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

Date	13 May 2023
Team ID	NM2023TMID01937
Project Name	Project – Audit AI: A Machine Learning for Detecting Fraud in Audit Data
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email
FR-3	Fraud Detection by machine learning algorithms	System can detect unusual patterns and anomalies in financial and operational data System can continuously learn from historical data to improve accuracy System can generate alerts for auditors System can provide detailed reports
FR-4	user-friendly interface for auditors	Auditors can easily view audit data Auditors can filter and search for relevant data and activities Auditors can customize alerts and reports
FR-5	web-based interface for auditors	System is deployed on IBM Cloud platform to ensure scalability, availability, and security System can integrate with other systems, such as accounting and financial systems, for seamless data exchange
FR-6	Performance System can quickly and accurately	System can provide real-time alerts and reports to auditors without delay or latency System can handle high volumes of audit data without sacrificing performance or accuracy

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User-friendly interface with clear instructions and intuitive navigation.
NFR-2	**Security**	Ensure data confidentiality, authorization, encryption, regular audits, and vulnerability assessments.
NFR-3	**Reliability**	Consistent and error-free operation, quick recovery from errors, and avoidance of single points of failure.
NFR-4	**Performance**	Timely analysis of large data volumes, fast response times, and ability to handle high loads without sacrificing performance.
NFR-5	**Availability**	Minimal downtime or maintenance, avoidance of scheduled maintenance, and disaster recovery plan in place.
NFR-6	**Scalability**	Designed to handle growth in data volume and user numbers, ability to scale up or down as needed, and handle peak loads without additional resources.