

PROFESSIONAL TRAINING REPORT

at

Sathyabama Institute of Science and Technology

(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award of

Bachelor of Engineering Degree in

Electrical and Electronics Engineering

By

KEERTHANA M S(39140023)



DEPARTMENT OF ELECTRICAL AND ELECTRONICS

SCHOOL OF ELECTRICAL AND ELECTRONICS

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

JEPPIAAR NAGAR, RAJIV GANDHI SALAI,

CHENNAI – 600119.TAMILNADU.

BONAFIDE CERTIFICATE



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

Ref: SHD/2021/07/30/R2

30 July 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. KEERTHANA M S**, Register Number **39140023** is a Bonafide student of our Institution pursuing **BACHELOR OF ENGINEERING** in **ELECTRICAL AND ELECTRONICS ENGINEERING** during the academic year **2021-2022**. She will be completing the course in the year **2023**.

This certificate is issued for the purpose of applying **INTERNSHIP/ INPLANT TRAINING**.

DEAN (STUDENT AFFAIRS)

Dr. G. SUNDARI, M.E., Ph.D.,
DEAN (STUDENT AFFAIRS)

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Jepiaar Nagar, Rajiv Gandhi Salai
Chennai - 600 119.

INTERNSHIP COMPLETION CERTIFICATE

Exposys
Data Labs



Certificate of Internship

TO WHOM IT MAY CONCERN

This is to certify that **Ms. KEERTHANA M S** has completed internship programme on “ **Web Developer** ” from 09.07.2021 to 08.08.2021

She took keen interest in the work assigned and successfully completed it. During the period of internship we found her to be punctual, hardworking and inquisitive.

We wish her luck and success in all her future endeavours.

Y Vishnuvardhan

Chief Director



hr@exposysdata.com
www.exposysdata.com



ACKNOWLEDGEMENT

The satisfaction and elation that accompany the successful completion of any task would be incomplete without the mention of the people who have made it possible. It is our great privilege to express our gratitude and respect to all those who have guided me during the course of my Professional Training.

First and foremost, we would express our sincere gratitude to our beloved Founder Chancellor Col. Dr. JEPPIAAR, M.A., B.L., Ph.D., I extend my sincere thanks to our Chancellor Dr. Mariazeena Johnson, B.E., M.B.A., M.Phil., Ph.D., and the President Dr. Marie Johnson, B.E., M.B.A., M.Phil., Ph.D., for providing me the necessary facilities for the completion of the professional training. I also acknowledge our Vice Chancellor Dr. S. SundarManoharan Ph.D., and the Pro Vice Chancellor Dr. T. Sasipraba, M.E., Ph.D., for their constant support and endorsement.

I would like to express our gratitude to our Registrar Dr. S. S. Rau, Ph.D. and Controller of Examinations Dr. IgniSabastiPrabu M.E., Ph.D., for their valuable support offered to complete my professional training successfully.

I like to express our gratitude to Dr. SIVA CHIDAMBARANATHAN M.E. Ph.D .Head of the Department of electrical and electronic engineering, Sathyabama Institute of Science and Technology for having been a constant source of support and encouragement for the completion of the professional training.

I would also like to express our sincere thanks to our internal guide who guided me in the preparation of the report.

Also, I thank the Almighty and my Parents for supporting me in the completion of the professional

EXPOSYS DATA LABS

Exposys Data Labs Aims To Solve Real World Business Problems Like Automation, Big Data And Data Science. Our Core Team Of Experts In Various Technologies Help Businesses To Identify Issues, Opportunities And Prototype Solutions Using Trending Technologies Like AI, ML, Deep Learning And Data Science. We Follow A Human-Focussed And Not Technology Driven Approach To Achieve Success In Our Clients Endeavours.

“Our discoveries are beyond belief and if you’re with us, you’ll discover a newer way to think!”

Our Mission

To Tap and train best brainpower to give solutions for real challenges of the world

WHY EXPOSYS DATA LABS ?

Exposys Data Labs aims to Solve real world business problems like Automation, Big Data and data Science. our core team of experts in various technologies help businesses to identify issues, opportunities and prototype solutions using trending technologies like AI, ML, Deep Learning and Data Science.

