VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belgaum – 590014

Internship Project Report
On

"Website for VDP Solutions Pvt Ltd"

Submitted in partial fulfillment of the requirement for the award of

BACHELOR OF ENGINEERING
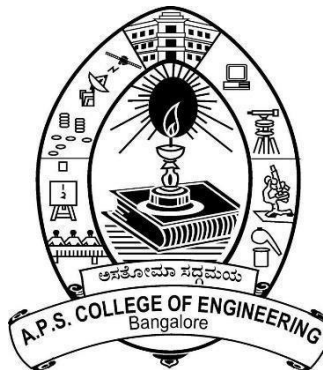
In

INFORMATION SCIENCE & ENGINEERING

By

HARSHITH S   **1AP18IS008**

Under the guidance of:

Mrs. Pallavi H B
Asst. Prof, Dept. of ISE

2021-2022

DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING
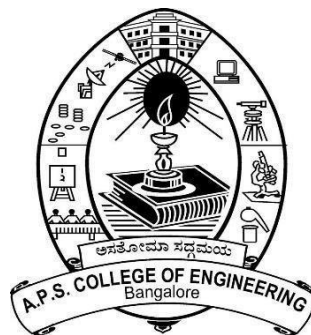
A.P.S COLLEGE OF ENGINEERING

Anantha Gnana Gangothri,
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A.P.S COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University)
Anantha Gnana Gangothri,
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DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

CERTIFICATE

Certified that the Internship Project Work entitled *"Website for VDP Solutions Pvt Ltd"* has been carried out at *IC Solution, Bangalore* by *Harshith S (1AP18IS008),* bonafide students of *Seventh Semester, B.E* in partial fulfillment for the award of degree in *Bachelor of Engineering* in *Information Science & Engineering* affiliated to *Visvesvaraya Technological University, Belgaum* during academic year *2021- 2022.* It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in thereport deposited in departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work for the said degree.

Mrs. Pallavi H B   **Dr. Kumar B I D**   **Dr. A G Nataraj**
Asst. Prof, Dept of ISE   Professor & HOD   Principal

External Viva
Name of the Examiners   **Signature with date**

1.

2

CERTIFICATE

innovation.creation

Certificate ID - 21ICS08FS036

Date - 09/08/2021

Certificate Of Internship

This is to certify that Mr. Harshith S(1AP18IS008) student of "Visvesvaraya Technological University" has completed one month Internship on "Full Stack Web Development" with a grade of " B " in our organization from 7th July 2021 to 8th August 2021 in association with takeiteasy_engineers.

We wish you all the best in your future endeavors.

Anurag Patwary
Anurag Patwary
(Product Manager)

www.icsoln.com   721 JP Nagar 7th Phase, Bengaluru 560078

Web Development • Digital Marketing • Branding
Graphic Designing • Video Editing/Animation

DECLARATION

I hereby declare that the entire project work entitled done at **IC Solution, Bangalore,** submitted to **Visvesvaraya Technological University,** in partial fulfillment of requirements for the degree of **Bachelor of Engineering** in **Information Science & Engineering** is a record of original work done by us and no part of it has been submitted for any degree or diploma of any institution previously.

Place:
Date:

HARSHITH S (1AP18IS008)

ACKNOWLEDGEMENT

I take immense pleasure in thanking **Dr. A G Nataraj,** Principle, APSCE for having permitted us to carry out our Internship Project "**Website for VDP Solutions Pvt Ltd**". I wish to express our deep sense of gratitude to **Dr. Kumar B I D**, Professor and Head of the Department, Information Science & Engineering, for his able guidance and useful suggestions, which helped us in completing this project.

I also express our deep sense of gratitude to our guide **Mrs. Pallavi H B**, Asst. Professor, Dept of ISE for her timely assistance which helped us to complete my internship project.

Words are inadequate in offering our thanks to all the teaching and non-teaching staff of Dept of ISE for their encouragement and co-operation in carrying out my project.

Finally, yet importantly, we would like to express our heartfelt thanks to our beloved parents for their blessing, our friends for their help and wishes for successful completion of this Internship project.

HARSHITH S (1AP18IS008)

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CHAPTER 1

ABOUT THE ORGANIZATION

IC Solution (ICS) is a digital service provider that aims to provide software, designing and marketing solutions to individuals and businesses. At ICS, we believe that service and quality is the key to success

We provide all kinds of technological and designing solutions from Billing Software to Web Designs or any custom demand that you may have. Experience the service like none other!

1.1 COMPANY OVERVIEW

NAME AND ADDRESS	Innovation Creation Solution, No. 721, JP Nagar, 7th phase, Bangalore, Karnataka 560078.
CONTACT DETAILS	+91-9957171355
MAIL ID	anurag.p@icsoln.com
COMPANY PRODUCT MANAGER	Anurag Patwary +91 9957171355

Mission

1. To provide more value per dollar to our clients by providing timely and qualitative services/solutions and attain utmost client satisfaction through skill building, innovation and best practiced processes.

2. To offer total, cost-effective, next generation embedded hardware and software solutions in the shortest possible development time enabling our clients to launch their production.

Vision

1. To bring best of the human assets by providing environment for grooming, nurturing, and growing talent to foster human growth and providing services and solutions to the IT companies globally creating value for our customers.

2. To lead in embedded hardware and software solutions and be known as an electronic product development company of repute.

3. To build strategic partnerships globally with all stakeholders - clients, vendors, and investors.

4. To stay abreast with technology and build our technical competence and domain expertise.

5. To nurture a winning team that has a passion for excellence.

6. To be the delight of our customers by achieving perfection in our processes and quality methods.

CHAPTER 2

INTRODUCTION

2.1 INTERNSHIP DEFINITION

An internship is a period of work experience offered by an organization for a limited period of time.

Typically, an internship consists of an exchange of services for experience between the intern and the organization. Internships are used to determine if the intern still has an interest in that field after the real-life experience. In addition, an internship can be used to create a professional network that can assist with letters of recommendation or lead to future employment opportunities. The benefit of bringing an intern into full-time employment is that they are already familiar with the company, their position, and they typically need little to no training. Internships provide students the ability to participate in a field of their choice to receive hands-on learning about a particular future career, preparing them for full-time work following graduation.

2.2 INTERNSHIP BENEFITS

- **Gain valuable work experience**

  The hands-on work experience interns receive is invaluable and cannot be obtained in a classroom setting, making this one of the most important benefits of internships**.** Interns have the opportunity to apply acquired knowledge to real work experiences, witnessing firsthand the day-to-day job duties they can expect to encounter in their chosen field. In addition to learning the specialized skills of a particular field, transferable skills such as communication, teamwork, and computer proficiency are also obtained in an internship, fully preparing interns to enter the workforce upon graduation.

- **Explore a career path**

  Exploring is an important part of the college experience, and internships are a

great way for students to acquaint themselves with the field they are interested in.

Some students begin college with a major or career path in mind, and end up changing their minds later on. Taking on an internship while in college allows students to work in their desired field, helping them decide if the field is right for them. By graduation, students who interned are more likely to feel confident they chose the right degree.

- **Give yourself an edge in the job market**

  One of the most important internship benefits is that college graduates who already have some work experience in the form of an internship stand out to potential employers. Internship experience makes a college grad more marketable as they usually require less training and can handle more responsibilities. You may also receive a higher starting salary than those who do not have internship experience and are entering the workforce or starting a new career.

- **Develop and refine skills**

  You can learn a lot about your strengths and weaknesses during an internship. Internships allow for feedback from supervisors and others who are established in the field, and offer a unique learning opportunity that you may not have again as a working adult. Embrace the mistakes you make as an intern and the many things that you won 't knows. Ask questions, observe, and take risks to get the most out of your internship training experience.

- **Receive financial compensation**

  Many internships are paid which means you can gain valuable work experience and make money at the same time. A paid internship will provide money to fund your college tuition and expenses.

- ## Network with professionals in the field

  In the working world, it's all about who you know. As an intern, you will be surrounded by professionals in the industry. Internships are more than just about earning credit, getting a grade, or making money; internships provide an opportunity to learn from the people around you, ask questions, and impress. The professionals you encounter during an internship can be your future colleagues or the connection to your first job.

2.3 SERVICES OFFERED

- ### Development
  We develop responsive, functional and super-fast websites. We keep User Experience in mind while creating websites. A website should load quickly and should be accessible even on a small view-port and slow internet connection.

- ### Mobile Application
  We offer a wide range of professional Android, iOS & Hybrid app development services for our global clients, from a start up to a large enterprise.

- ### Design
  We offer professional Graphic design, Brochure design & Logo design. We are experts in crafting visual content to convey the right message to the customers.

