlaps web engineering in the broader scope of web development. Web designers are expected to have an awareness of usability and if their role involves creating mark up then they are also expected to be up to date with web accessibility guidelines. Web design partially overlaps web engineering in the broader scope of web development.

## Departments and services offered

Varcons Technologies plays an essential role as an institute, the level of education, development of student's skills are based on their trainers. If you do not have a good mentor then you may lag in many things from others and that is why we at Varcons Technologies gives you the facility of skilled employees so that you do not feel unsecured aboutthe academics. Personality development and academic status are some of those things which lie on mentor's hands. If you are trained well then you can do well in your future and knowing its importance of Varcons Technologies always tries to give you the best.

They have a great team of skilled mentors who are always ready to direct their trainees in the best possible way they can and to ensure the skills of mentors we held many skill development programs as well so that each and every mentor can develop their own skills with the demands of the companies so that they can prepare a complete packaged trainee.

### Services provided by Varcons Technologies.

• Core Java and Advanced Java

• Web services and development

• Dot Net Framework

• Python

• Selenium Testing

• Conference / Event Management Service

• Academic Project Guidance

• On The Job Training

• Software Training

# **CHAPTER 3**

# **INTRODUCTION**

# 3. <u>INTRODUCTION</u>

## Introduction to Web Apps

Web applications are similar to the traditional applications you'd install on your Information, such as Microsoft Office. They are able to perform the same kinds of tasks, they look the same and they feel the same but there is one key difference - the application itself is not installed on your phone or Information, but lives in the cloud. Web apps are not new, but it used to be that they were often unable to compete with more traditional applications for business critical functions or where rich user interaction was required. This is no longer the case. With the power of modern web technologies, we are able to design and build performing, secure, and feature rich applications that live in the cloud and bring with them a huge number of benefits.

**1. They can be accessed from anywhere.**

- Because web applications are built with web technologies and they run in a web browser Internet Explorer, Google Chrome, Mozilla Firefox – this allows them to be accessed from every web enabled tool. As long as you have an internet connection you can use them.

- It allows for remote working, it allows for rapid publishing of content, it allows for real time collaboration between teams. If you have web access, you have the ability to access your business tools.

**2. They are cost effective.**

- Web applications are cheaper to produce and maintain than traditional applications. No matter how many platforms your business uses (Mac, Linux, Windows) web application build can be used across them all.

**3. They benefit from more rapid update cycles.**

- A huge benefit of web applications is that when an update is released, all of your users are immediately using that version. This doesn't happen with installed applications, especially in large organizations with IT policies that restrict administrator access.

**4. They are secure.**

- Web developers have had to become experts in security – the web is a platform designed to share everything with everyone! As such, the types and levels of security included in web applications are often far greater than those seen in traditional applications.

- They also benefit from the ability to launch updates in real-time – the application on the servers is the application people are using. The applications on people's laptops however is the version last installed. And when those laptops get left on a train it's not a concern, as nothing is stored locally.

**5. They enable more computing with fewer Information.**

- Web applications push all of the hard work to the servers, and act as intermediaries between the user interface and the calculations happening behind the scenes. This means you can accomplish terrifyingly complex work on a tablet, or your phone.

- We've built web applications that allow people to understand the complex relationships between 250,000 pieces of art on their phones, and applications that run the business systems of one of the largest solar energy providers in the world. Often these products are not financially viable to build using traditional application processes.

## Problem Statement

Develop an application which facilitates creation of web pages having a need to install any HTML editor based software and also which can be used by any novice user (no HTML knowledge needed) that is developing web pages on the online. This module is designed to reduce the process involved in managing the activity of customers and business where the business can sell their services and the customers can buy those.

## Introduction to B2C Ecommerce Website Development with Admin Panel

B2C E-commerce website content providers to focus on creating effective assessment questions and focusing on providing a platform for easy access between Buyer and Consumer.

Here we present techniques that are pertinent to the elements of assessment process: answers submission, Informationized grading, and feedback after submission. As the modern organizations are automated and Informations are working as per the instructions, it becomes essential for the coordination of human beings, commodity and Informations in a modern organization.