WEB DEVELOPMENT

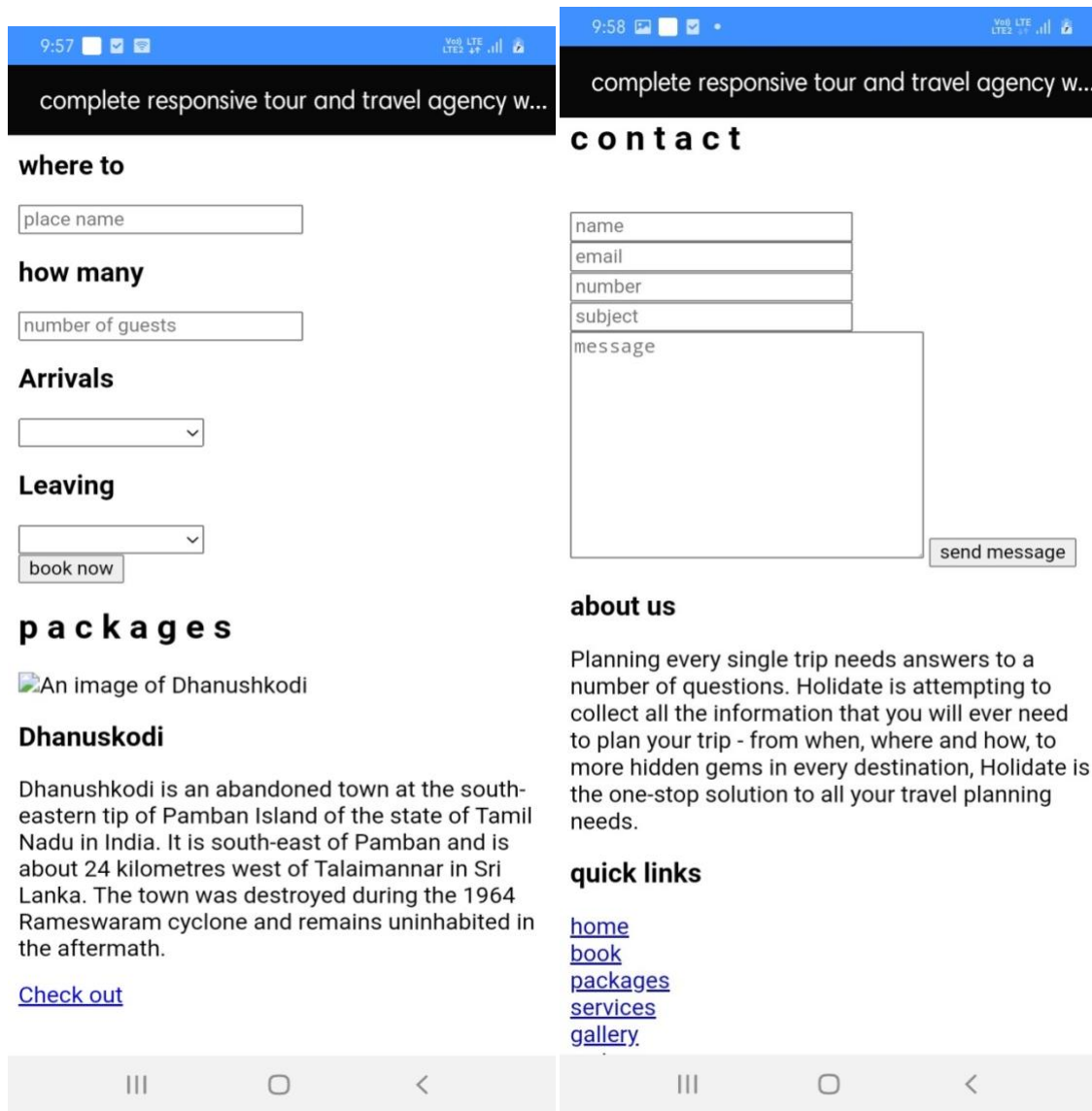
The rise of the **internet** within mainstream culture is largely correlated with its history as a visual medium. Like many other computer systems and applications, it took a graphic interface to get the general population to start to understand the internet's potential.

