

VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

“WE SAVE ANIMALS NGO WEBSITE DEVELOPMENT”

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

BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND ENGINEERING

Submitted by:

NAME : SHREE VIDHYA.N

USN : 4VM20IS042

CONDUCTED BY:



Varcons Technologies Pvt Ltd



VIDYA VIKAS INSTITUTE OF ENGINEERING & TECHNOLOGY DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

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VIDYA VIKAS INSTITUTE OF ENGINEERING & TECHNOLOGY
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CERTIFICATE

This is to certify that the Internship titled “**We Save Animal NGO Website Development**” carried out by **SHREE VIDHYA.N**, a bonafide student of VIDYA VIKAS INSTITUTE OF ENGINEERING & TECHNOLOGY, in partial fulfillment for the award of **Bachelor of Engineering**, in **INFORMATION SCIENCE AND ENGINEERING** 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, SHREE VIDHYA.N, 6TH SEM students of Information science and Engineering, Vidya Vikas institute of engineering and technology - 560 028, declare that the Internship has been successfully completed, in **VARCONS TECHNOLOGIES**. This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Branch name, during the academic year 2022-2023.

Date : 11-05-2023

Place : MYSURU

USN : 4VM20IS042

NAME : SHREE VIDHYA.N

OFFER LETTER PROVIDED BY THE COMPANY



Date: 13th April, 2023

Name: **Shree Vidhya.N**
USN: **4VM20IS042**

Dear Student,

We would like to congratulate you on being selected for the **Full Stack Web Development** Internship position with **Varcons Technologies**, effective Start Date **13th April, 2023**. All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of **Full Stack Web Development** through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!

Sincerely,

Spoorthi H C

Director

VARCONS TECHNOLOGIES

213, 2nd Floor, 18 M G Road, Ulsoor,

Bangalore-560001

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 Principal, for providing us adequate facilities to undertake this Internship.

We would like to thank our Head of Dept – branch code, for providing us an opportunity to carry out Internship and for his valuable guidance and support.

We would like to thank our (Lab assistant name) Software Services for guiding us during the period of internship.

We express our deep and profound gratitude to our guide, Guide name, Assistant/Associate Prof, for her 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, for helping 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.

NAME :

SHREE VIDHYA.N

USN :

4VM20IS042

ABSTRACT

Drawing the idea from the influence of social networking sites on our day-to-day life and Web Application for the betterment of pets that will be developed by using the concept of native Web Application development.

The current page is a web-based application wherein the welfare of pet animals is taken care of. It is a place where stray, lost, abandoned, or surrendered pets are brought and severed. Each pet requires special care and attention which is fulfilled in the organization. The application allows the user to adopt a pet, volunteer towards the pet, purchase the products that are related to pets and donate the desired amount to the organization. Since this application is developed for a non-profitable organization, the amount donated will be utilized for the welfare of the pets. The user of the application can work towards a pet as a volunteer and also he/she can adopt the pet from the application. The application contains pets' related products such as food, grooming products, etc. for purchase. The purchase of products is done using a credit card, debit card, or cash on delivery. The application also provides guidelines to the user regarding the health care of pets, how the pets need to be nurtured, how they have to be taken care of after being adopted. HTML 5, CSS3, and JavaScript are used to develop the application. The back end of the application uses NodeJS package managers like npm and yarn, also NodeJS provides functionalities to create easy-to-deploy development servers that are relatively easy to debug.

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CHAPTER 1

COMPANY PROFILE

1. COMPANY PROFILE

A Brief History of Varcons Technologies Pvt Ltd

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.

Sarva Moola Software Services. 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, Sarva Moola Software Services. specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting clients requirements.

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 brainstorming session, 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 it in one sentence ” Technology helps you to Delight your Customers” and that is what we want to achieve.

CHAPTER 2

ABOUT THE COMPANY

2. ABOUT THE COMPANY

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 tutorial's. 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 software development 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 specific 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 specified 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 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

Compsoft 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 Compsoft Technologies gives you the facility of skilled employees so that you do not feel unsecured about the 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 Compsoft 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. INTRODUCTION

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 a 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.

Redesign for WESAVEANIMALS- NGO

CHAPTER 4

SYSTEM ANALYSIS

4. SYSTEM ANALYSIS

1. Existing System

Many **animal welfare websites/organizations** are concerned with the health, safety and psychological wellness of individual animals. These organizations include [animal rescue groups](#) and [wildlife rehabilitation](#) centers, which care for animals in distress and [sanctuaries](#), where animals are brought to live and be protected for the rest of their lives. Their goals are generally distinct from conservation organizations, which are primarily concerned with the preservation of [species](#), populations, [habitats](#), [ecosystems](#) and [biodiversity](#), rather than the welfare of individual animals

2. Proposed System

The project aims to build a pet-friendly Web Application where the users can get connected, share their pet's pictures, and also share the picture of some abandoned animals they come across, through which a shelter can be searched for the poor animal. The project also displays items that can be bought by users for their pets' nourishment and care. The future implementation of this project is that later GPS location will be added to the site through which location of the abandoned animals and shelter for them can be reached easily. Other features like creative dog emoji and changes in the CSS of the page will be implemented. As the project is a pet-friendly site, more pet-friendly products will be added to the purchasing frame of the site.

