Practical Tasks

Dynamic Admission Analytics Dashboard

Objective:

Create a responsive **Admission Analytics Dashboard** for the University's admin portal to display application metrics visually using charts, tables, and status cards.

Requirements:

1. Create a dashboard layout using a custom University theme (cards, charts).
2. Display these metrics:
   a. Total Applicants
   b. Verified Applicants
   c. Rejected Applicants
   d. Application per Program (bar chart)
   e. Application Trends (line chart by date)
3. Use dummy/mock API (**/api/v1/analytics/admissions**)
4. Add a date filter (from–to) to filter the trend chart.
5. Responsive layout with fallback UI for no data.
6. Add a refresh button to re-fetch the data.
7. Highlight counts > 500 in **orange**, > 1000 in **red**.

Tools:

- React + MUI or Tailwind
- Charting: **recharts** or **chart.js**
- Axios for API
- **useEffect**, **useState**, **useMemo** for data handling

Deliverables:

- **AdmissionDashboard.jsx**
- Responsive design (desktop/tablet/mobile)
- **api/analytics.js** (mock fetch)

Timeline: 8 Hours(1 Day)