

COLLEGE CODE: 9530

COLLEGE NAME: ST.Mother Theresa Engineering College

NM-ID ROLL NO:7E218C3BFA487AFB48C4D7838988A650

DATE: 29/09/2025

Completed the project named phase 4

PROJECT NAME: PRODUCT CATALOG WITH FILTERS

SUBMITTED BY,

NAME: R.Nithish kumar

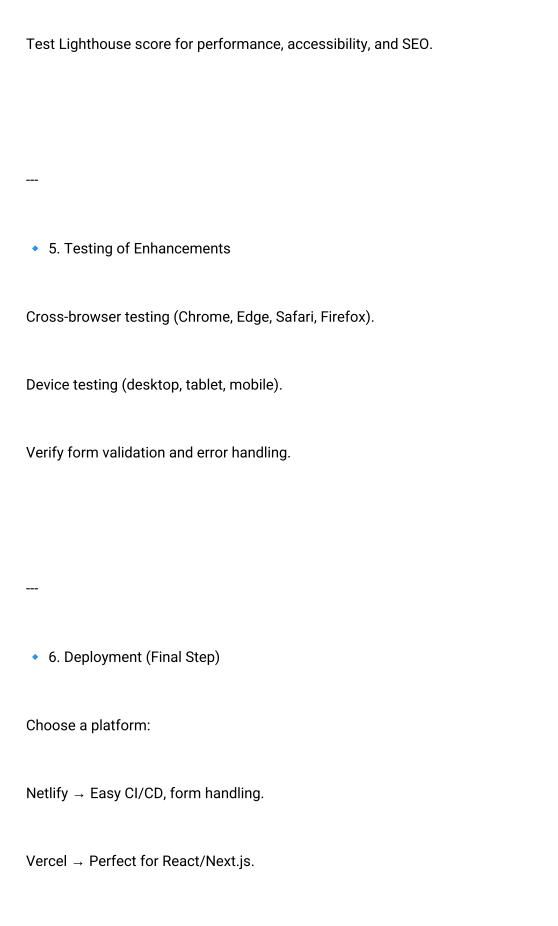
MOBILE NO: 8015958116

Phase 4 – Enhancements & Deployment (Week 9)
• 1. Additional Features
Add animations (Framer Motion, AOS).
Add a dark/light mode toggle.
Add a search bar for projects or products.
Add responsive navbar (hamburger menu for mobile).

2. UI/UX Improvements
Apply IBM Carbon Design System or Tailwind custom theme for consistency.
Improve spacing, typography, and colors.
Make the layout mobile-first responsive.
Add hover effects and smooth transitions.

3. API Enhancements
For Portfolio Website → Integrate a contact form with EmailJS / Formspree.
For Product Catalog → Replace static JSON with API or backend data.
Add sorting/filtering improvements (multi-filters).

4. Performance & Security Checks
Optimize images (WebP/Next-Gen formats).
Minify CSS/JS, use lazy loading for images.
Secure API calls (if backend is used).



GitHub Pages → Simple static hosting.

IBM Cloud (optional if you want IBM ecosystem).

Configure custom domain (optional).

Share live project link in resume/LinkedIn.