# CHAPTER 4

## SYSTEM ANALYSIS

# 4. <u>SYSTEM ANALYSIS</u>

1. **<u>Existing System</u>**  For the past few years, the number of car nrepair bookings is increasing rapidly. Thereby the managing customer  records is a tedious work. And hence there is a lot of strain on the person who are running the management, software's are not usually used in this context. This particular project deals with the problems on managing record collection of customers who are registered to software and avoids the problem which occur when carried manually. Identification of the drawbacks of the existing system leads to the designing of computerized system that will compatible to the existing system with the system which is more user friendly and more GUI oriented. We can improve the efficiency of the system, thus overcome the following drawbacks of the existing system like more human error, more strength and strain of manual labor needed, repetition of the same procedures, low security, data redundancy, difficult to handle, difficult to update data.

2. **<u>Proposed System</u>** The drawback of the existing system is that it is very difficult to retrieve data from records. It is difficult to handle the whole system manually and it is less accurate and to keep the data in records for future reference because it may get destroyed. Moreover, it is very difficult to retrieve data. Redundancy of data may occur and this may lead to the inconsistency. The manual system is so time consuming. The proposed system is very easy to operate. Speed and accuracy are the main advantages of the proposed system. There is no redundancy of data. The data are stored in the computer secondary memories like hard disk. It can be easily received and used at any time. The proposed system will easily handle all the data and the work done by the existing system. The proposed system will eliminate the drawbacks of the existing system to a great extent and it provides tight security to data

3. **<u>Objective of the System</u>** "TARS CARS service" is menu-driven program developed for collecting and managing various vital details about customers, For the past few years, the number repair bookings increasing rapidly, also thereby increasing the details to be collected on customers that are trying to get  the required destinations. And hence there is a lot of strain on the person who is trying to collect and manage this data and software's are not usually used in this context. This particular project deals with the problems on collecting and managing details and avoids the problem which occur when carried manually. In this system we can easily manage the collected details,  The main feature of this project is easy to allocate for the customers and also easy to create a report on vehicle maintanance. Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system which is more user friendly and more GUI oriented

# CHAPTER 5

# REQUIREMENT ANALYSIS

# 5. <u>REQUIREMENT ANALYSIS</u>

## Hardware Requirement Specification

- Notepad++ Editor

- Processor: Intel core i5 processer

- Memory: 15.6 GB

- Hard Disk: 40 GB

## Software Requirement Specification

### A] Functional Requirements

- Operating System – Windows OS
- Software – visual studio code

### B] Non-Functional Requirements

- **Availability**

The online registration system shall permit backing up of the registration database whileother registration actives are going on.

- **Accessibility**

The system shall be accessible by people with specific vision needs to the extent that a user shall be able to display whole user interface in a larger font without truncating displayed text or other values.

- **Security**

The access permissions for system data may only be change by the systems data administrator passwords shall never be viewable at the point of entry or any other time.

# **CHAPTER 6**

# **DESIGN ANALYSIS**

# 6. <u>DESIGN & ANALYSIS</u>

1. **HTML** is a markup language that defines the structure of your content. HTML consists of a series of elements, which you use to enclose, or wrap, different parts of the content to make it appear a certain way, or act a certain way. The enclosing tags can make a word or image hyperlink to somewhere else, can italicize words, can make the font bigger or smaller, and so on.
The main parts of our element are as follows:

   - The opening tag: This consists of the name of the element (in this case, p), wrapped in opening and closing angle brackets. This states where the element begins or starts to take effect — in this case where the paragraph begins.
   - The closing tag: This is the same as the opening tag, except that it includes a forward slash before the element name. This states where the element ends — in this case where the paragraph ends. Failing to add a closing tag is one of the standard beginner errors and can lead to strange results.
   - The content: This is the content of the element, which in this case, is just text.
   - The element: The opening tag, the closing tag, and the content together comprise the element.

2. **CSS** stands for Cascading Style Sheets. It is the language for describing the presentation of Web pages, including colours, layout, and fonts, thus making our web pages presentable to the users.