3. Objective of the System

- We are dedicated to rescuing, treating, rehabilitating and caring for all animals
- Training and educating particularly children, about sound animal care and welfare, this is of paramount importance; we will provide activities on a wide range of animal topics aimed at informing, advising, educating and enabling participants to develop their knowledge of animals. Alongside this we will provide projects for schools to allow children to learn about and care for animals
- We always try to make sure that wild animals are released back into a safe environment and that pets and farm animals are fully assessed, treated and looked after for the rest of their lives either in our care or in the care of their new adopters.
- Work for political, local, national and international policy changes relating to the improvement of all animal welfare issues
- Co-operate with like-minded organisations to promote animal welfare
- To raise sufficient funds to facilitate the achievement of our stated aims

CHAPTER 5

REQUIREMENT ANALYSIS

5. REQUIREMENT ANALYSIS

Hardware Requirement Specification

- MySQL
- NODE JS
- Notepad++ Editor
- Processor: Intel core i5 processer
- Memory: 15.6 GB
- Hard Disk: 40 GB

Software Requirement Specification

A] Functional Requirements

- Visual studio code
- Figma
- Mongo dB

B] Non-Functional Requirements

☐ Availability

The online registration system shall permit backing up of the registration database while other registration activities 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 changed by the system's data administrator. Passwords shall never be viewable at the point of entry or any other time.

CHAPTER 6

DESIGN ANALYSIS

6. DESIGN & ANALYSIS

The Product Design Project: Housing and Feeding Stations for Stray Animals

Before building the design brief, different alternative design projects for design for animals were evaluated according to their suitability for the proposed social design toolkit, accessibility for students, and approximate duration. Taking account of these specifications, it was decided to assign housing and feeding stations for stray animals in Gazi University campuses as a product design project. Details of the nine phases of the project combining social design thinking and product development process (as the outline is mentioned in Figure 1) are as follows:

Preparing a guideline for “Design of housing and feeding stations for stray animals”

In this phase, instructors prepared a guideline for “Design of housing and feeding stations for stray animals”. This guideline consists of five freedoms of animal welfare developed by The Farm Animal Welfare Council (2009) and principles for design of animal shelters and feeding stations. Five freedoms of animal welfare: Before designing animal shelters and feeding stations, it is vital to take into consideration the needs of the animals. The Farm Animal Welfare Council (2009) was developed “Five freedoms of animal welfare” describing both the needs of domesticated animals and duties of care owed to them. It is used around the world as a benchmark for the care of all animals in shelters too. The five principles are freedom from hunger and thirst, freedom from pain, injury, and disease, freedom from fear and distress, freedom from discomfort, and freedom to express normal behaviour.

Design of housing and feeding stations for stray animals

Site Selection: Before selecting sites for the shelters and feeding stations, instructions that should be followed are as follows:

- Identifying the population of stray dogs and cats that needed help in the area over the previous few years, and their behavioural situations whether they live individual or as a group.
- Researching existing situation about stray animals in the area, how they are cared for and by whom. (Local organizations or communities responsible)
- Analysing environmental conditions and geological structure and which materials could be recommended these conditions.
- Obtaining information from local organizations and people about proposed the shelters and feeding stations.

CHAPTER 7

IMPLEMENTATION

7. IMPLEMENTATION

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 its 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

