

WALMART GLOBAL TECH HACKATHON

Prototype Submission



TEAM NO. 29

1. Janhavi Dawkore (Final year -ENTC) Roll no-3822.
2. Shrawani More (Final year -ENTC) Roll no-3204
3. Gouri Pawde (Final year -ENTC) Roll no-3848

■ Theme Chosen

Cloud- based Inventory Management

Cloud-based inventory management is essential for businesses as it provides real-time access to inventory data from anywhere, enhances collaboration among teams, improves scalability to accommodate business growth effectively. It ensures data security, and seamless updates, streamlining inventory processes and optimizing overall business operations.

■ Alignment with Chosen Theme

The project aligns perfectly with the chosen theme of cloud-based inventory management by utilizing React, Express, Node.js, and MongoDB Atlas. The cloud-based architecture ensures real-time synchronization of inventory data across different devices and locations. Users can access the dashboard from any web-enabled device, promoting flexibility and accessibility. The cloud-based approach ensures secure, scalable, and reliable data storage, reducing the need for on-premise infrastructure.

■ List of components used

Tech -Stack - MERN

Front-end - React

Back-end - Express.js and Node.js

Database - MongoDB

Cloud-Service -

APIs

We have created and used our own APIs

Libraries

Back-end: cors |express|mongoose|nodemon

Front-end: materialUI|React-router-dom|chart.js|tailwind css|apexcharts

Brief Biographies of team members

Janhavi Dawkore (Roll No. 3822)

A meticulous and an organized Individual , currently final year electronics and telecommunication,Btech student.Skilled at ,data structures and algorithms, programming i nJava,C and Python and MERN.Developed projects in Machine Learning and Deep learning in applications like image detection,object detection.Has a deep understanding of core subjects like VLSI Digital Signal Processing,and embedded systems.

Shrawani More (Roll No 3204)

Shrawani is currently in fourth year Electronics and telecommunication student. She aspires to be a software developer who is skilled in Data structures and crafting user interfaces that are not only visually appealing but also intuitive. With a passion for learning new technologies, she's always exploring the latest web development trends.

Gouri Pawde (Roll No. 3848)

Gouri is a fourth year electronics and telecommunications student from Cummins College of Engineering. She is aspiring to be a software developer.

She is skilled in Data Structures and algorithm in java, Data science, Machine learning using python, Object oriented programming, Computer networks.

GIT-REPO link : <https://github.com/gouripawde/Team-29-Walmart.git>