- ### Consultancy
  We are here to provide you with expert advice on your design and development requirement.

- ### Videos
  We create a polished professional video that impresses your audience.

CHAPTER 3

TASKS PERFORMED

3.1 ACTIVITIES

WEEKS	CONCEPTS
WEEK 1	· GIT and GITHUB. · HTML. · CSS.
WEEK 2	· JAVASCRIPT. · PYTHON and DJANGO.
WEEK 3	· MINI PROJECT.
WEEK 4	· MAJOR PROJECT.

3.2 OVERVIEW OF PROJECT

Project Name: Website for VDP Solutions Pvt Ltd

Team Members: HARSHITH S

This project is based on Web Development And its Applications. The main objective of this project is to learn the implementation of HTML, CSS, JavaScript, Django and SQL. The basic webpage of this project is created using HTML and styling of the webpage is done using CSS and backend is done by using Django and SQL.

This webpage is about one of the greatest companies of all time

VDP Solutions Pvt Ltd

VDP Solutions is a digital service provider that aims to provide software, designing and marketing solutions to individuals and businesses. At VDP, it is believed that service and quality is the key to success. Founded and Funded by Graphic designers from Jahirathu Junction, VDP Solutions has now set a new path towards Digital Solutions.

3.3 REQUIREMENT SPECIFICATION

3.3.1 HARDWARE REQUIREMENT

- Processor – AMD Ryzen 5
- Hard Disk – 1 TB
- Memory – 8GB RAM
- Monitor

3.3.2 SOFTWARE REQUIREMENT

- Windows 10
- XAMMP control panel
- Visual Studio Code
- My SQL

3.4 WEB DEVELOPMENT

Web development broadly refers to the tasks associated with developing websites for hosting via intranet or internet. The web development process includes web design, web content development, client-side/server-side scripting and network security

configuration, among other tasks. Web development is also known as website development.

3.5 SQL

SQL is a standard language for storing, manipulating and retrieving data in databases. Originally based upon relational algebra and tuple relational calculus, SQL consists of a data definition language, data manipulation language, and data control language. The scope of SQL includes data insert, query, update and delete, schema creation and modification, and data access control.

SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 1987.Since then, the standard has been revised to include a larger set of features. Despite the existence of such standards, most SQL code is not completely portable among different database systems without adjustments.

3.6 DJANGO

Django is a web development framework that assists in building and maintaining quality web applications. Django helps eliminate repetitive tasks making the development process an easy and time saving experience. This tutorial gives a complete understanding of Django.

Django is a high-level Python web framework that encourages rapid development and clean, pragmatic design. Django makes it easier to build better web apps quickly and with less code. Django is a registered trademark of the Django Software Foundation, and is licensed under BSD License.

3.7 HTML

HTML is a mark-up language used for structuring and presenting content on the web and the fifth current major version of HTML standard.

HTML 5 includes detailed processing models to encourage more interoperable implementations; it extends, improves, and rationalizes the mark-up available for documents, and introduces mark-up and application programming interfaces (APIs) for complex web applications.

JavaScript often abbreviated as JS, is a high-level, interpreted programming language. It is language which is also characterized as dynamic, weakly typed, prototype-based and multi- paradigm.

Alongside HTML and CSS, JavaScript is one of the three core technologies of the World Wide Web. JavaScript enables interactive web pages and thus is an essential part of web applications. The vast majority of websites use it, and all major web browsers have a dedicated JavaScript engine to execute it.

3.8 CSS

Cascading Style Sheets (CSS) is a simple mechanism for adding style (e.g., fonts, colours and spacing) to Web documents. These pages contain information on how to learn and use CSS and on available software. They also contain news from the CSS working group.

3.9 JavaScript

JavaScript often abbreviated as JS, is a high-level, interpreted programming language. It is a language which is also characterized as dynamic, weakly typed, prototype-based and multi-paradigm. Alongside HTML and CSS, JavaScript is one of the three core technologies of the World Wide Web. JavaScript enables interactive web pages and thus is an essential part of web applications. The vast majority of websites use it, and all major web browsers have a dedicated JavaScript engine to execute it.

3.10   XAMPP SERVER

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible.

3.11 APPLICATIONS

The system can be very well used by the company to expand their customers.

CHAPTER 4

DESIGN AND IMPLIMENTATION

4.1 MODULE DESCRIPTION

The site will contain the following features:

- Home Page
- About Company
- Projects of Company
- Services
- Contact Page

4.2 IMPLEMENTATION

Sample code:

```
<body>
  <div class="tm-container">
    <div>
      <div class="tm-row pt-4">
        <div class="tm-col-left">
          <div class="tm-site-header media">
            <a href="#"> <img class="logo" src="../static/img/logo.jpg" style="width:
100px; height: 100px;"> </a>
            <div class="media-body">
              <h1 class="tm-sitename"> VDP Solutions Pvt Ltd.</h1>
              <p class="tm-slogon"> Providing Supply and Services for
Information Technology.</p>
            </div>
          </div>
        </div>
        <div class="tm-col-right">
          <nav class="navbar navbar-expand-lg" id="tm-main-nav">
            <button class="navbar-toggler toggler-example mr-0 ml-auto"
  type="button"
```

```
                data-toggle="collapse" data-target="#navbar-nav"

                aria-controls="navbar-nav" aria-expanded="false" aria-label="Toggle
navigation">

                <span><i class="fas fa-bars"></i></span>

            </button>

            <div class="collapse navbar-collapse tm-nav" id="navbar-nav">

                <ul class="navbar-nav text-uppercase">

                    <li class="nav-item active">

                        <a class="nav-link tm-nav-link" href="#">Home <span class="sr-
only">(current)</span></a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link tm-nav-link" href="about">About</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link tm-nav-link" href="projects">Projects</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link tm-nav-link" href="services">Services</a>

                    </li>

                    <li class="nav-item">

                        <a class="nav-link tm-nav-link" href="contact">Contact</a>

                    </li>

                </ul>

            </div>

        </nav>

    </div>

</div>


<div class="tm-row">

    <div class="tm-col-left"></div>

    <main class="tm-col-right">
```

```
<section class="tm-content">
            <h2 class="mb-5 tm-content-title">About Us</h2>
            <hr class="mb-5">
            <p class="mb-5">VDP Solutions, a growing IT company based and
operating in Vijayawada, an obvious capital of the newly formed state in India was founded
by wireless communication specialist entrepreneurs to address these challenges for new
generation Internet Protocol (IP) connections.</p>
            <h2 class="mb-5 tm-content-title">Featured Projects and Designs</h2>
            <hr class="mb-5">
            <p class="mb-5">A  project is any undertaking, carried out individually or
collaboratively and possibly involving research or design, that is carefully planned to
achieve a particular aim.</p>
            <p class="mb-5">These are some samples of <a
href="https://dribbble.com/search/Vinith"> Vinith Projects and Designs </a>.</p>
            <div class="slider">
              <figure>
                <div class="slide">
                   <img src="../static/img/vinith-1.jpg" alt="image1">
                   <img src="../static/img/vinith-2.jpg" alt="image2">
                   <img src="../static/img/vinith-3.jpg" alt="image3">
                   <img src="../static/img/vinith-4.jpg" alt="image4">
                </div>
              </figure>
            </div><br><br><br>
            <h2 class="mb-5 tm-content-title">Services We Provide</h2>
            <hr class="mb-5">
            <p class="mb-5">
              <h5><ul>
                <li> Development</li><br>
                <li> Mobile Application</li><br>
                <li> Design</li><br>
                <li> Consultancy</li><br>
```

```
                    <li> Videos</li><br>
                    <li> Product Photo Shoot</li><br>
                    <li> Social Media Management</li>
                </ul></h5>
                <a href="services"><h5 class="text-right">know more...</h5></a>
            </p><br><br>
            <h2 class="mb-5 tm-content-title">Contact Us</h2>
            <hr class="mb-5">
            <p class="mb-5">We would like to respond to your queries and help you
succeed. Feel free to get in touch with us.</p>
            <h2 class="mb-5 tm-content-title">24/7</h2>
            <p class="mb-5">You can contact us by clicking below button.</p>
            <button type="submit" class="btn btn-big btn-primary"
onclick="document.location='contact'">CONTACT US</button>
        </section>
      </main>
    </div>
  </div>


    <div class="tm-row">
      <div class="tm-col-left text-center">
        <ul class="tm-bg-controls-wrapper">
          <li class="tm-bg-control active" data-id="0"></li>
          <li class="tm-bg-control" data-id="1"></li>
          <li class="tm-bg-control" data-id="2"></li>
        </ul>
      </div>
```

4.4 PROJECT DEVELOPMENT

In order to design a web site, the relational database must be designed first. Conceptual design can be divided into two parts: The data model and the process model. The data model focuses on what data should be stored in the database while the process model deals with how the data is processed. To put this in the context of the relational database, the data model is used to design the relational tables. The process model is used to design the queries that will access and perform operations on those tables.