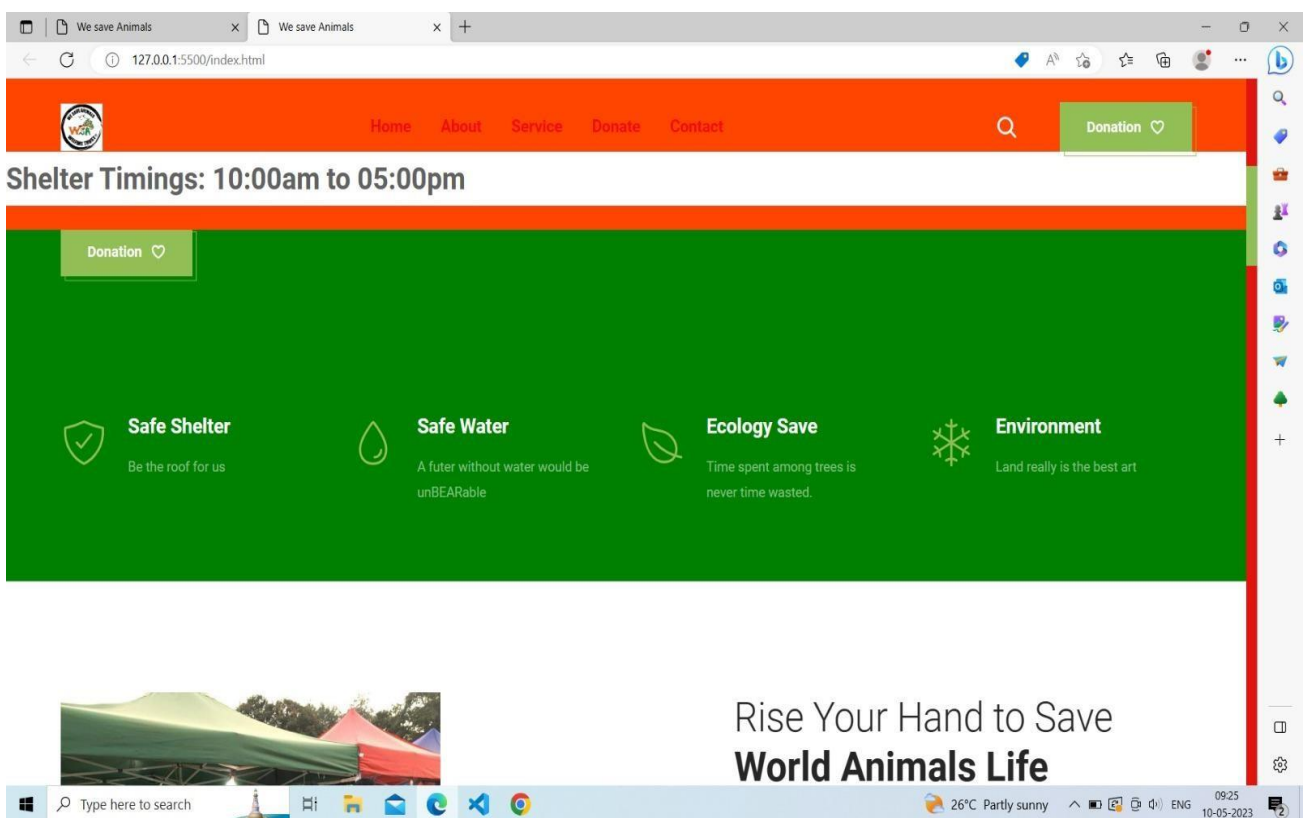
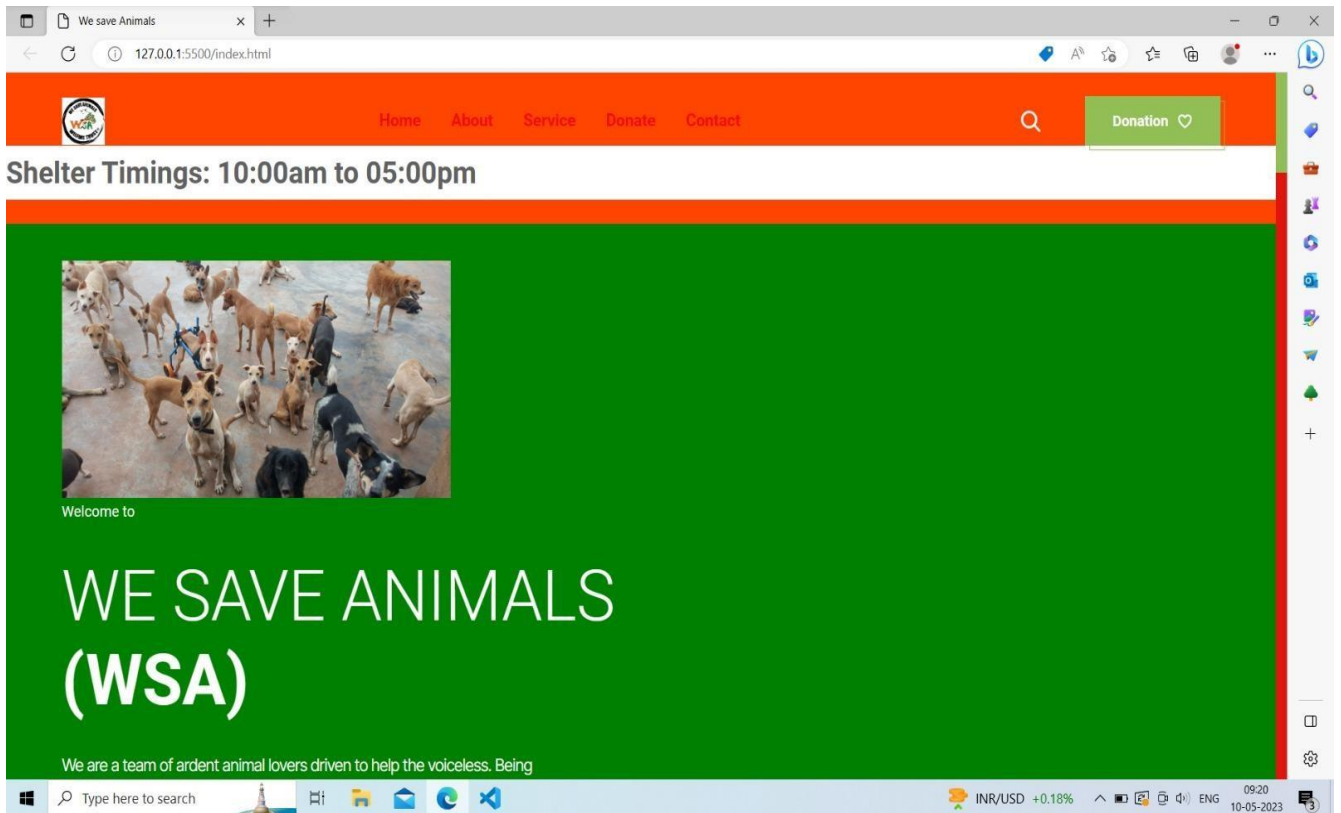
The testing phase is an important part of software development. It is the Information zed system will help in automate process of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. Software testing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




