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

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Team ID	NM2023TMID21570
Project Name	Empowering the Future: A literacy Rate Analysis for a Better Tomorrow

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement	Sub Requirement (Story / Sub-Task)
FR-1	Data Input	The system accepts literacy rate data as input.
FR-2	Data Processing	It processes the input data to calculate literacy rates.
FR-3	Data Visualization	It provides visual representations of the literacy rates through charts or graphs.
FR-4	Statistical Analysis	It performs statistical analysis on the literacy rate data, such as mean, median, and standard deviation.
FR-5	User Authentication and Authorization	It supports user authentication and access control to ensure data security.
FR-6	Reporting	It generates reports summarizing the literacy rate analysis results.
FR-7	Scalability	It allows for the system to handle increasing amounts of data and users.
FR-9	Maintenance and Support	It includes a maintenance and support plan for the system's

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	It is designed to be user-friendly and intuitive for users with varying levels of technical expertise.
NFR-2	Security	It adheres to strict privacy and security protocols to protect the confidentiality of sensitive literacy data.
NFR-3	Reliability	The system operates consistently without failure or downtime, and it can recover quickly from unexpected issues.
NFR-4	Performance	The system can efficiently process a large volume of literacy data with minimal delays and errors.
NFR-5	Quality	It provides accurate and reliable results for literacy rate analysis, minimizing false positives and negatives.
NFR-6	Scalability	The system can scale up or down to handle varying volumes of literacy data as needed.
NFR-7	Maintainability	It is easy to maintain, update, and upgrade the system to ensure ongoing functionality and accuracy.
NFR-8	Compatibility	The system is compatible with various hardware and software platforms, enabling integration with different tools.