CHAPTER 5

SNAPSHOTS

5.1 HOME PAGE

Index page of the website.
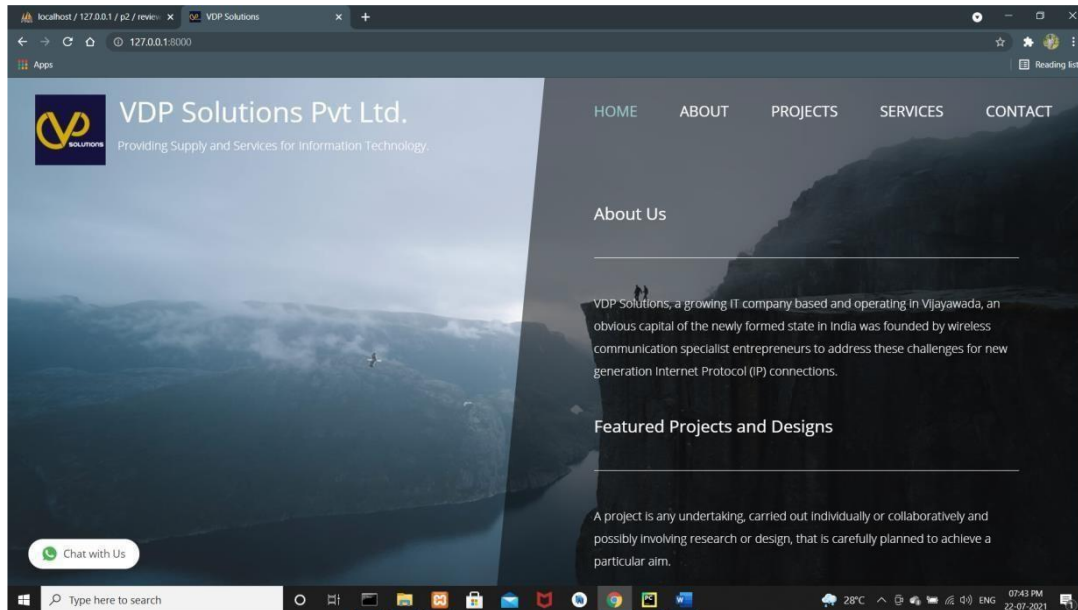
Fig 5.1: Home Page