127.0.0.1:5500/index.html

Home About Service Donate Contact

Donation

Shelter Timings: 10:00am to 05:00pm



Rise Your Hand to Save World Animals Life

Founder

Praveen Kumar L also affectionately called Rider Praveen, is an ex-gym instructor who gave up his job, his means of livelihood, all his and his family's assets and savings to start We Save Animals (WSA) Welfare Trust. From paralysed, blind, old-age animals to accident cases, cruelty cases and terminally ill animals - he takes them all in, giving them happiness, food and a home in his shelter.

HOW IT STARTED

It started for Praveen in 2013, when he rescued a kitten with a spinal injury. He nursed it at home, but it passed away after a week, leaving Praveen to wonder what he could do to help numerous animals like this, that suffer in silence. So he started by rescuing injured animals, and keeping them at home. Soon, as the number of rescues increased, he started looking for temporary shelters to house them

Type here to search



26°C Partly sunny 09:27 10-05-2023

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Home About Service Donate Contact

Donation

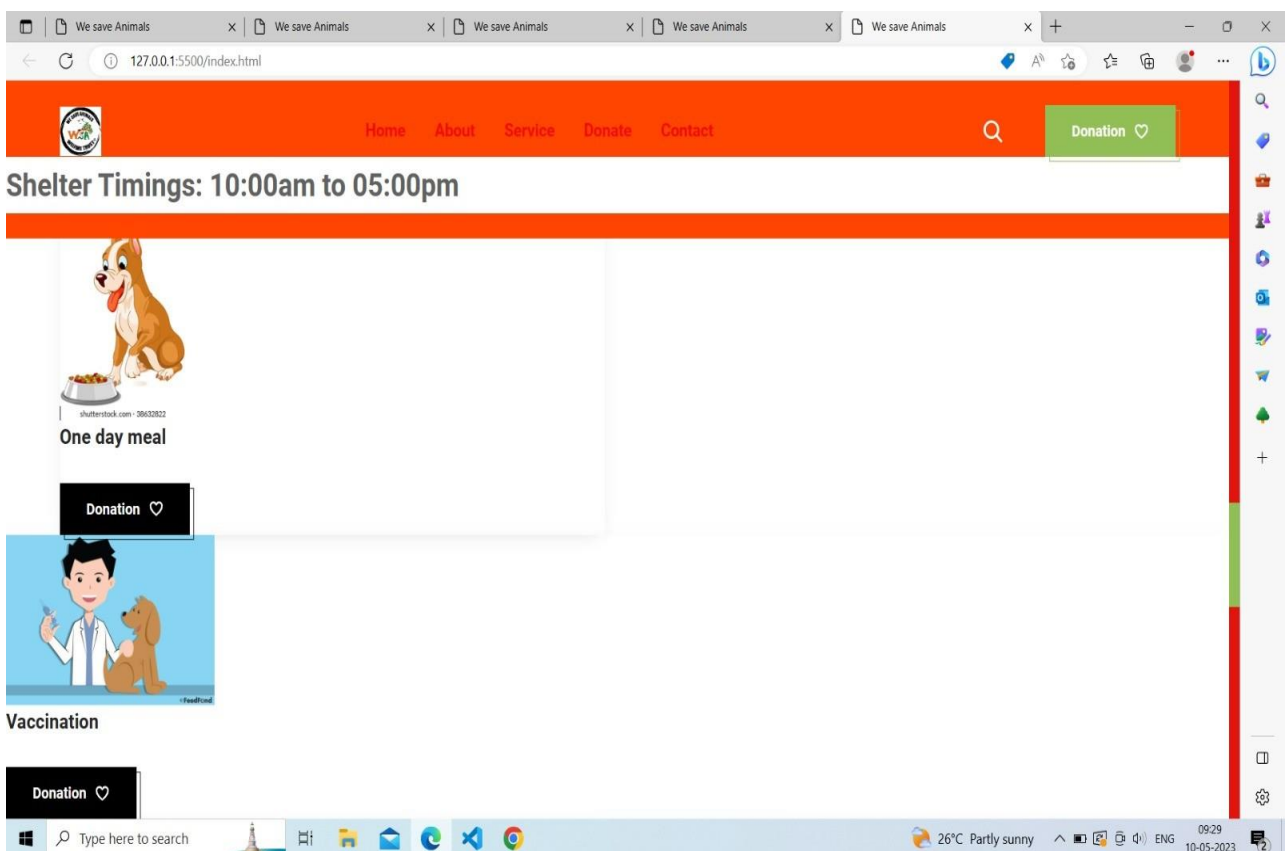
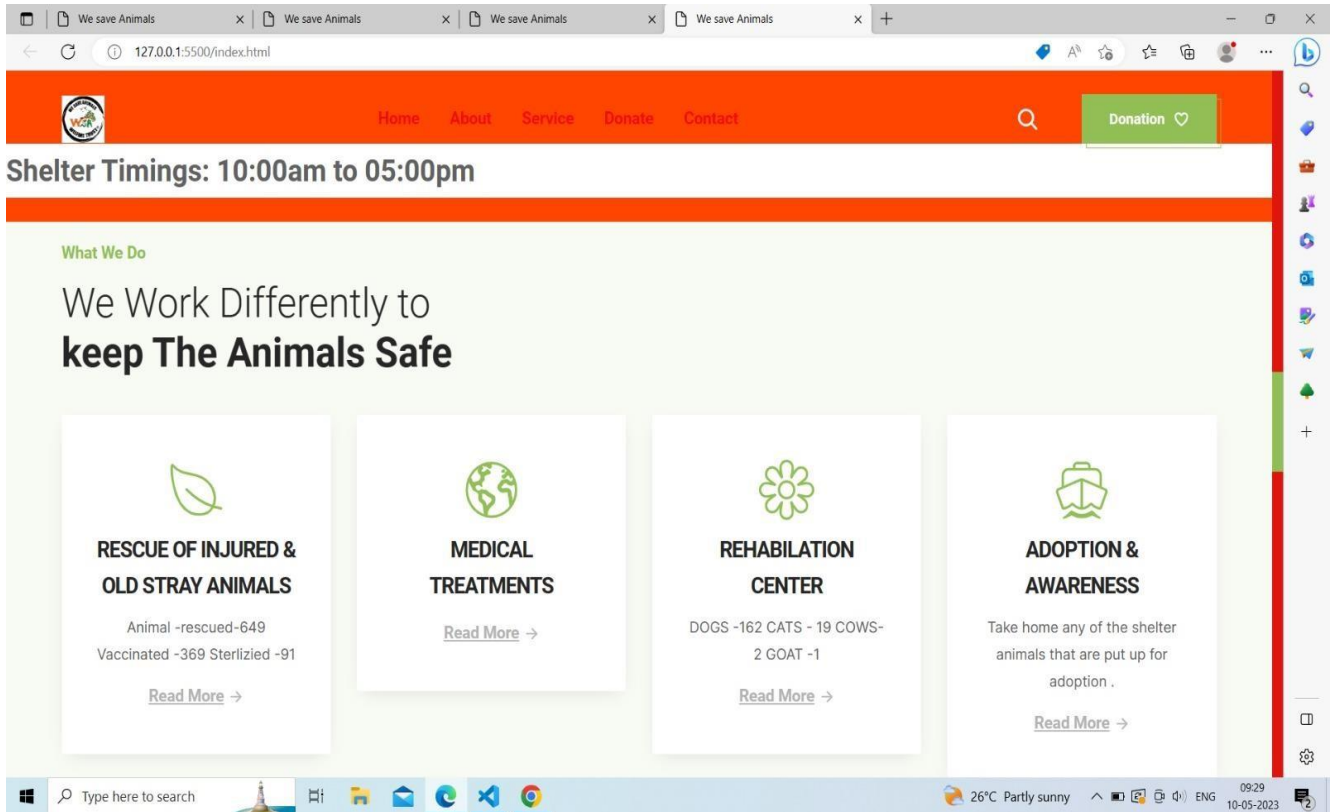
Shelter Timings: 10:00am to 05:00pm