   CSS is designed to make style sheets for the web. It is independent of HTML and can be used with any XML-based markup language. Now let's try to break the acronym:

   - Cascading: Falling of Styles
   - Style: Adding designs/Styling our HTML tags
   - Sheets: Writing our style in different documents

3. **JavaScript** is a cross-platform, object-oriented scripting language used to make webpages interactive (e.g., having complex animations, clickable buttons, popup menus, etc.). There are also more advanced server side versions of JavaScript such as Node.js, which allow you to add more functionality to a website than downloading files (such as realtime collaboration between multiple computers). Inside a host environment (for example, a web browser), JavaScript can be connected to the objects of its environment to provide programmatic control over them.

   JavaScript contains a standard library of objects, such as Array, Date, and Math, and a core set of language elements such as operators, control structures, and statements. Core JavaScript can be extended for a variety of purposes by supplementing it with additional objects; for example:

   Client-side JavaScript extends the core language by supplying objects to control a browser and its Document Object Model (DOM). For example, client-side extensions allow an application to place elements on an HTML form and respond to user events such as mouse clicks, form input, and page navigation.
   Server-side JavaScript extends the core language by supplying objects relevant to running

JavaScript on a server. For example, server-side extensions allow an application to communicate with a database, provide continuity of information from one invocation to another of the application, or perform file manipulations on a server.

This means that in the browser, JavaScript can change the way the webpage (DOM) looks. And, likewise, Node.js JavaScript on the server can respond to custom requests sent by code executed in the browser.

# CHAPTER 7

# IMPLEMENTATION

# 7. <u>IMPLEMENTATION</u>

Implementation is the stage where the theoretical design is turned into a working system. The most crucial stage in achieving a new successful system and in giving confidence on the new system for the users that it will work efficiently and effectively.

The system can be implemented only after thorough testing is done and if it is found to work according to the specification. It involves careful planning, investigation of the current system and it constraints on implementation, design of methods to achieve the change over and an evaluation of change over methods a part from planning.

Two major tasks of preparing the implementation are education and training of the users and testing of the system. The more complex the system being implemented, the more involved will be the system analysis and design effort required just for implementation.

The implementation phase comprises of several activities. The required hardware and software acquisition is carried out. The system may require some software to be developed. For this, programs are written and tested. The user then changes over to his new fully tested system and the old system is discontinued.

## TESTING

The testing phase is an important part of software development. It is the Information zed system will help in automate process of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. Software testing is carried out in three steps:

1.  The first includes unit testing, where in each module is tested to provide its correctness, validity and also determine any missing operations and to verify whether the objectives have been met. Errors are noted down and corrected immediately.

2.  Unit testing is the important and major part of the project. So errors are rectified easily in particular module and program clarity is increased. In this project entire system is divided into several modules and is developed individually. So unit testing is conducted to individual modules.