The **personal computer** would not have proliferated throughout our households and work environments without the **display monitor**, and still did not become widely used until electronic **spreadsheets**, **word processors** and video games started attracting users. Similarly, users did not start buying into the **World Wide Web** until the visual-oriented **web browser** started coming into its own in the early 1990s. And since that time, even though there have been dramatic improvements in web technology and aesthetics, some of the earliest **web design** techniques have persevered throughout the years.

As hardware improvements cultivated broader networks and greater bandwidth, **web development** responded by enabling designers with an array of **multimedia** to incorporate into the growing and diversifying art of web presentation.

Cascading grade sheets afforded web design with new ways to organize and display content. **Flash** video forged a new and entirely unique style of web art and animation, and **video streaming** changed the way that people consume motion picture for good. Yet still, with all of these revolutions and progressions in web development – the basic interface and structure of the web page has maintained its integrity and balance of form and function.

MULTIPAGE RESPONSIVE WEBSITE



A multi-page website contains multiple pages and subpages within a menu. Unlike the single page website, the only way to navigate to and view pages in multi-page design is to click on the links within the menu.

The multi-page design is well-suited to nearly every type of project. Examples of multi-page web design can be found in eCommerce sites (such as [Amazon](#)), dashboards (such as [Atlassian](#)) and eLearning sites (such as [Lynda](#)).

The pros of multipage website design

There are three main advantages of the multi-page over the single page website.

Firstly, multi-page design offers unlimited scalability. Create as many pages as you like and expand the navigation system as needed. For instance, swap your top navigation bar for a [custom mega menu](#) with a [search bar](#) for endless navigation possibilities. Remember, the type of navigation design you opt for will depend on the depth of your website goes, the more a traditional navigation will struggle.

Secondly, the navigation flow of a multi-page site is easy to follow. This type of website has [been around since the 90s](#), which means that most users are familiar with it, and often expect to find multiple pages on sites. As long as your website's navigation flow is easy to follow, you're smooth sailing with a multi-page design.

Finally, sites with several pages have powerful SEO capabilities. We've established that multi-page sites are more likely to have larger amounts of content than those with a single page. And although the SEO potential of each website heavily relies on your digital marketing strategy, just having the content potential to optimize your SEO is a great start

The cons of multi-page website design

Multi-page websites seem to have worked for us up until now, but there are a few disadvantages to take into account.

For instance, consider how you'll manage regular updates to your site. Don't forget that all that content needs to be maintained by the design and content teams. When considering whether to design a one page or multi-page website, you need to think about whether having lots of content is cost-effective.

As [Undsgn says](#): "updating and maintaining a single page is easier than taking care of several – you can't argue with math!" And remember [that low-quality or under-optimized content](#) is just plain bad for business.

Another thing to take into consideration is your site's bounce rate. Websites with heavy amounts of content are often slow-loading, distracting, and can cause users to bounce– according to [Search Engine Journal](#). And although not every multi-page website is content-heavy, with all that room to scale, it's something to look out for.

Finally, multi-page design is harder to adapt to mobile. Unlike single page sites, where the [same backend code can be used to develop the mobile site](#), multi-page designs need to be started from scratch to produce the mobile version. Not only is this more costly and time-consuming, but you risk losing design consistency across web and mobile platforms.

Single page vs multi-page website design – what's the best solution?

We hope our post has shed some light on the differences between single and multi-page design. To sum up: single page design is great when you've got narrow focus or you're encouraging users to perform a specific task. It's also ideal for mobile-first design. On the other hand, multi-page design allows you to widen your reach potential, stick to traditional navigation systems and optimize your SEO strategy.

When determining whether to design a single or multi-page website, there is no rule of thumb. The most important thing to do is to put your content first. Consider the information you need to get to your users and how to make that information as accessible to users as possible.

PROJECT NAME :

HOLIDATE – A travel website.

