

# **SYNOPSIS**

## **Report on Shoppers Style**

AI-powered e-commerce website

by

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**Session:2024-2025 (IV Semester)**

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(FEB - 2025)

## **ABSTRACT**

This project is about building an online shopping platform using the MERN stack (MongoDB, Express.js, React.js, Node.js) with AI features to improve the shopping experience. It will include all the basic e-commerce functions like user login, browsing products, managing shopping carts, checkout, and tracking orders. These features will allow users to shop easily and securely.

Along with these basic features, the platform will also have smart AI tools. The AI will automatically generate product descriptions, suggest products based on what users like, and provide chatbots to help customers answer questions. Users can also search for products by uploading images and prices will change based on demand and market trends.

The frontend will be built with React.js, which will provide a seamless and interactive experience, while the backend will use Node.js and Express.js to manage server-side functions. AI features will be added using serverless technologies for better scalability. This project shows how AI can improve online shopping by making it smarter, more personalized, and easier to use.

**Keywords:** E-commerce, MERN stack, AI, Machine learning, OpenAI, MongoDB, React.js, Node.js.