
CAPSTONE PROJECT

PROJECT TITLE

Presented By:

1. Student Name-College Name-Department

OUTLINE

- Υ **Problem Statement** (Should not include solution)
- Υ **System Development Approach** (Technology Used)
- Υ **Algorithm & Deployment (Step by Step Procedure)**
- Υ **Result**
- Υ **Conclusion**
- Υ **Future Scope(Optional)**
- Υ **References**

PROBLEM STATEMENT

- Small businesses lack an easy-to-use online platform to display their products.
- Existing e-commerce solutions are often too complex and expensive.
- There is a need for a **lightweight, visually appealing, and easy-to-manage product gallery**.
- Must allow **customers to browse, filter, and view details** of products interactively.

SYSTEM APPROACH

- **Frontend Technologies:**
- **HTML5** – Structure of the webpage
- **CSS3** – Styling and responsive layouts
- **JavaScript** – Dynamic interactivity (cart, filtering, total calculation)
- **Design Approach:**
- Clean and user-friendly interface
- Mobile-responsive design
- Modular separation of HTML, CSS, and JS files

ALGORITHM & DEPLOYMENT

- **Product Catalog Creation**
- Define product categories and details (image, price, description).
- **Frontend Design**
- Layout using HTML and CSS (grid & cards).
- **Interactive Features**
- Add-to-Cart, Remove-from-Cart functions in JavaScript.
- Real-time total price calculation.
- Product filtering by category.
- Modal views for product details.
- **Testing**
- Cross-browser compatibility
- Mobile responsiveness
- **Deployment**
- Host using GitHub Pages / Netlify for free and easy access.

RESULT

Y **Attach screen snaps of the code and output min 5**

GITHUB AND DEPLOYMNET LINK

Y **Attach your Github Link : coding files**

Y **Deployment link:**

CONCLUSION

- Provides a **cost-effective online presence** for small businesses.
- Eliminates dependency on complex e-commerce platforms.
- Offers an **engaging and interactive customer experience**.

FUTURE SCOPE(OPTIONAL)

- Add backend integration (Node.js) for order management.
- Secure **payment gateway integration**.
- Admin dashboard for inventory updates.
- AI-based product recommendations.

REFERENCES

- Y **List and cite relevant sources, research papers, and articles that were instrumental in developing the proposed solution.**
- Y [NanthiniMoha/TNSDC-FWD-DIGITAL_PORTFOLIO](#)
- Y [Get started with Bootstrap · Bootstrap v5.3](#)

THANK YOU