

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

Corporate Employee Attrition Analysis- PNT2022TMID03757

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	By Utilizing a Form for the Registration
FR-2	User Confirmation	Confirmation by Email
FR-3	User Authentication	verify the user's attempt to log in using their database
FR-4	Retention analysis	Analysis of employee attrition based on sentiment, the work location, daily contributions, etc.
FR-5	Employee management	maintaining and verifying the databases about enrolled employees.
FR-6	Progress management	Adding the progress of each and every 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 of the record. First, the launch function includes the following items: collecting and storing our input from the database.
		<ul style="list-style-type: none">• Choose the attributes required for prediction• Model creation based on progress• predicting our result as outcome• Use the dashboard to display the findings of the progress• 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 be able to use it in simple and require few instructions when using this software. The graphical user interface (GUI) languages must all be user- friendly for all and it should also be simple enough for non-technical users to understand.
NFR-2	Security	The system user should be given the assurance that their account information is secured. In order to prevent cross-site request forgery, the system will offer security .Better security should be made

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