5.2 ABOUT PAGE

About the company.
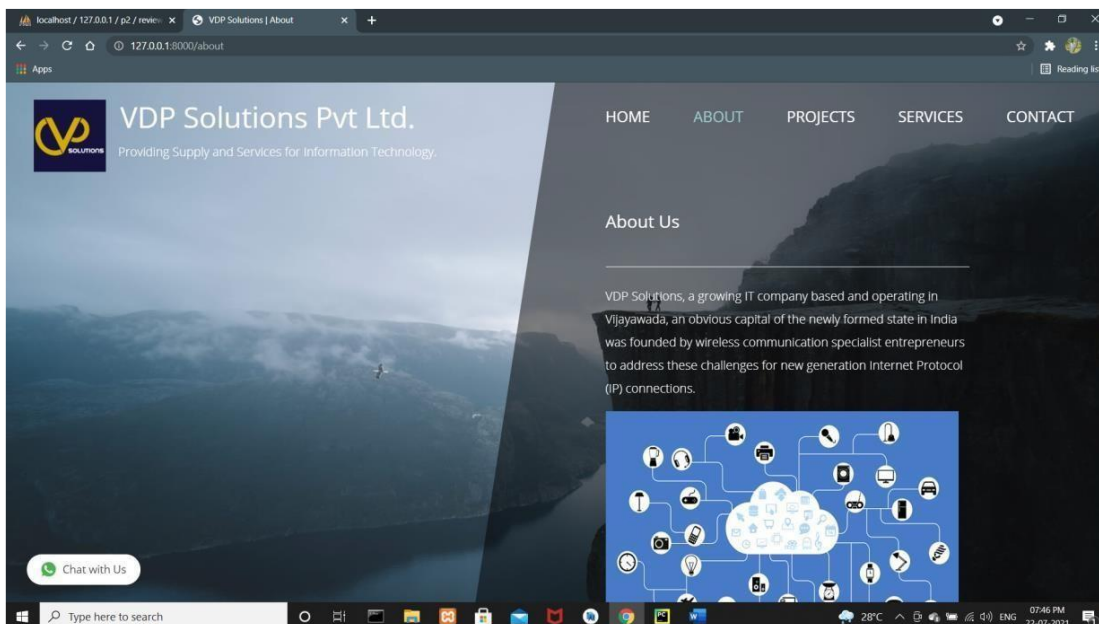
Fig 5.2: About Page

5.3 PROJECTS

Below snapshots are display of company projects.
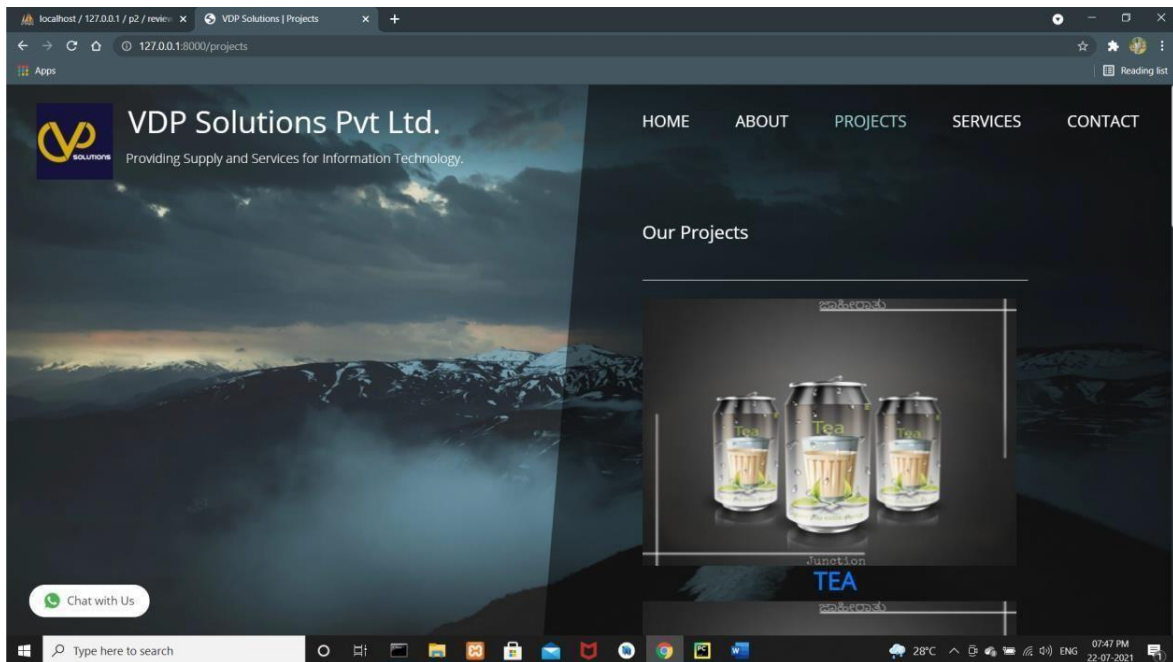
Fig 5.3 (a): Projects
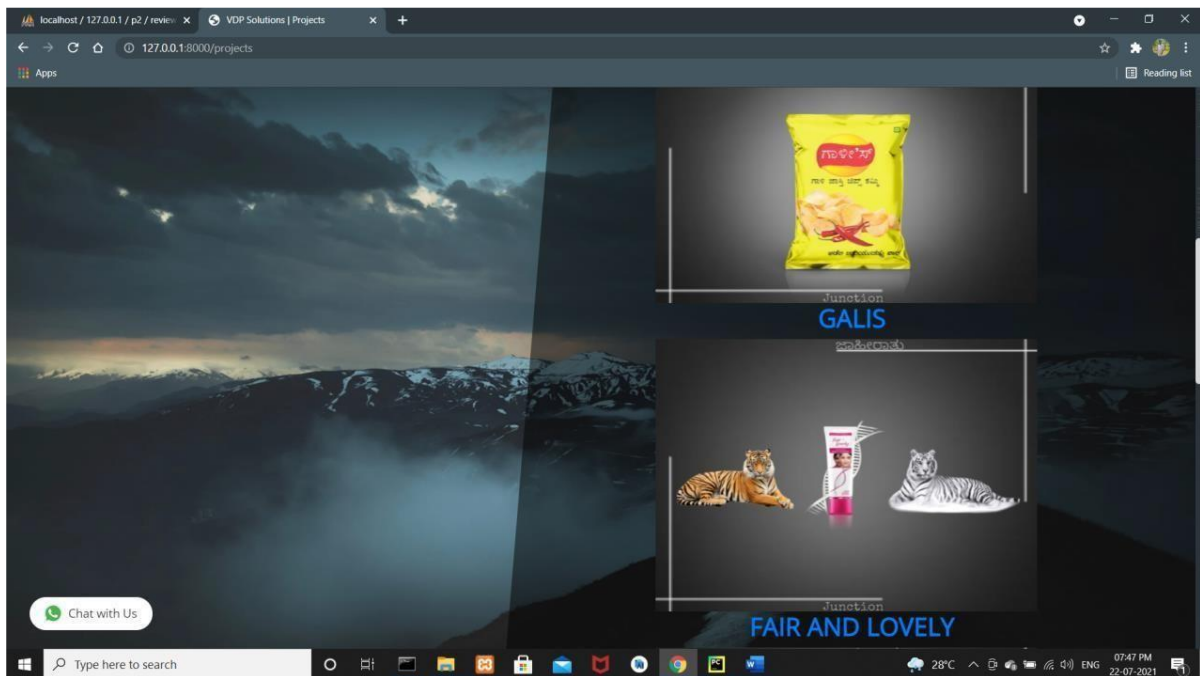
Fig 5.3 (b): Projects
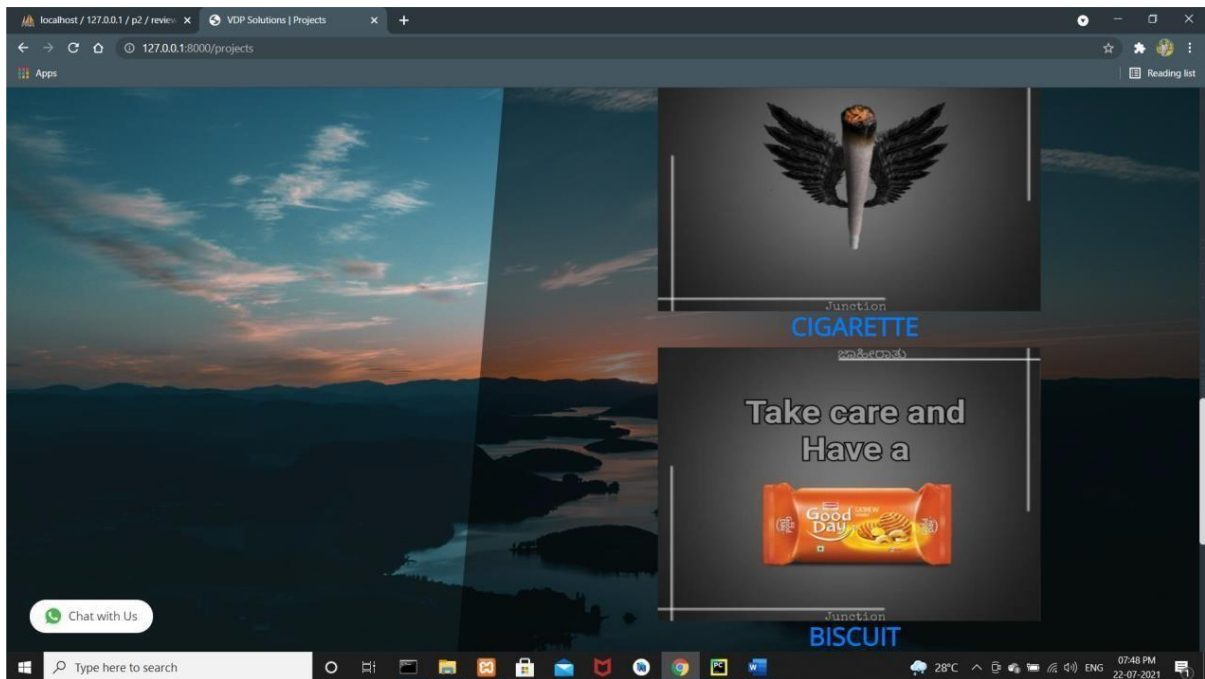
Fig 5.3 (c): Projects
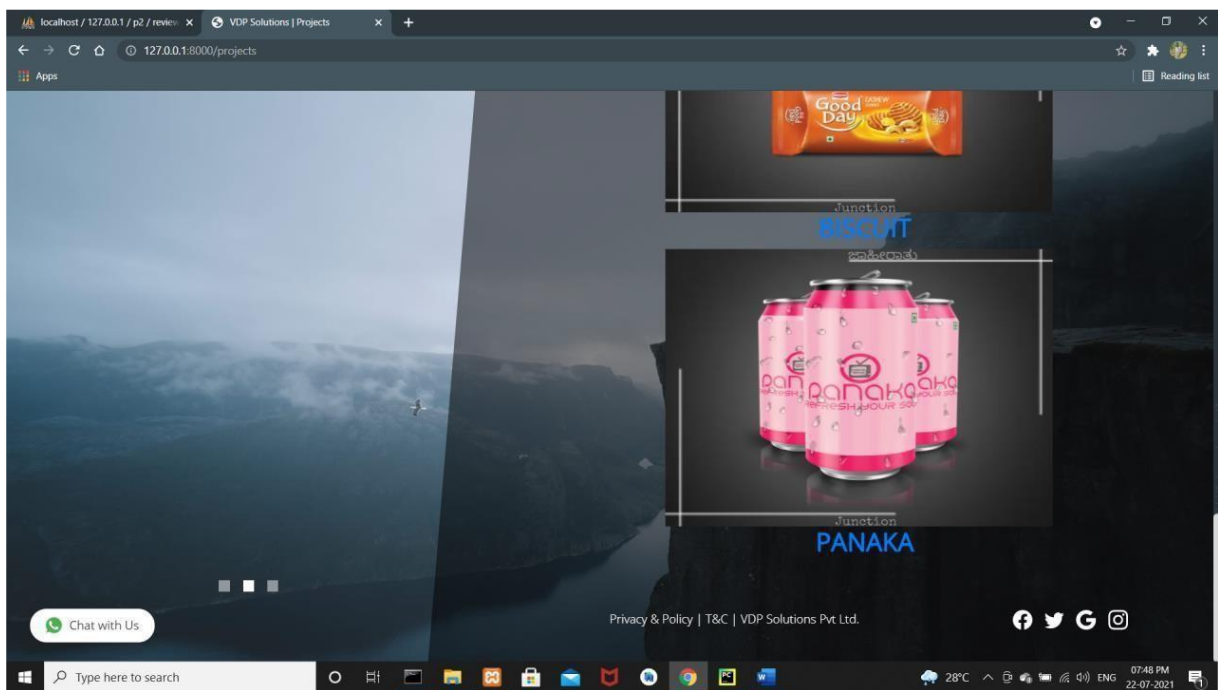
Fig 5.3 (d): Projects

