A MAJOR PROJECT/ OJT ON "E-COMMERCE WEBSITE"

AT
NALBARI COMMERCE COLLEGE
B.VOC (IT) under GAUHATI UNIVERSITY

SUBMITTED BY: RUHUL AMIN

Roll No: UA-211-200-0036

Reg. No: 21069045

B.VOC (RMIT/IT)

6th Semester

ACADEMIC GUIDE

Dr. Devajit Mahanta

Asstt. Professor & HoD

Department of B.VOC (IT)

निन्देम दैवतां वाचम्

Nalbari Commerce College

Japarkuchi, P.O- Chowk Bazar - 781334, Nalbari (Assam)

ACKNOWLEDGEMENT

The successful completion of this project mark the beginning of an ever – going learning experience of converting ideas and concepts into real life, practical system. This project was a quite a learning experience for me at each and every step. At the same time it has given me confidence to work in professional setup. I feel the experience gained during the project will lead me to gain the bright prospect in the future. First of all I would like to give thanks to **Dr. Devajit Mahanta, Asstt. Professor & H.O.D of Department of B.VOC (IT), Nalbari Commerce College** for giving me the opportunity to work in this esteemed organization, which not only has increasedour awareness about latest fields but also taught me the importance of team building. With the deep sense of gratitude, I express my sincere thanks to the other working staff teachers of B.Voc Department for taking keep interest in my project and giving valuable suggestions and helping me directly or indirectly to complete this project.

Certificate of Guidance

Certified that **RUHUL AMIN**, Student of B.VOC (CBCS) **6th** Semester of **Information Technology** and Roll No- **UA-211-200-0031** & Registration No- **21069045** has prepared this "**E-Commerce Website**" under my guidance during the session 2023-24.

I wish him success in life.

Dept. of B.Voc (IT)

Dr. Devajit Mahanta
Asstt. Professor & HoD
Nalbari Commerce College
Nalbari, Assam

Abstract

This project report presents the development of a dynamic and responsive website using HTML, CSS, and JavaScript without the incorporation of backend technologies. The project aims to create a user-friendly and visually appealing web interface catering to youth. The website, designed with a focus on mobile devices, leverages modern web technologies to deliver an interactive and seamless user experience.

The report details the project's overarching goals and objectives, the chosen technologies, and the architectural decisions made during development. It explores the design and layout considerations, emphasizing the responsiveness achieved through take advantage of 'Mobile Devices' native hardware.

Implementation specifics, including HTML structure, CSS styling, and JavaScript functionality, are thoroughly explained, providing insights into the development process. The interactive elements of the website are examined in the context of user interface design and overall user experience.

Throughout the development, various challenges were encountered, and this report discusses the strategies employed to overcome these challenges. The testing phase is documented, highlighting the methodologies used, test results, and the resolution of identified issues. Performance optimization techniques and security measures implemented to ensure a robust web application are also detailed.

The deployment section outlines the steps taken to make the website accessible to users, including hosting platforms and configurations. User documentation provides clear instructions for navigating and interacting with the website.

Table of Contents

5: Design and Layout

5.1: Wireframes or Design Mockups

5.2: Explanation of Design Decisions

5.3: Responsive Design Considerations

5.4: Accessibility Considerations

6: Implementation

6.1: Detailed Description of HTML Structure

6.2: CSS Styling Details

6.3: JavaScript Code Structure and Key Functions

7: Interactivity

7.1: Overview of Interactive Elements

7.2: Event Handling and JavaScript Functions

7.3: User Interface Considerations

7.4: Future Enchancements for Interactivity

8: Testing

8.1: Testing Methodologies

8.2: Results of Testing

9: Techniques Used to Optimize Performance

9.1: Page Load Times and Responsiveness

10: User Communication

11: Tools

11.1: Visual Studio Code

12: Conclusion

12.1: Achievements
12.2: Key Learnings
12.3: Future Developmemts
12.4: Acknownledgements
12.5: Closing Thoughts

13: Screenshots