

# Project Design Phase-II

## Solution Requirements (Functional & Non-functional)

Date	21Oct2023
Team ID	NM2023TMID03075
Project Name	Transparent Education Data Management

### Functional Requirements:

FR1	Data Visualization and Reporting	Provide dashboards and reporting tools for users to create and view visual representations of data.
FR2	Data Analytics:	Help educators and administrators make data-driven decisions to improve education quality.
FR3	Data Transparency:	Ensure data is easily understandable, with clear labels and explanations.
FR4	Data Security and Backup:	Regularly back up data to prevent loss due to system failures or disasters.
FR5	Scalability	Ensure the system can handle the growth of data and users over time.

FR6	Interoperability	Use industry standards to facilitate data exchange.
FR7	Customization and Configurability:	Provide configuration options to adapt to different educational settings.

## Non-functional Requirements:

NFR1	Performance	The system should provide responsive and quick access to data, ensuring minimal latency, even during peak usage times. Scalability: It should be able to scale horizontally and vertically to
NFR2	Scalability	should be able to scale horizontally and vertically to accommodate increased data volumes and user loads.
NFR3	Reliability	The system should

		be highly reliable, with minimal downtime and data availability at all times.
NFR4	Availability	Ensure the system is available 24/7, with redundancy and failover mechanisms in place
NFR5	Data Integrity	Maintain data accuracy and consistency, preventing data corruption or loss.
NFR6	Security	Implement robust security measures to protect data from unauthorized access, including encryption, authentication, and authorization
R5DYHNFR7	Privacy	Adhere to privacy regulations