TASK GIVEN :

DEVELOP A MULTIPAGE RESPONSIVE WEBSITE

ABSTRACTION

This is a small scale project about tourism. The main purpose of this project is to explore various places to visit. This project enables the user to know about the tourist places and if interested, the user can book a trip to visit the place they wish for. After viewing the website, user can share their thought and experience with us. In case, if the user faces any issue with our website, the user can contact us via mail.

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PROBLEM OBJECTIVE

EXISTING METHOD

- **PROPOSED METHOD WITH ARCHITECTURE**
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- **CONCLUSION**

INTRODUCTION:

The aim of this project is to create a travel website, developed using HTML, CSS and JAVASCRIPT.

PROBLEM STATEMENT:

To build a multi-responsive website.

PROBLEM OBJECTIVE:

The purpose of the document is to define the requirements of travel website.

EXISTING METHOD:

- **Time consuming**
- **Refundable**

PROPOSED METHOD WITH ARCHITECTURE:

The purpose of travel website is to save time through online booking. This project helps customer to choose a large number of places via our website. In this website, the user can also view about the details of the tourist places.

METHODOLOGY :

- **PROBLEM STATEMENT**
- **CONCEPTUAL MODEL**
- **DERIVED REQUIREMENTS**
- **DETAILED ANALYSIS**
- **DETAILED DESIGN**
- **DEVELOPMENT**

IMPLEMENTATION:

Implementation is the process of putting a decision or plan into effect according to the design.

RESOURCES USED:

- **Google fonts**
- **Visual studio code**

SOME OF PICTURE OF THE WEBSITE DEVELOPED:

LANGUAGES USED :

- HTML
- CSS
- JAVASCRIPT

FEATURES :

- HOME
- BOOK
- PACKAGES
- SERVICES
- GALLERY
- REVIEW
- CONTACT

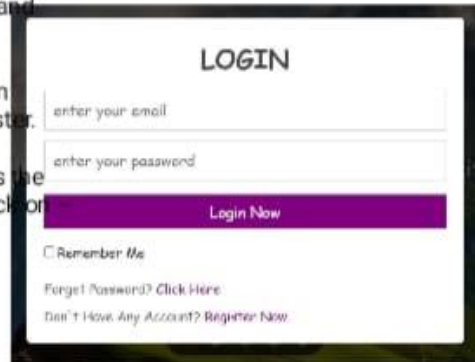
HOLIDATE

[Home](#) [Book](#) [Packages](#) [Services](#) [Gallery](#) [Review](#) [Contact](#)



LOGIN PAGE :

- Login by entering mail id and password
- If the user doesn't have an account, he/she can register.
- In case, if the user forgets the password, he/she can click on 'Forget Password'



A login form titled "LOGIN" with a white background and a black border. It features two input fields: "enter your email" and "enter your password". Below these is a purple button labeled "Login Now". At the bottom, there is a checkbox labeled "Remember Me", a link "Forget Password? Click Here", and a link "Don't Have Any Account? Register Now".

Booking page :

In this page, the user can book a trip to any place they desire.



A booking form titled "BOOK NOW" with a white background and a black border. It features a navigation bar at the top with links: "HOLIDATE", "Home", "Book", "Packages", "Services", "Gallery", "Review", "Contact". Below the navigation bar is a search icon and a user icon. The form has four input fields: "Where To" (placeholder: "place name"), "How Many" (placeholder: "number of guests"), "Arrival" (placeholder: "mm/dd/yyyy"), and "Leaving" (placeholder: "mm/dd/yyyy"). Below these fields is a purple button labeled "Book Now". To the left of the form is a small image of a globe with a city skyline and a sun.

Packages :

- In this page, the user can see a lot of beautiful places to visit.
- Also, the location is mentioned in our website as additional information of the tourist palces.



