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

Team ID	PNT2022TMID01104
Project Name	Corporate Employee Attrition Analysis
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	All users of this software will find it simple to use and require few procedures. All graphical user interface (GUI) languages must be user-friendly and understandable to non-technical users in 100% of cases.
NFR-2	**Security**	The system's data administrator is the only person who has the ability to modify the access rights for a certain system's information. High security standards must be in place for the user's data.

NFR-3	**Reliability**	Any failed changes must cause the database update procedure to roll back any linked updates. The only person who can change the dataset is the user. No one else will be allowed to do so.

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 Confirmation via OTP
FR-3	User Authentication	Using the details in the database, verify the user's attempted login.
FR-4	Retention Analysis	Analysis of employee attrition based on sentiment, the workplace, daily involvement, etc.
FR-5	Employee management	Verification and administration of the registered employee information.
FR-6	Progress management	Each employee's advancement inside the organisation is added.
FR-7	Input Credentials	After uploading dataset, graphical analysis of the attrition rate will be generated.
FR-8	Processing Methods	IBM Cognos Analytics Dashboard is used to find the attrition rate using prediction method.

Non-functional Requirements:

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

NFR-4	**Performance**	The system's efficiency must support the system's excellence.
NFR-5	**Availability**	The deployment of a new module shouldn't affect the accessibility of the home page, dashboard, or checkout pages, and it shouldn't take more than an hour. The rest of the pages that might encounter issues must present a notice with a countdown indicating when the system will be back up.
NFR-6	**Scalability**	The website's attendance cap must be expandable to accommodate 200,000 users at once. When the employee dataset from the companies is used for analysis, the dashboard is scalable for the businesses.The model effectively foretells the futuristic approach and suggests protective measures.