Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	08 May 2023
Team ID	NM2023TMID11499
Project Name	Dissecting the Digital Landscape : A Comprehensive Analysis of Social Media

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Data Collection	Collect social media posts from Twitter API Collect user profiles from Facebook API
FR-2	Data Processing	Clean and preprocess collected data
FR-3	Data Analysis	Perform topic modeling on social media data
FR-4	Visualization	Create interactive dashboards for data visualization
FR-5	Search and Filtering	Allow filtering of data by date, location, or user
FR-6	Security	Implement user authentication and access controls

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should ensure data confidentiality and integrity, implementing encryption and access controls.
NFR-2	Security	The system should be able to handle increasing data volumes and user activity, with the ability to scale horizontally or vertically.
NFR-3	Reliability	The system should have a user-friendly interface, with intuitive navigation and clear instructions for user interactions.
NFR-4	Performance	The system should process and analyze data efficiently, providing timely and responsive results to users.
NFR-5	Availability	The system should be reliable and robust, minimizing downtime and ensuring continuous availability.
NFR-6	Scalability	The system should be able to integrate with other systems or APIs for data exchange or to extend its functionality.