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

Date	10 October 2023
Team ID	NM2023TMID07501
Project Name	Unleashing The Potential Of Our Youth: A Student Performance Analysis

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Performance Dashboard	Integration with the student information system(real time data) Track trends and compare the performance across different classes
FR-2	Report Generation	Clear presentation of data Data accuracy Timeliness
FR-3	Parent Portal	User-friendly interface Notifications and alerts
FR-4	Student Portal	Goal-setting tools Personalized information
FR-5	Assessment and Evaluation Tool	Validity and reliability Clear grading criteria Individualized feedback

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usability plays a critical role in student performance analysis, as it impacts user adoption, data accuracy, user satisfaction, efficiency, accessibility, training requirements, collaboration, and decision-making.
NFR-2	**Security**	Data protection, confidentiality, user authentication, data backup and recovery will be done in a good manner.

NFR-3	**Reliability**	Reliability ensures that the data and information provided by the analysis are accurate, consistent, and dependable.
NFR-4	**Performance**	Performance in student performance analysis is to measure and evaluate how well a student is performing in a particular subject or skill area.
NFR-5	**Availability**	The role of availability in student performance analysis is to ensure that the necessary data and resources are accessible and reliable. By ensuring

| | | availability, stakeholders can perform effective analysis, make informed decisions, and support student success. |
| NFR-6 | **Scalability** | Scalability in student performance analysis is to ensure that the system can handle increasing amounts of data and users without sacrificing performance or reliability. |