3.  The second step includes Integration testing. It need not be the case, the software whose modules when run individually and showing perfect results, will also show perfect results when run as a whole.
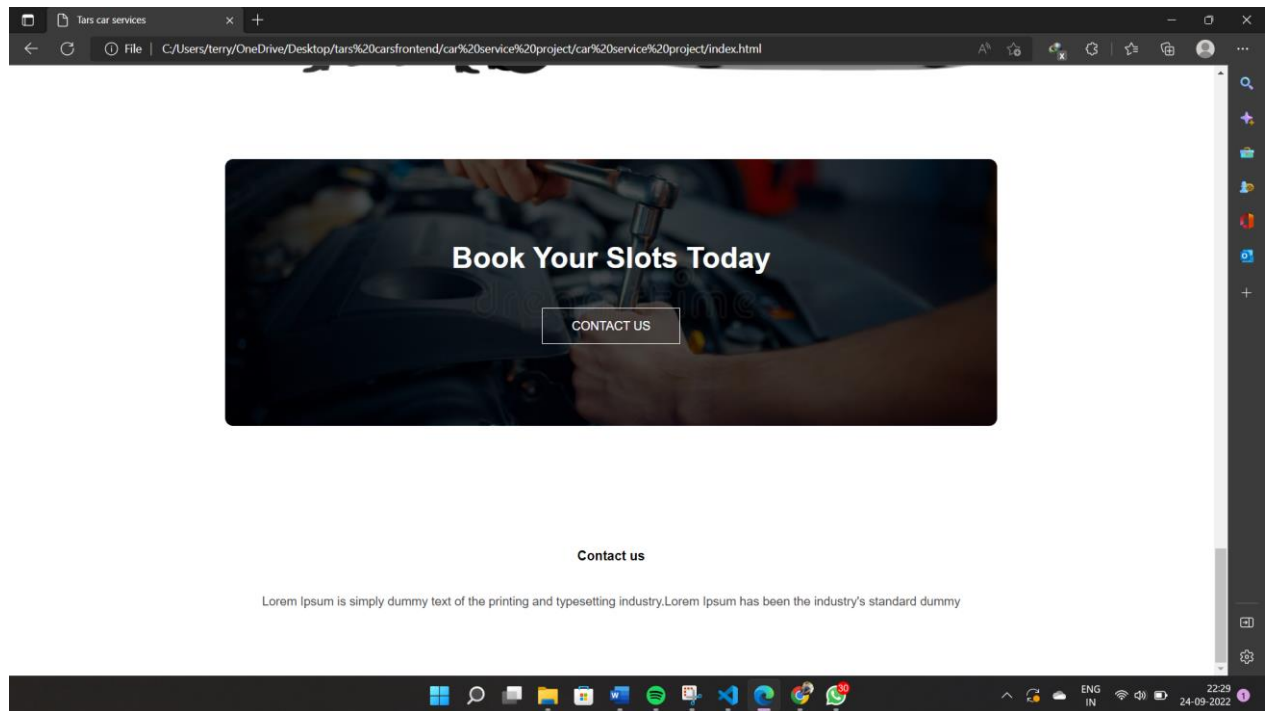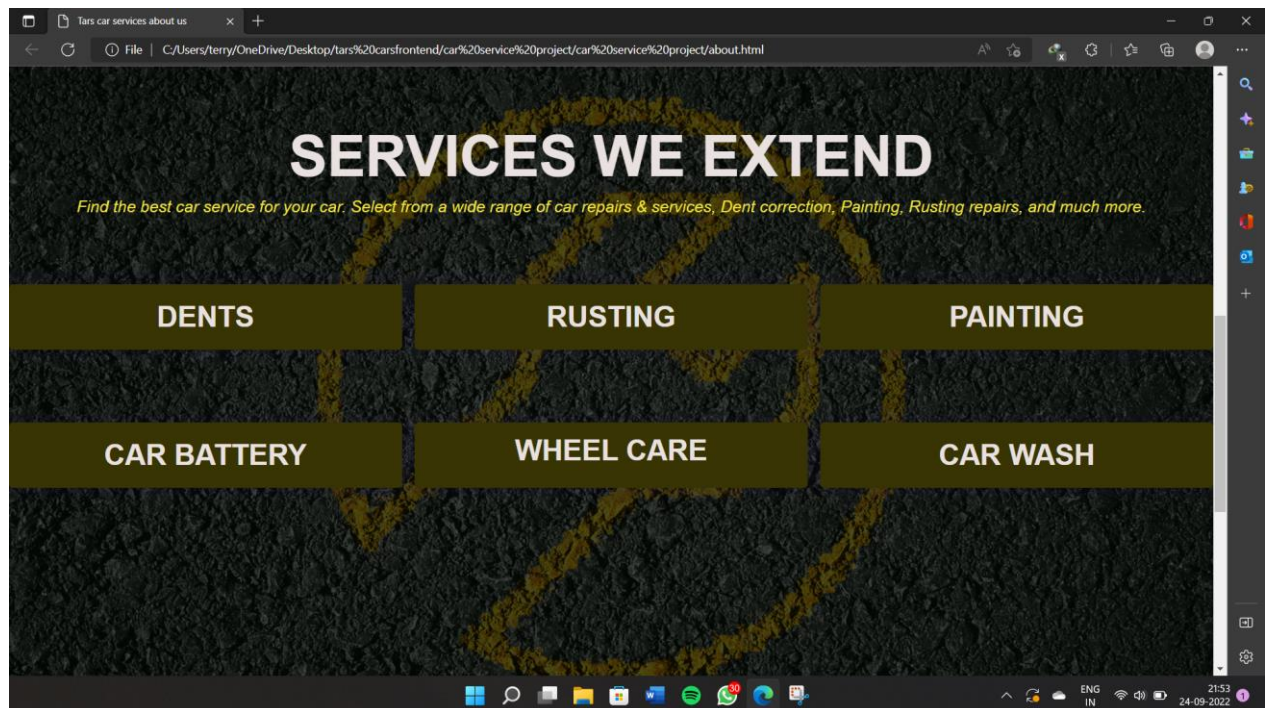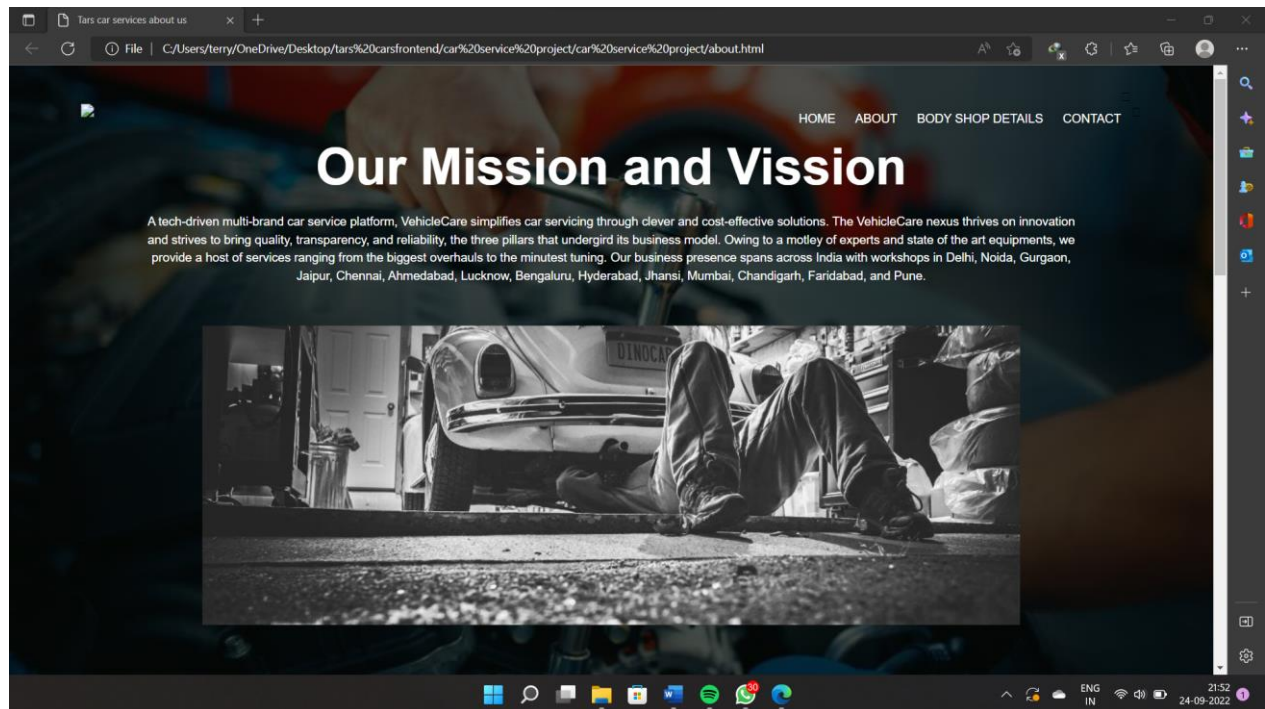
# **CHAPTER 8**