5.4 Reviews

In below snapshots you can see the products and can give review for each product.
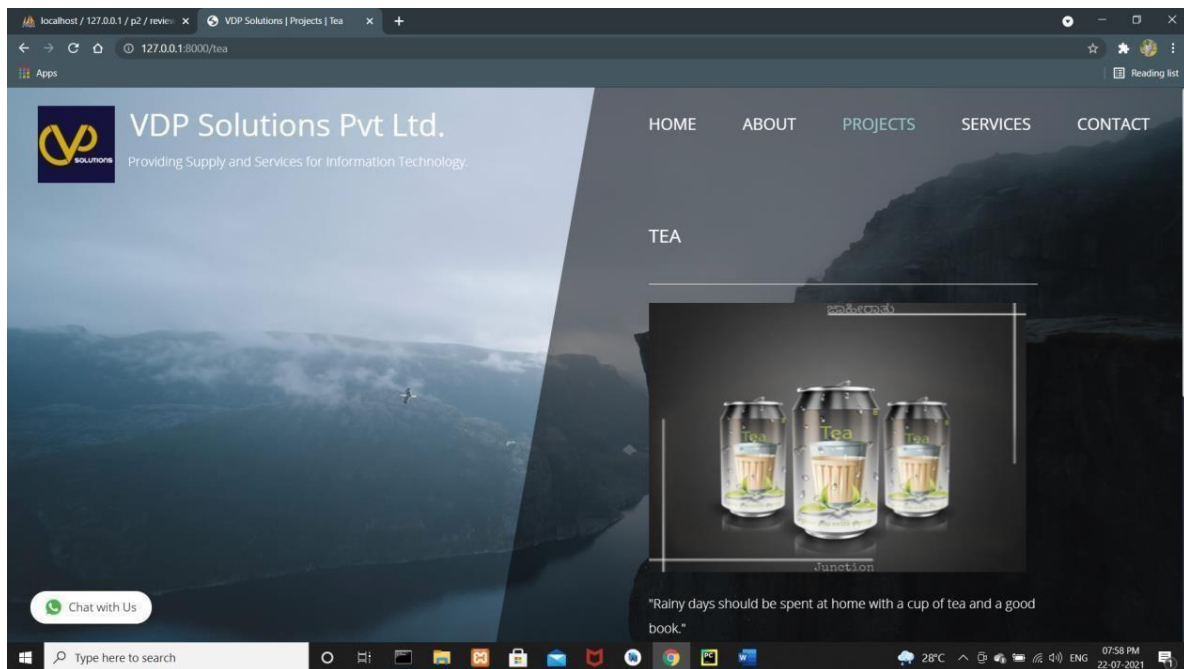
Fig 5.4 (a): Review Page of Tea Product
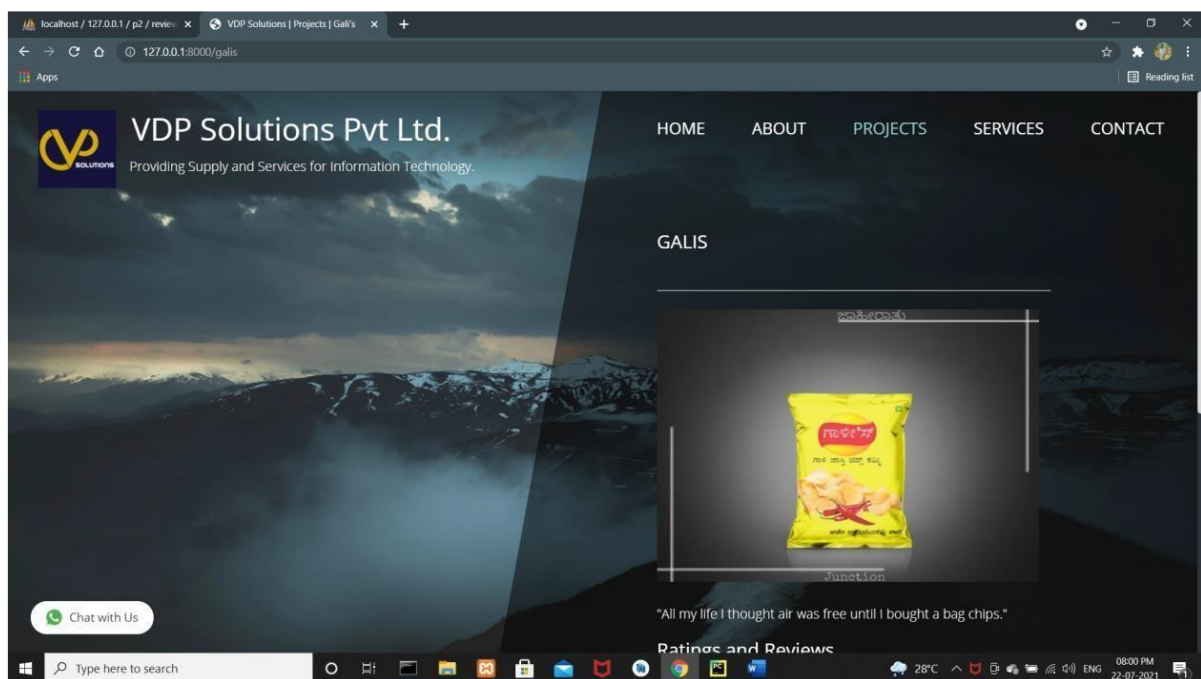
Fig 5.4 (b): Review Page of Galis Product
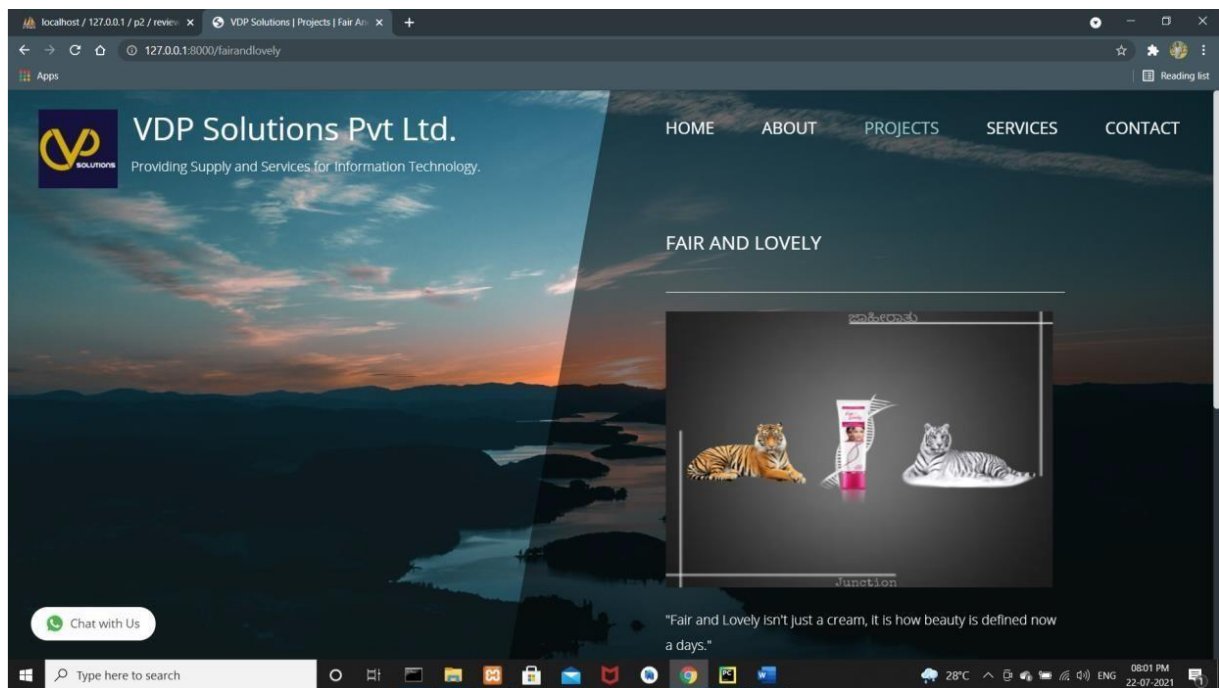
