****

SYNOPSIS

**ON**

**E-Commerce Website**

***Submitted By: Submitted To***:

**Suraj Omar** - B – 2115001019 **Mr. Suman Kumar Das**

Technical Trainer

**Ayush Dubey** - B - 2115000253

**E-Commerce Website**

**Objective**

The objective of this project is to design and develop a user-friendly e-commerce website that caters to both customers and sellers. The website aims to provide a seamless and secure platform for buying and selling products online, enhancing the overall shopping experience.

**Scope**

This project will encompass the creation of a responsive website with features such as user registration, product browsing, shopping cart management, secure payment processing, order tracking, and a seller dashboard for product management. It will not include advanced features such as recommendation systems or social media integration.

**Methodology**

The project will utilize HTML, CSS, and JavaScript for front-end development. Back-end development will be carried out using a suitable server-side language (e.g., Node.js or Django). Database management will be implemented using MySQL. Git version control will be employed for tracking changes, and the website will be hosted on a reliable web hosting platform.

**Proposed System**

The proposed system is an e-commerce website that provides a secure and intuitive interface for customers to browse, select, and purchase products. Sellers will have a dedicated dashboard to manage their product listings, track orders, and update inventory.

**Features**

1. User Registration and Authentication

- Customers and sellers can create accounts with secure authentication processes.

2. Product Browsing

- Users can browse products by category, apply filters, and view detailed product descriptions.

3. Shopping Cart Management

- Customers can add products to their cart, update quantities, and proceed to checkout.

4. Seller Dashboard

- Sellers have a dedicated space to manage product listings, update inventory, and monitor sales. conditions.

**Implementation Plan**

1. UI Design and Layout – (3 days)

2. Front-end Development – HTML, CSS, JavaScript – (5 days)

3. Back-end Development – Server-side language, Database – (7 days)

4. Integration and Testing – (4 days)

5. Deployment – (2 days)

**Team Members:**

1. Suraj Omar -2115001019
2. Ayush Dubey -2115000253

**Resources Required**

Text editor (e.g., Visual Studio Code)

Server-side language and framework (e.g., Node.js)

Database management system (e.g., MongoDB)

Git for version control

**References**

Online tutorials and documentation for HTML, CSS, JavaScript, Node.js, MongoDB.

**Expected Outcomes**

By the end of the project, we aim to deliver a fully functional e-commerce website that provides a secure and user-friendly experience for both customers and sellers

**Project Supervisor**

**Mr. Suman Kumar Das**, a faculty member experienced in machine learning, web development, and various fields, will supervise the project, providing guidance and expertise.

**Conclusion**

The E-Commerce Website project seeks to bridge the gap between customers and sellers by creating a seamless online platform. With a focus on simplicity and security, we aim to deliver a reliable e-commerce solution that enhances the overall online shopping experience.