PROJECT SYNOPSIS

Project Title:
Organic Dry Fruits E-Commerce Website using MERN Stack & Git Version Control

Introduction
The Organic Dry Fruits E-Commerce Website is a full-stack web application developed using the MERN stack (MongoDB, Express.js, React.js, Node.js). The platform allows users to browse products, add items to cart, manage delivery addresses, place orders using Cash on Delivery or Razorpay, and leave reviews. Git was used as a version control system to track changes and manage the project efficiently.

Objectives
• Build a scalable e-commerce platform for organic dry fruits
• Implement authentication, product management, cart, and payment system
• Use Git commands in real-world project development
• Maintain proper version control and rollback capability

Technologies Used
Frontend: React.js, HTML, CSS, JavaScript
Backend: Node.js, Express.js
Database: MongoDB Atlas
Version Control: Git & GitHub
Payment Gateway: Razorpay

Git Commands Used
git init – Initialize repository
git status – Check project state
git add – Stage files
git commit – Save versions
git branch – Manage branches
git branch -M main – Rename branch
git remote add – Connect GitHub
git push – Upload code
git pull – Fetch updates
git log – View commit history
git stash – Save unfinished work
git checkout – Restore previous versions

Advantages of Git
• Prevents code loss
• Maintains history of changes
• Enables rollback and debugging
• Improves project organization

Conclusion
This project demonstrates the use of Git version control in a MERN stack e-commerce application. It provided hands-on experience in full-stack development and professional software version management.