Fig 5.4 (c): Review Page of Fair and Lovely Product
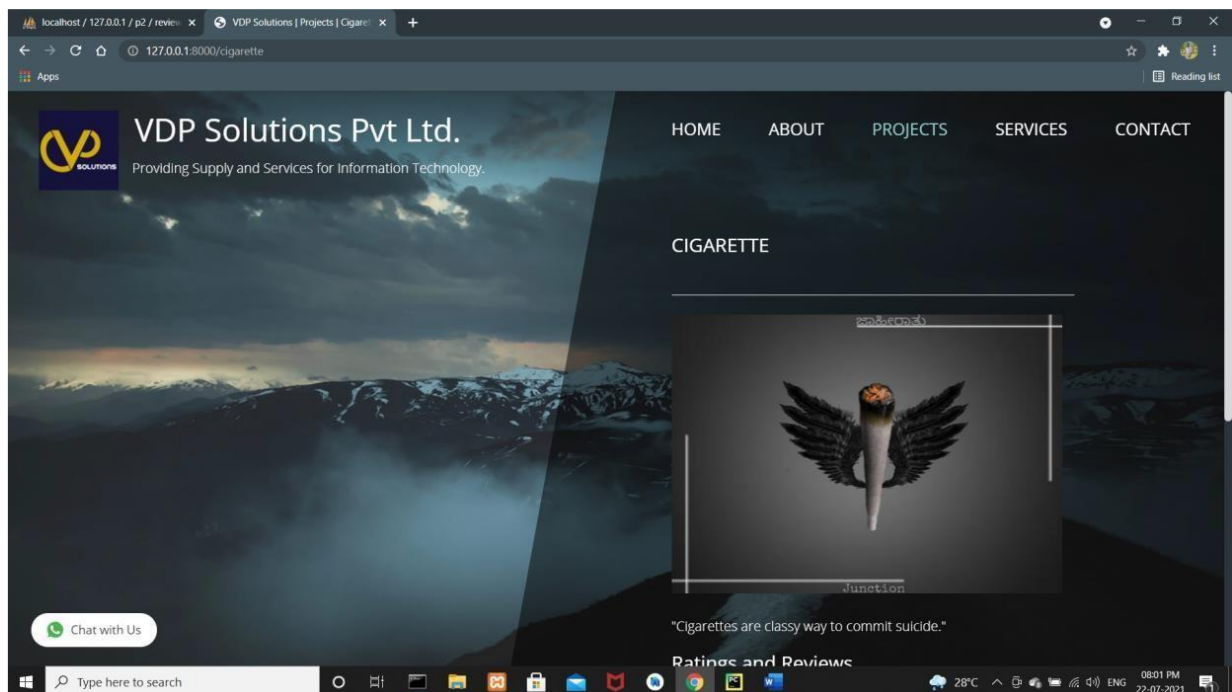
Fig 5.4 (d): Review Page of Cigarette Product
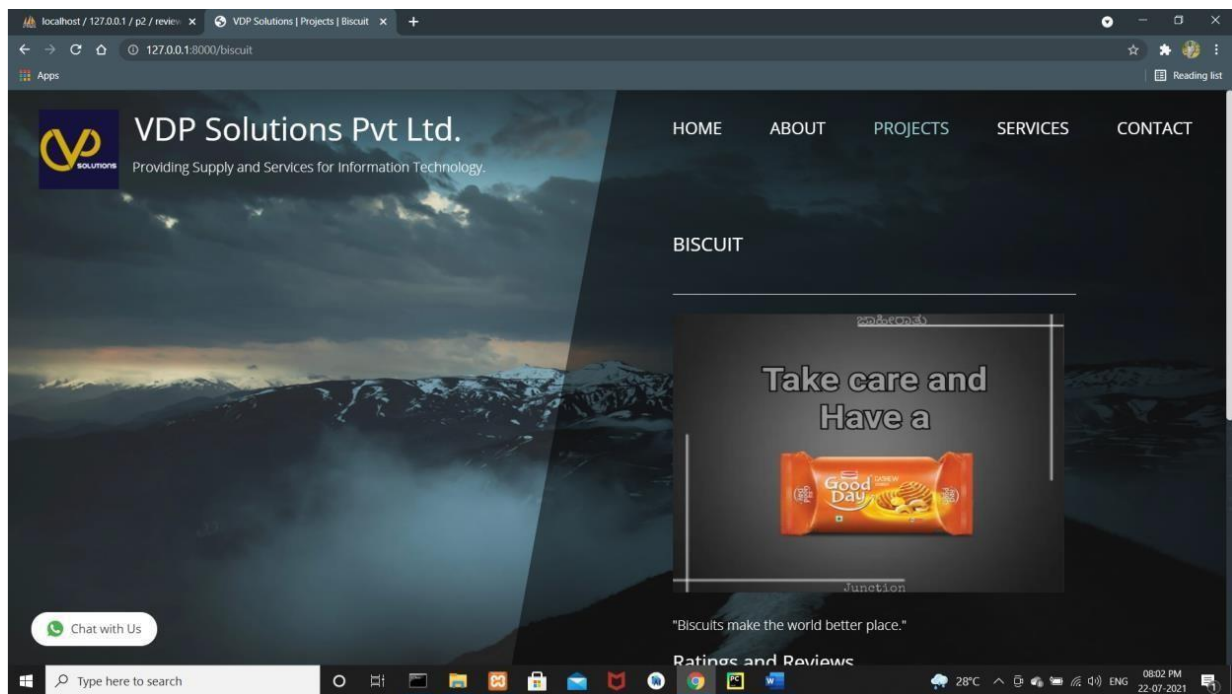
Fig 5.4 (e): Review Page of Biscuit Product
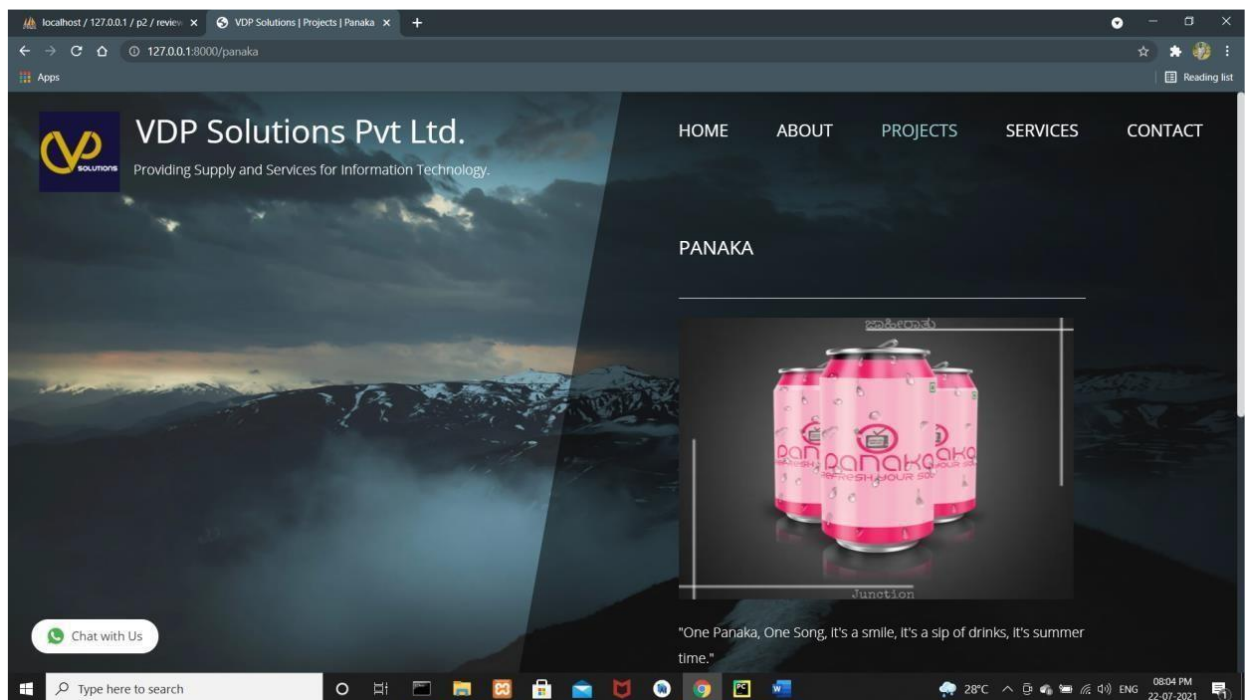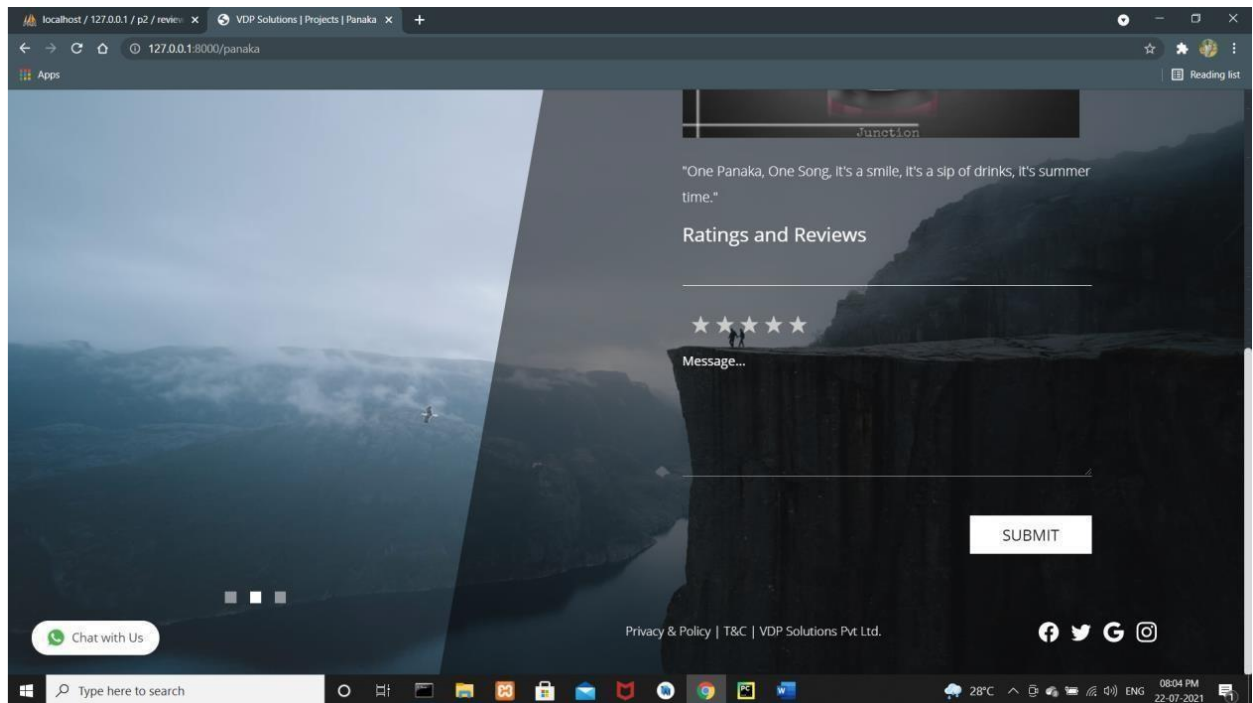

