

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

Date	19 May 2023
Team ID	PBL-NT-GP-10545-1682762806
Project Name	Disecting the digital landscape: A Comprehensive analysis of social mediaS

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	Compliance with platform Terms of Service
FR-2	Data Preprocessing	Text Cleaning Language Processing Spell Checking and Correction
FR-3	Network Analysis	User Network Extraction Network Visualization
FR-4	Trend Analysis	Trend Detection Geographic Analysis
FR-5	Real-time Monitoring	Real-time Keyword Tracking Mention and notifications System
FR-6	Data Privacy and Security	Access Control and User Authentication Secure Data Transfer

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	To support multiple language and provide customization options to meet the specific needs of users
NFR-2	Security	The analysis system should ensure the security &privacy of the social media data.
NFR-3	Reliability	To handle failures,such as backup and recovery procedures.
NFR-4	Performance	To process a large volume of social media data in real- time.
NFR-5	Availability	Analysis system to be accesssible &operational for users
NFR-6	Scalability	To handle increasing amounts of social media data as the user base grows