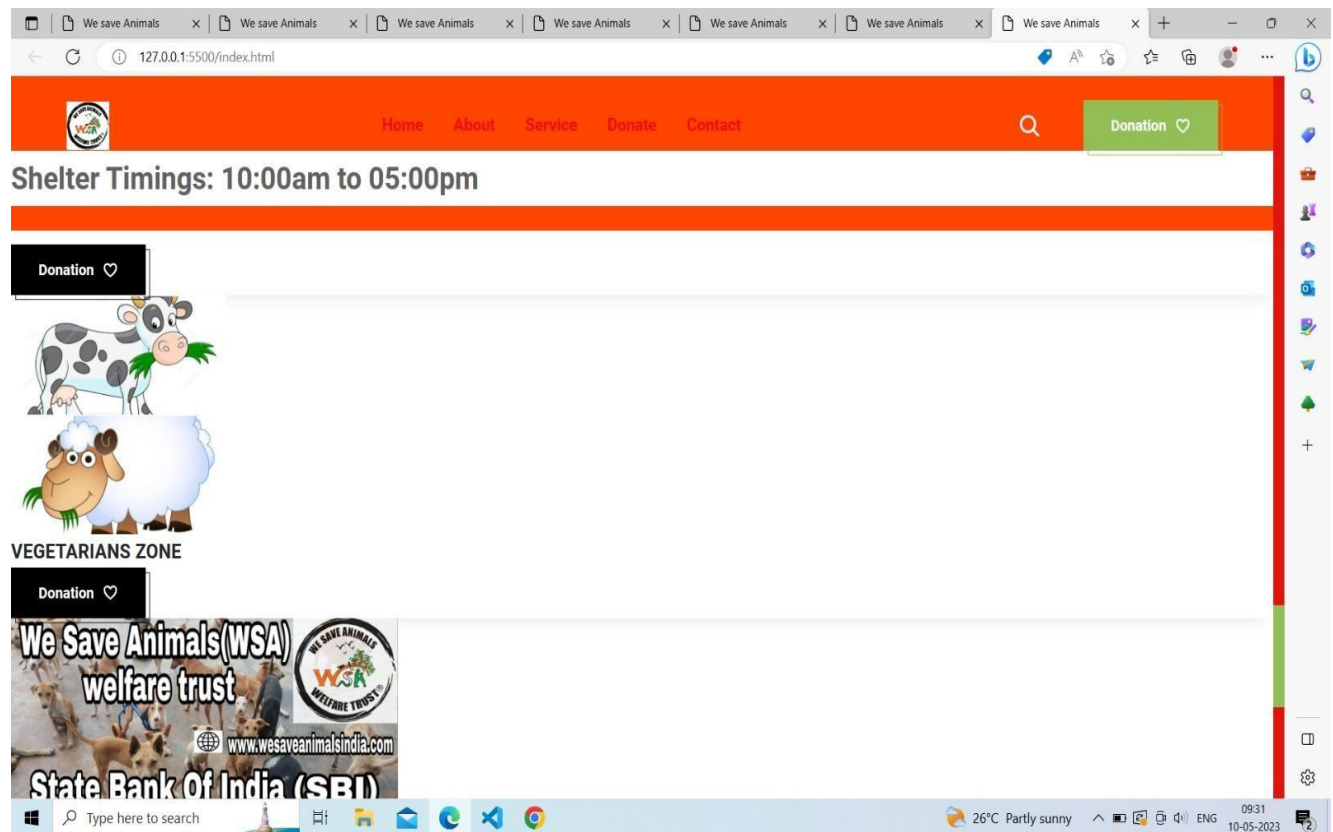
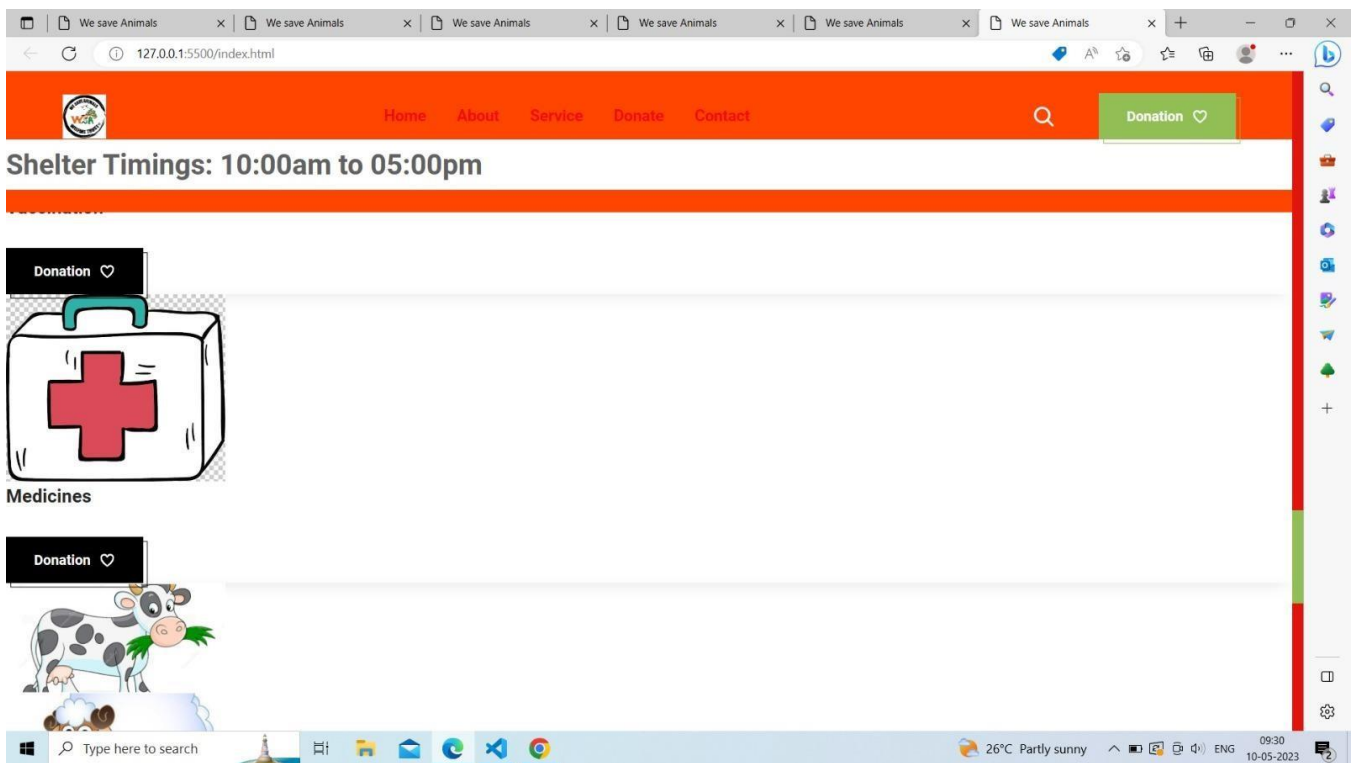