Fig 5.4 (f): Review Page of Panaka Product

Fig 5.4 (g): Review Page

5.5 SERVICES

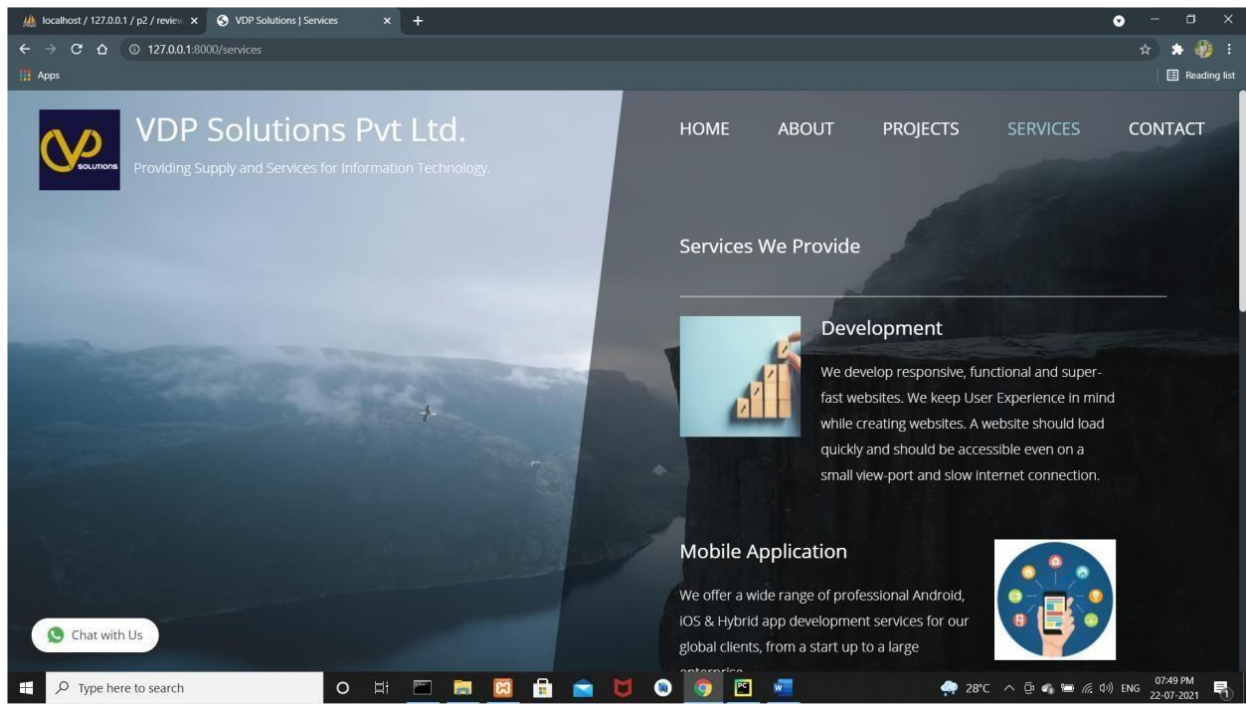Below snapshots are services provided by company are displayed.
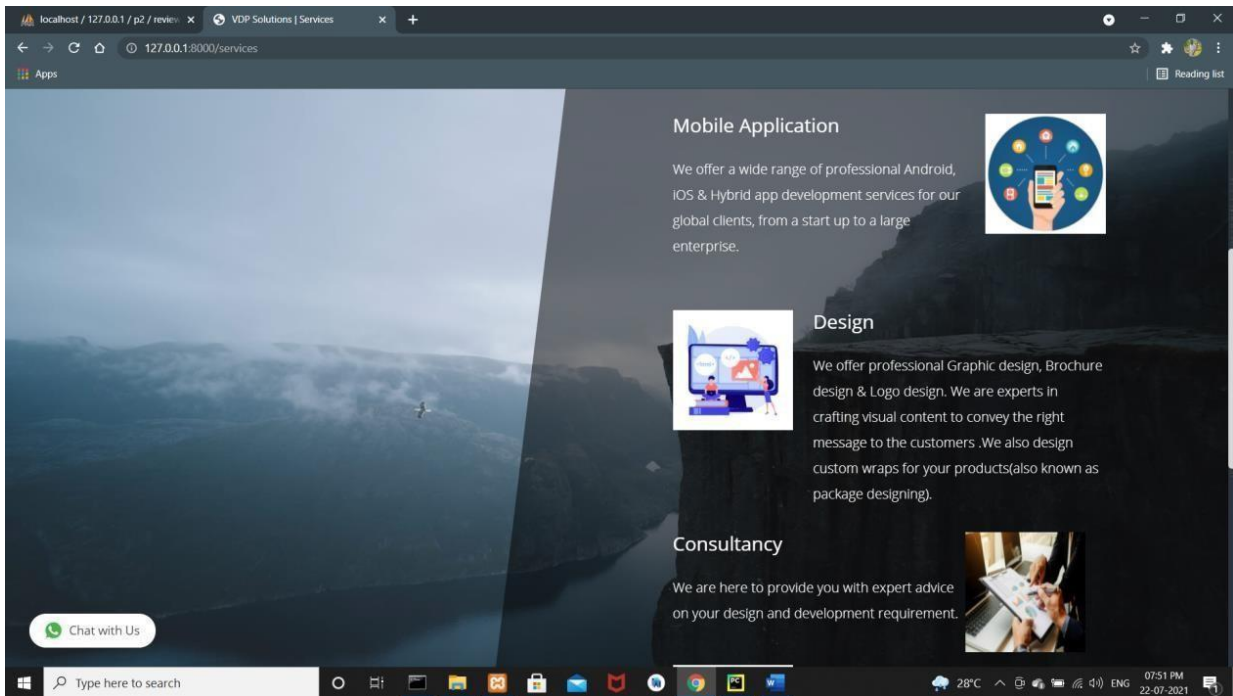

Fig 5.5 (a): Service Page

Fig 5.5 (b): Service Page

5.6 CONTACT PAGE
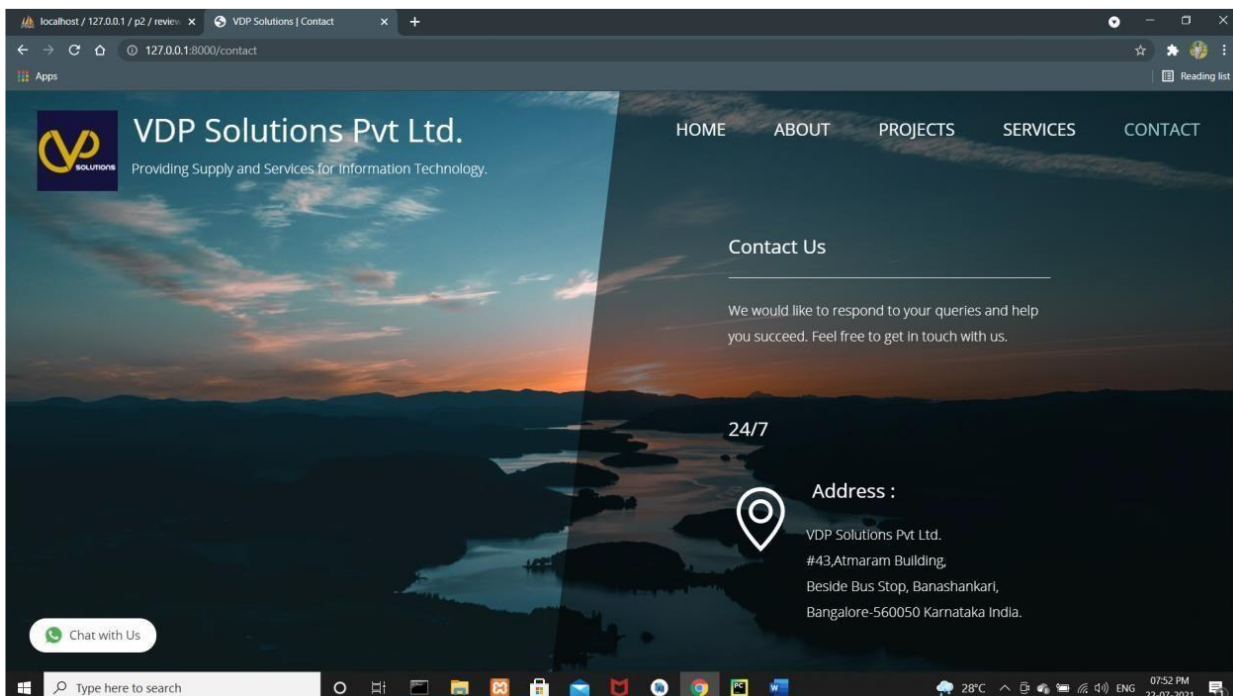
Below snapshots are where user can leave a message or feedback here.