Services :

- Our website also provides extra services as shown in the image



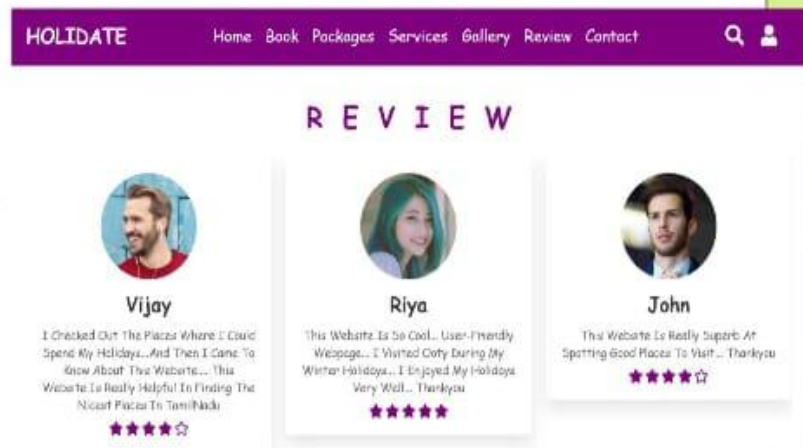
Gallery :

- In this page, more and more beautiful tourist places are added.



Review :

- Reviews about our website are shown here.



Contact page :

- The user can send a message to our website.



name	email
number	subject
message	
<button>Send Message</button>	

About us page :

HOLIDATE[Home](#)[Book](#)[Packages](#)[Services](#)[Gallery](#)[Review](#)[Contact](#)

About Us

Planning Every Detail, Trip Made Awaits. To A Number Of Questions, Holidate Is Answering. To Collect All The Information That You Will Ever Need To Plan Your Trip - From When, Where And How, To What Hidden Gems In Every Destination. Holidate Is The One-Stop Solution To All Your Travel Planning Needs.

Quick Links

- [Home](#)
- [Book](#)
- [Packages](#)
- [Services](#)
- [Gallery](#)
- [Review](#)
- [Contact](#)

Follow Us

- [Facebook](#)
- [Instagram](#)
- [Twitter](#)
- [LinkedIn](#)

Script.js

```
let searchBtn = document.querySelector('#search-btn');
```

```

let searchBar = document.querySelector('.search-bar-container');
let formBtn = document.querySelector('#login-btn');
let loginForm = document.querySelector('.login-form-container');
let formClose = document.querySelector('#form-close');
let menu = document.querySelector('#menu-bar');
let navbar = document.querySelector('.navbar');
let videoBtn = document.querySelectorAll('.vid-btn');

window.onscroll = () =>{
    searchBtn.classList.remove('fa-times');
    searchBar.classList.remove('active');
    menu.classList.remove('fa-times');
    navbar.classList.remove('active');
    loginForm.classList.remove('active');
}

menu.addEventListener('click', () =>{
    menu.classList.toggle('fa-times');
    navbar.classList.toggle('active');
});

searchBtn.addEventListener('click', () =>{
    searchBtn.classList.toggle('fa-times');
    searchBar.classList.toggle('active');
});

formBtn.addEventListener('click', () =>{
    loginForm.classList.add('active');
});

formClose.addEventListener('click', () =>{
    loginForm.classList.remove('active');
});

videoBtn.forEach(btn =>{
    btn.addEventListener('click', ()=>{
        document.querySelector('.controls .active').classList.remove('active');
        btn.classList.add('active');
        let src = btn.getAttribute('data-src');
        document.querySelector('#video-slider').src = src;
    });
});

var swiper = new Swiper(".review-slider", {
    spaceBetween: 20,

```

```

        loop:true,
        autoplay: {
            delay: 2500,
            disableOnInteraction: false,
        },
        breakpoints: {
            640: {
                slidesPerView: 1,
            },
            768: {
                slidesPerView: 2,
            },
            1024: {
                slidesPerView: 3,
            },
        },
    },
));

var swiper = new Swiper(".brand-slider", {
    spaceBetween: 20,
    loop:true,
    autoplay: {
        delay: 2500,
        disableOnInteraction: false,
    },
    breakpoints: {
        450: {
            slidesPerView: 2,
        },
        768: {
            slidesPerView: 3,
        },
        991: {
            slidesPerView: 4,
        },
        1200: {
            slidesPerView: 5,
        },
    },
});

```

CONCLUSION:

The purpose of this multi-page responsive website is to satisfy the user's needs and to fulfil their desire of tourism.