Social Media Dashboard
Project Planning & Management

📅 **Date:** 21 March 2025

👥 **Team Members [Team 6]:**

- Abdelrahman
- Mostafa Ehab
- Ola Samir

🏫 **Course:** DEPI – React frontend development

📌 **Instructor:** Hisham Mohamed

🎯 **Project Objective:** Develop a social media analytics dashboard using **React, and API integration** to provide real-time insights.

1. Project Proposal

Overview

The **Social Media Analytics Dashboard** is a **React-based** web application that provides insights into social media performance. It integrates **real-time API data** from social media platforms, offering key **engagement metrics, trends, and analytics** for users.

Objectives

- Develop a **responsive, user-friendly** dashboard.

- Integrate APIs to fetch **real-time analytics data**.

- Optimize **performance** and **error handling**.

- Deploy the application on **Netlify/Vercel**.

Scope

- **In-Scope**: User authentication, API integration, filtering, sorting, charts, reports.

- **Out of Scope**: Advanced AI-based analytics, fully automated scheduling.

2. Project Plan

Gantt Chart Breakdown

Task	Week 1	Week 2	Week 3	Week 4
Project Setup & Planning	🟩			
Wireframing & UI Design	🟩			
API Selection & Documentation	🟩			
Frontend Development (Layout & Components)		🟩		
State Management (Context Implementation)		🟩		
API Integration & Data Fetching			🟩	
Charts & Data Visualization			🟩	
UI Enhancements & Responsiveness			🟩	

Performance Optimization				🟩
Final Testing & Debugging				🟩
Deployment (Netlify/Vercel)				🟩
Documentation & Final Report				🟩

🟩 = Task Progress

3. Task Assignment & Roles

Role Assignments

Role	Member Responsibilities
Ola Samir	Works on UI components, layout, and responsiveness.
Abdelrahman	Handles API integration, state management and charts.
Mostafa Ehab	Manages API setup (if needed), error handling, performance optimization, and deployment.

5. Key Performance Indicators (KPIs)

Success Metrics for the Dashboard:

- **Performance:** API response time **< 500ms**, smooth UI.

- **System Uptime:** 99%+ availability.

- **User Engagement:** Dashboard interaction rate.

- **Data Accuracy:** Correct & real-time analytics fetched from APIs.

- **Responsiveness:** Fully functional on **mobile, tablet, and desktop**.