# **SNAPSHOTS**

# 8. SNAPSHOTS

## 1.HOME PAGE
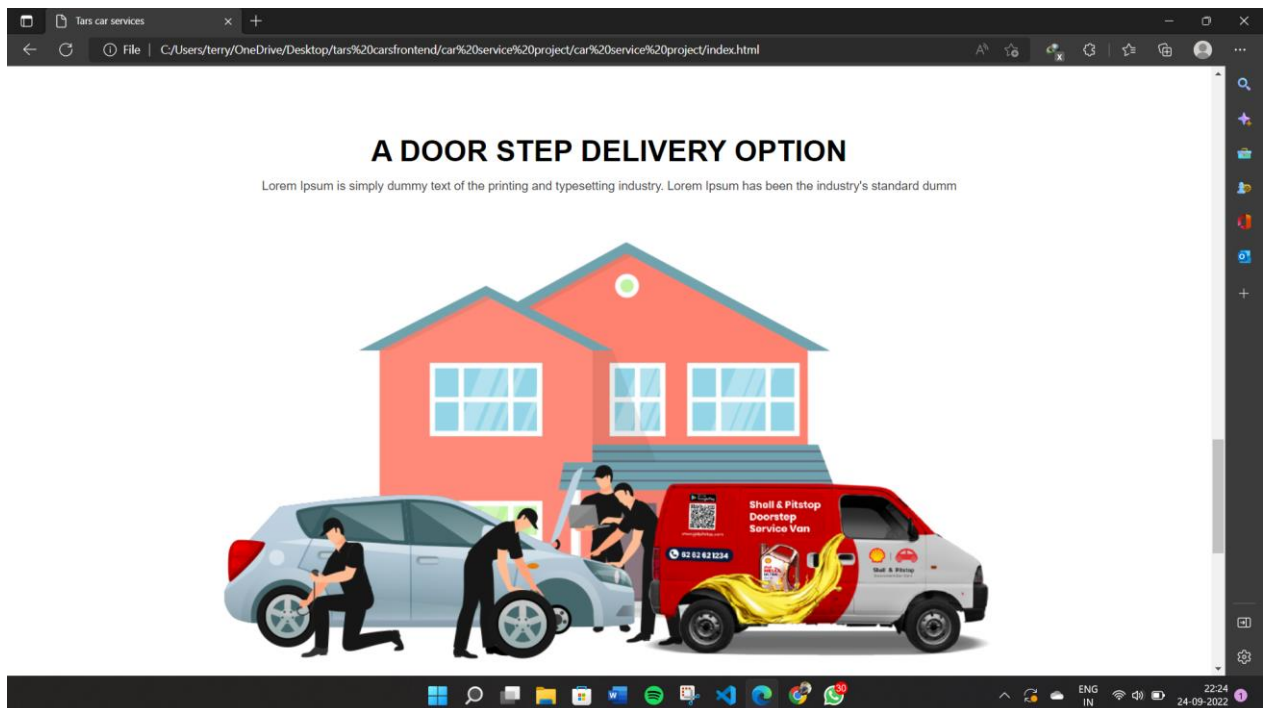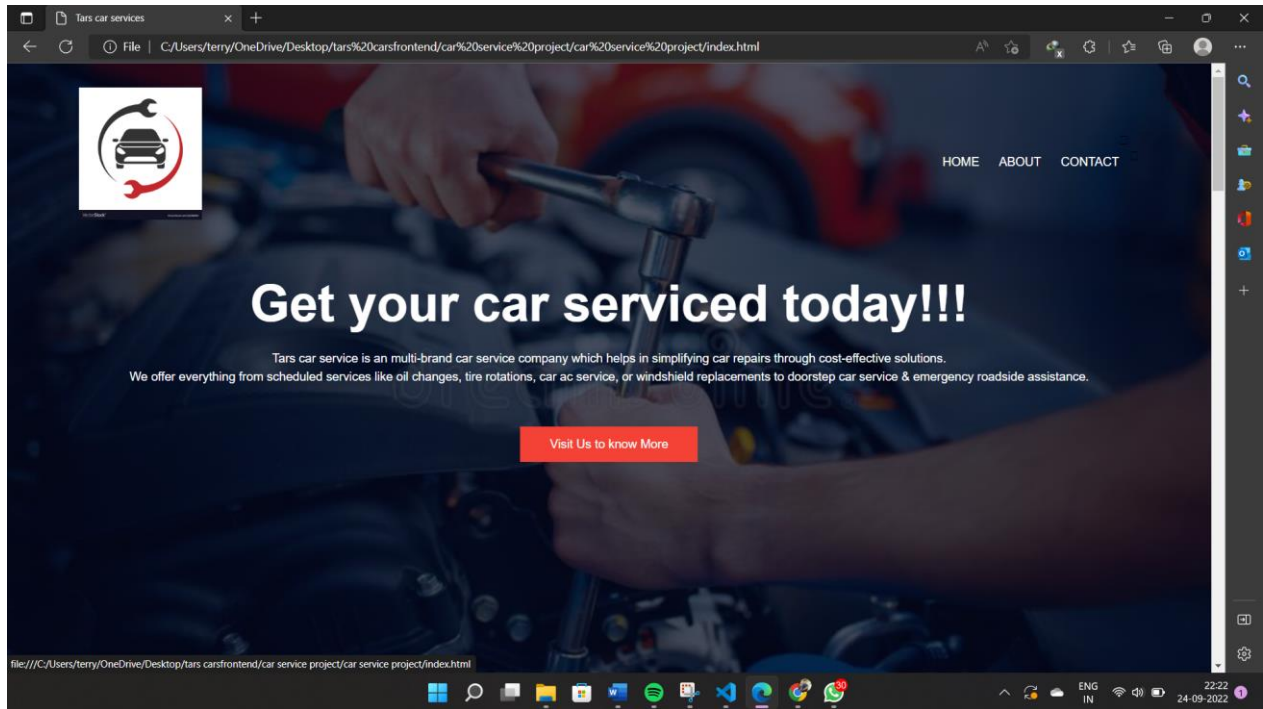
## 2.ABOUT US PAGE

# 3.CONTACT US PAGE
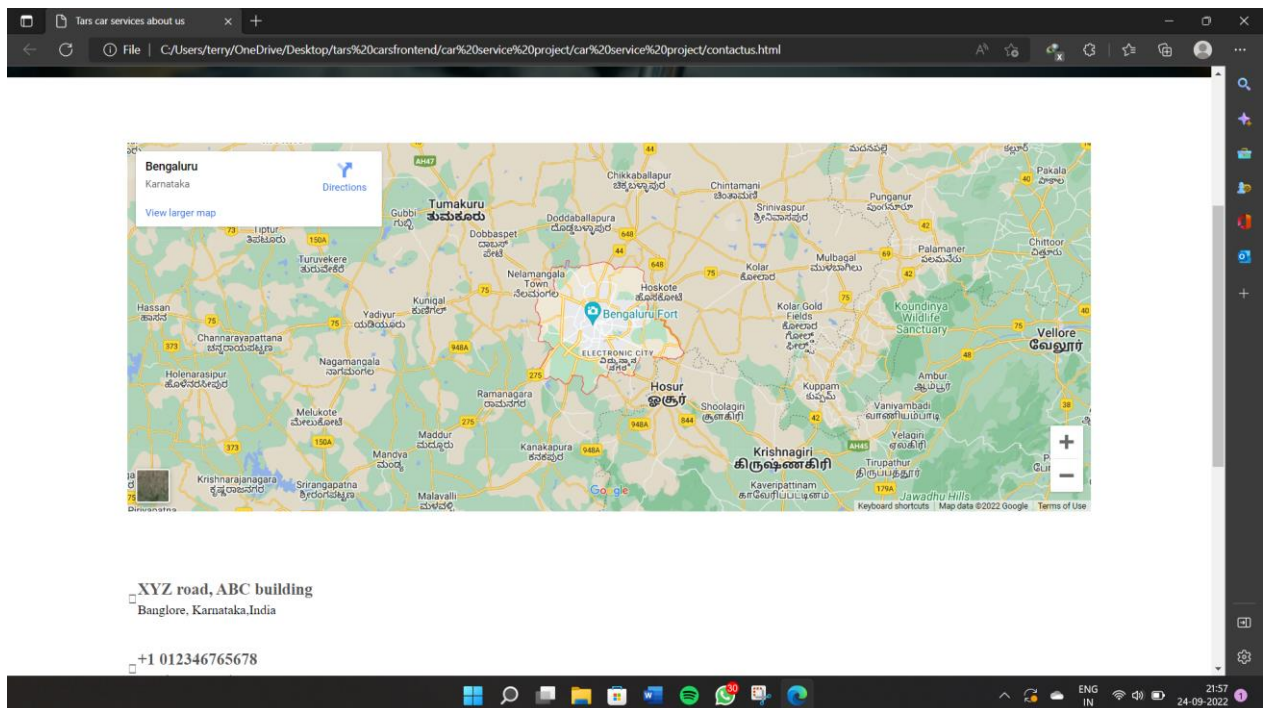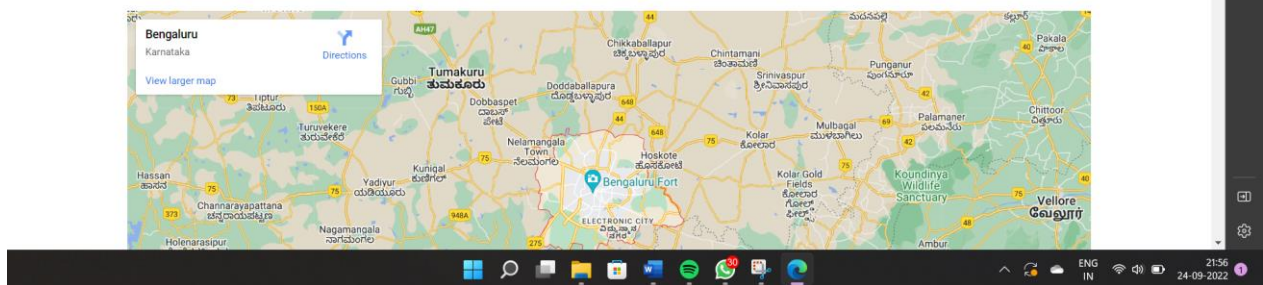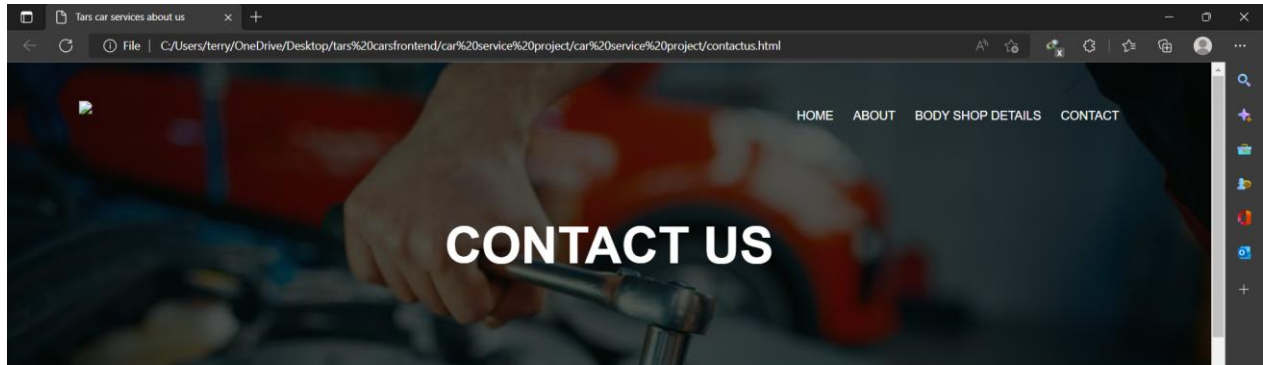
# **CHAPTER 9**

## **CONCLUTION**

# 9. <u>CONCLUTION</u>

The package was designed in such a way that future modifications can be done easily. The following conclusions can be deduced from the development of the project:

❖ Automation of the entire system improves the efficiency

❖ It provides a friendly graphical user interface which proves to be better when compared to the existing system.

❖ It gives appropriate access to the authorized users depending on their permissions.

❖ It effectively overcomes the delay in communications.

❖ Updating of information becomes so easier

❖ System security, data security and reliability are the striking features.

❖ The System has adequate scope for modification in future if it is necessary.

# 10. <u>REFERENCE</u>

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- https://www.geeksforgeeks.org/what-is-full-stack-development/#:~:text=Full%20stack%20development%3A%20It%20refers,complete%20web%20applications%20and%20websites.
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