ShopSmart: Your Digital Grocery Store Experience

Team Details

- **Team ID**: LTVIP2025TMID59031

- **College Name**: Seshadri Rao Gudlavalleru Engineering College

Team Members

S.No	Name	Role	Roll Number
1	Bodapati Himavarshini	Team Leader	23481A1231
2	Boddu Deepika	Member	23481A1232
3	Bolla Rushwanth	Member	23481A1233
4	Chekka Rochan	Member	23481A4219

Project Title

ShopSmart: Your Digital Grocery Store Experience

Abstract

The goal of this project is to develop a full-stack grocery shopping website that allows users to browse and purchase daily groceries online with ease. The site features a product catalog, shopping cart functionality, and a responsive design for a smooth user experience.

Technologies Used
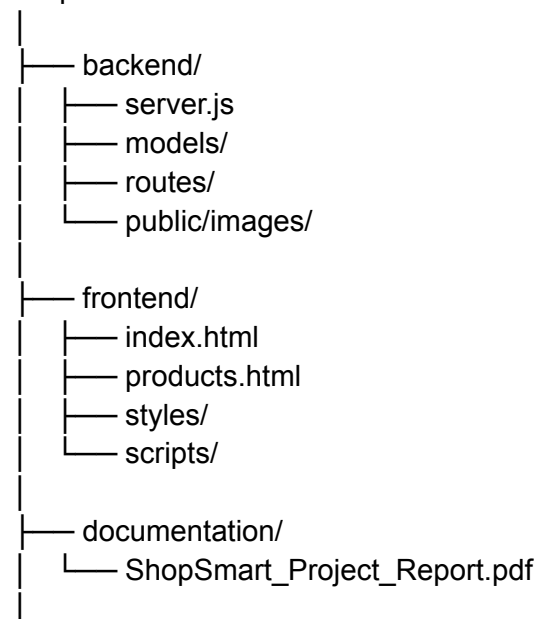
- **Frontend**: HTML, CSS, JavaScript, Bootstrap

- **Backend**: Node.js, Express.js

- **Database**: MongoDB

- **Version Control**: GitHub

- **Project Management**: Kanban Board

Features

- User-friendly home page with grocery banners

- Product listing with image, price, and description

- Add to cart functionality

- Responsive layout for mobile and desktop

- Backend API integration to fetch product data

- Admin can update product list via backend

Folder Structure

```
shopsmart1/
│
├── backend/
│   ├── server.js
│   ├── models/
│   ├── routes/
│   └── public/images/
│
├── frontend/
│   ├── index.html
│   ├── products.html
│   ├── styles/
│   └── scripts/
│
├── documentation/
│   └── ShopSmart_Project_Report.pdf
│
```

└── README.md

Backend API Example

Endpoint to fetch all products:

GET http://localhost:3000/api/products

Conclusion

This project helped us understand the complete lifecycle of a web application from frontend design to backend API integration. We learned real-world development skills and worked collaboratively as a team.