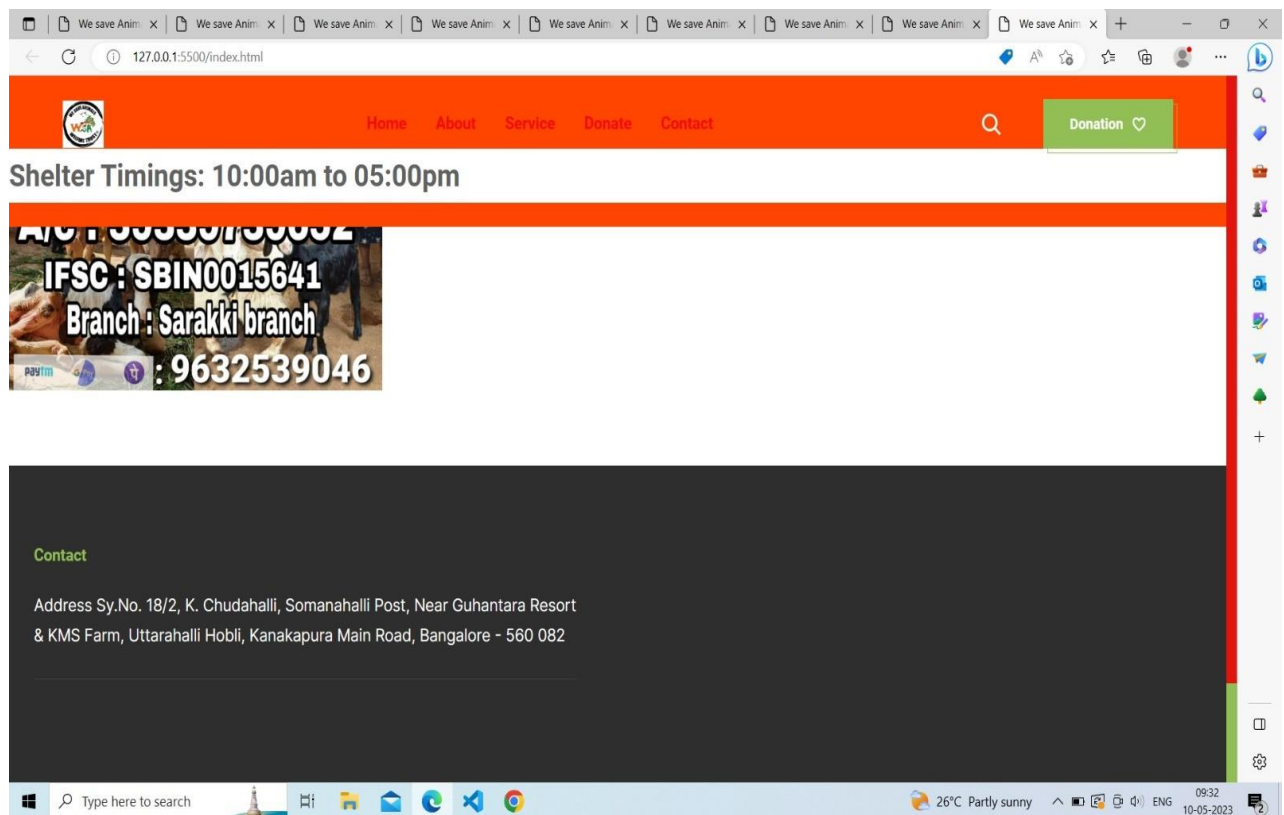
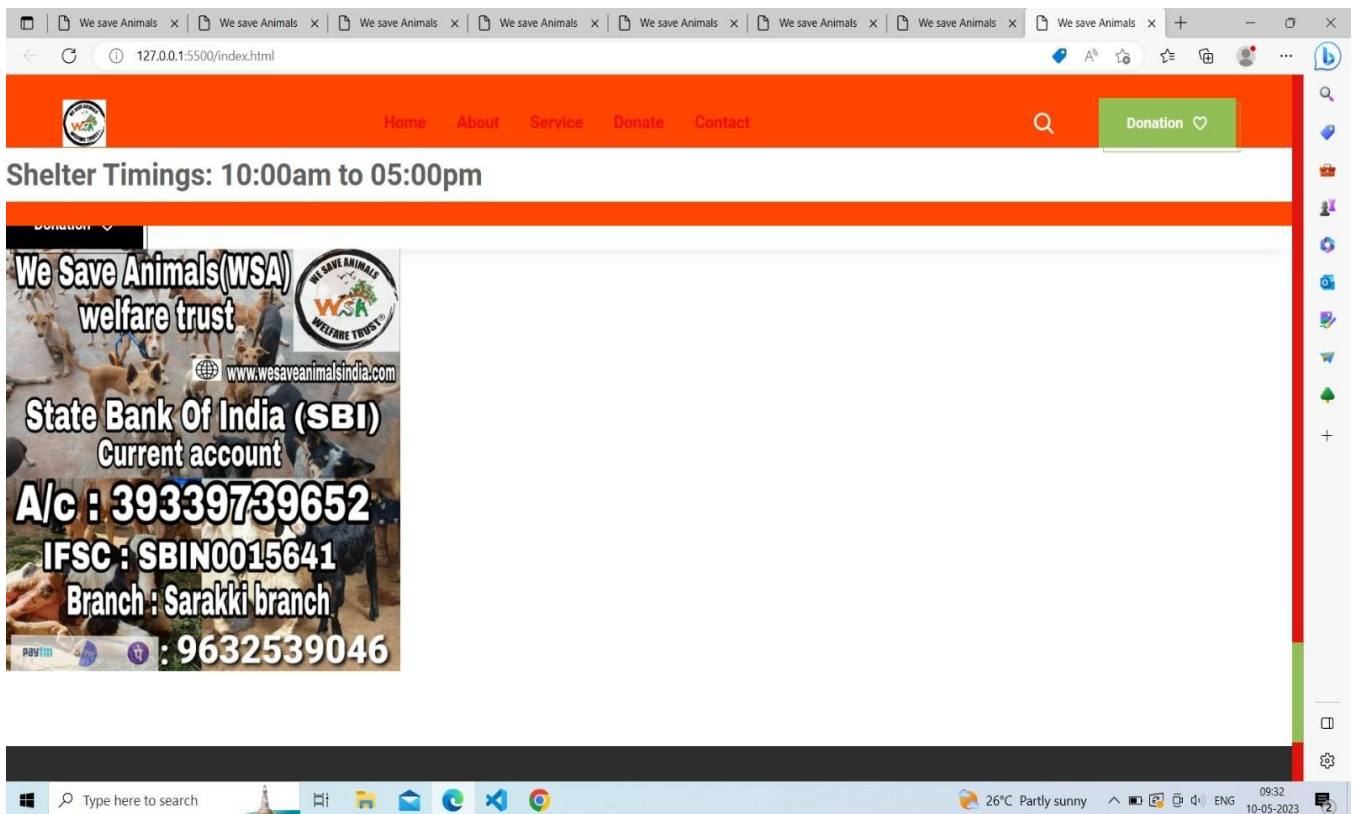
wonder what he could do to help numerous animals like this, that suffer in silence. So he started by rescuing injured animals, and keeping them at home. Soon, as the number of rescues increased, he started looking for temporary shelters to house them

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CHAPTER 9

CONCLUSION

9. CONCLUSION

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. REFERENCE

- <https://awbptrust.org/awareness/ngos-in-india-working-for-animal-welfare-and-rights>
- http://www.awbi.in/roles_functions.html
- <https://cupabangalore.org/organization/>
- <https://vspca.org/illegal-animal-sacrifice-in-india/>
- <https://friendicoes.org/andaman-nicobar-islands-spay-neuter-program/>
- <https://www.sheldrickwildlifetrust.org/about/mission-history>
- <https://www.peta.org/about-peta/>
- <https://www.indiatimes.com/entertainment/celebs/animal-rescuers-life-in-india-meet-modern-mowgli-anoushka-mehta-run-by-a-23-yearold-517423.html>