COLLEGE CODE:8203

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DEPARTMENT:B.E-CSE

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ROLL NO:23CS108

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Completed the project named as

Phase_ TECHNOLOGY PROJECT

NAME:ADMIN DASHBOARD WITH CHARTS

SUBMITTED BY,

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Problem Statement:

- Businesses lack real-time visibility of key performance metrics. An admin dashboard will centralize data and provide interactive visualizations for decision-making.

Users & Stakeholders:

- Admin -Full access to metrics and user management.
- Manager - Limited access (sales, revenue, performance).
- Staff/User - Personal data & basic statistics.
- Business Owner / Stakeholders - Monitor growth, KPIs.

User Stories:

- As an Admin, I want to see user growth trends in a line chart.
- As a Manager, I want to track monthly sales in a bar chart.
- As a User, I want to see my own activity stats.

MVP Features:

- Authentication & role-based access.
- API to fetch metrics (users, sales, views).
- Frontend dashboard with 3 types of charts (line, bar, pie).
- Auto-update charts with latest API data.
- Simple UI with navigation between metrics.

Wireframes:

- Dashboard homepage -Summary cards + charts.
- Chart views -Sales, users, views.
- Login screen with role-based access.

API Endpoints:

- GET /API/users/stats -Returns user growth data.

- GET /API/sales/stats -Returns monthly sales data.
- GET /API/views/stats - Returns page view data
- POST /API/auth/login - User login.

Acceptance Criteria:

- Dashboard displays at least 3 dynamic charts (line, bar, pie).
- Charts update automatically when data changes.
- API endpoints return correct JSON data.
- Role-based access ensures restricted data visibility.
- MVP is deployable and accessible via browser.