

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

Corporate Employee Attrition Analysis- PNT2022TMID03456

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	Utilizing a Form for Registration
FR-2	User Confirmation	Email confirmation
FR-3	User Authentication	verify the user's attempt to log in using the database
FR-4	Retention analysis	Analysis of employee attrition based on sentiment, the workplace, daily contributions, etc.
FR-5	Employee management	maintaining and verifying the information about enrolled employees.
FR-6	Progress management	Add the progress of each employee to the company.
FR-7	Predict button	All of the codes required to anticipate our results are contained in the predict route, which is used for prediction. First, the launch function includes the following items: • collecting and storing our input.
		<ul style="list-style-type: none">• Choose the attributes required for prediction• Model creation• predicting our outcomes• Use the dashboard to display the findings.• Finally run the application.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	All users should find it simple to use and require few instructions when using this software. The graphical user interface's (GUI) languages must all be user-friendly and simple enough for non-technical users to understand.
NFR-2	Security	The system user should be given the assurance that their account information is secure. In order to prevent cross-site request forgery, the system will offer security.

NFR-3	Reliability	In all circumstances, the software must be usable. Less error-prone design must be used in the system.
NFR-4	Performance	The system's efficiency must support the system's excellence.
NFR-5	Extensibility	The software must be extendable to accommodate new features and upgrades in the future.
NFR-6	Portability	The software must run on every operating system. As a result, this software shouldn't be dependent on various operating systems.
NFR-7	Scalability	An increase in workload must be supported by the system without performance degradation.