Fig 5.6 (a): Contact Page
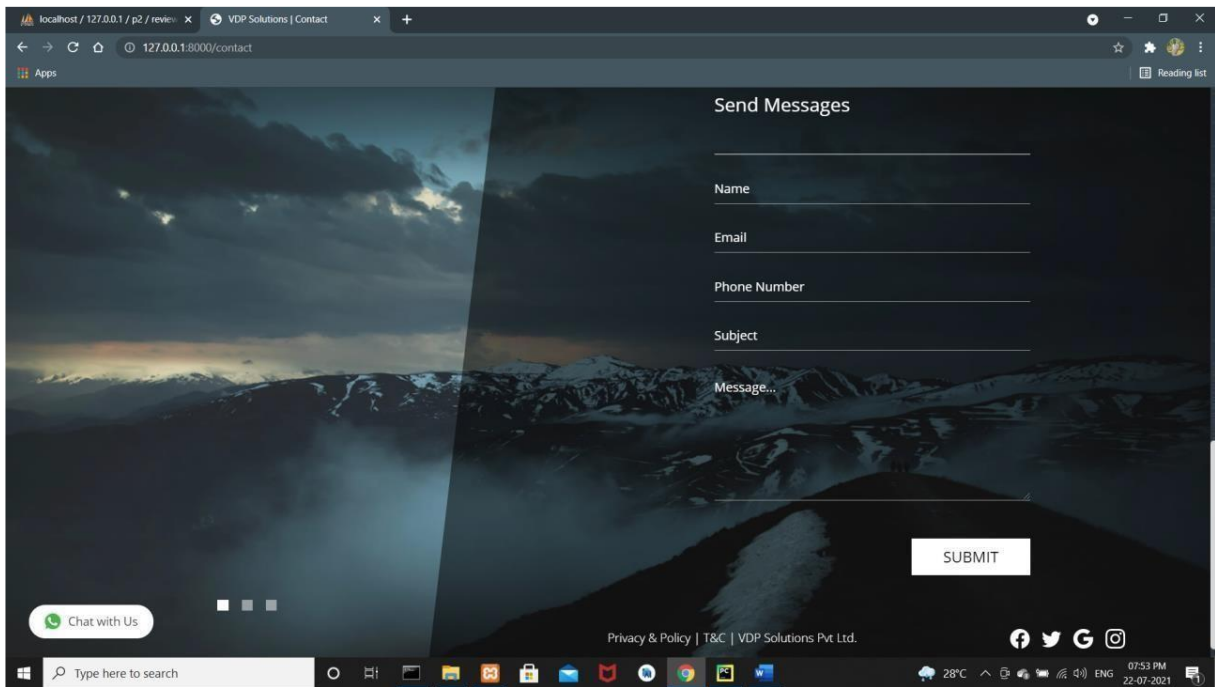
Fig 5.6 (b): Contact Page

5.7 WHATSAPP

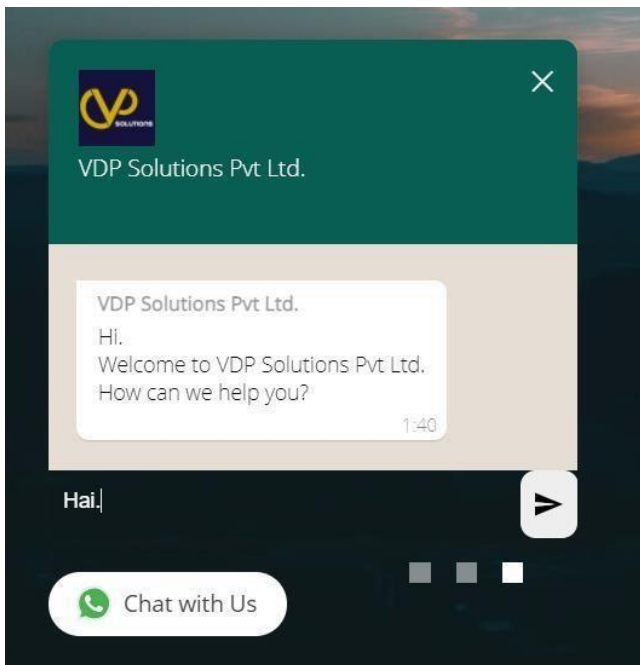User can contact a company through WhatsApp here.

Fig 5.5 (b): WhatsApp

CHAPTER 6

OUTCOMES

6.1 EXPERIENCE AND ASSESSMENTS

Students all have their educational experience in common. What stand out to employers are those students who also have work experience by the time they graduate. This automatically makes them more marketable; as they may require less training and are assumed to be able to handle more responsibilities. In addition to specialized skills of your field, transferable skills are generally required at any job, example; communication/ interpersonal skills, computer proficiency and team work.

Four weeks internship program attended between the sixth and seventh semester was really a great opportunity to learn new things both technically and non-technically. Internship program was under the guidance of technical expert and thus helped a lot in assessing the works and ultimately acquiring knowledge. The project on which I have made was under full stack web development.

It was important to attain basic knowledge in the particular area which demanded exploring new domains of knowledge. Discussions regarding the requirements and reporting the work progress on time helped to improve the communication skills and technical writing skills. The basic knowledge acquired on the particular domain by reading articles, papers and web was helpful for the discussions and grasps the requirements in a better pace.

6.2 TECHNICAL OUTCOMES

In this course, I learnt:

- How to create routes (or views) with Django.
- How to serve static content and files using Django.
- How to connect templates with models to serve data dynamically.
- How to create Models and how to connect them with Templates and Views.

- How to work with databases using SQLite

- How to handle and validate forms in Django.

- How to create Relative URLs with templates and how to check out Template and Custom Filters.

6.3 NON-TECHNICAL OUTCOMES

COMMUNICATION

• Great opportunity to improve the communication skills by writing and discussing the work progress up to date to the colleagues and guides.

• Was able to maintain a constant communication with the entire team throughout the work.

TEAMWORK

• Because so many jobs involve working in one or more work groups, you must have the ability to work with others in a professional manner while attempting to achieve a common goal.

• Achieved good team working skills to work well and cooperate with colleagues for the greater good of the company.

• For technical and business discussions, had to communicate with people in different domain, thus helped a lot to improve on team work skills.

TIME MANAGEMENT

• Time management was a crucial part as the work was related to the field of web and app development.

• The requirement was to read and understand articles on the particular domain and gather requirements from experts.

• Timely communication, development and updating work progress were notable.

DECISION-MAKING

- Came across various situations to take decision regarding the language, tools and techniques to be used, algorithms and data structures.

- Went through a detailed discussion with the clients and project manager to make appropriate decision in necessary situations and come up with the optimal outcome

.

PLANNING AND PRIORITIZING

- Got the opportunity to plan and prioritize things based on the importance and urgency when there are multiple tasks.

- Multiple tasks were assigned at a time where planning and prioritizing among tasks was necessary.

RESEARCH/CRITICAL THINKING

- Had a great opportunity to work as part of research project and learned how to explore new domains of interest.

- Improved on finding answers to domain specific and technical questions.

- It was a nice experience to analyze and understand the research progress and work according to the environment.

CHAPTER 7

CONCLUSION

In review, this internship has been an excellent and rewarding experience. I have been able to gain new skills, knowledge and to meet and network with many people and learn different techniques, plan of working from them. This knowledge and skills will be helpful in coming time. Learned the different facets of working within the company. This internship finds out my strengths and weakness. Other than my studies I learned more about web development techniques and tools used for designing the application.

I would apply these techniques and skills in my working career. And I will use these skills in developing any application in future. At the end, this internship gave me a new insights and experience to pursue my career. I hope my work on web and app development helps it meet its goals.

We can conclude that there is difference between the theoretical and practical work done. As the scope of understanding will be much more when practical work is done and we get more knowledge in such a situation where we have great experience doing the practical work.

CHAPTER 8

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