

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

Date	15 October 2022
Team ID	PNT2022TMID32181
Project Name	Project - Corporate Employee Attrition Analytics
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
FR-2	User Confirmation	Confirmation via Email
FR-3	User Authentication	Authenticate the user's attempt to login using the database
FR-4	Retention analysis	Employee attrition analysis by sentiment, work environment, daily contribution etc.
FR-5	Employee management	Validating and managing the registered employee details.
FR-6	Progress management	Add the progress of each employee to the company.
FR-7	Attrition Analytics	<p>The predict route is used for prediction and it contains all the codes which are used for predicting our results. Firstly, inside launch function we are having the following things:</p> <ul style="list-style-type: none">➤ Getting our input and storing it .➤ Select the necessary attributes for the prediction.➤ Creating model.➤ Predicting our results .➤ Results with the help of dashboard.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This software shall be easy to use for all users with minimal instructions. 100% of the languages on the graphical user interface (GUI) shall be intuitive and understandable by non-technical users.
NFR-2	Security	The user of the system should be provided the surety that their account details are secure. The system will provide security against cross site request forgery.

NFR-3	Reliability	The software shall be operable in all conditions. The system must be less prone to errors.
NFR-4	Performance	The performance of the system must assist the system's quality.
NFR-5	Extensibility	The software shall be extensible to support future developments and add-ons.
NFR-6	Portability	The software shall be 100% portable to all operating platforms. Therefore, this software should not depend on the different operating systems.
NFR-7	Scalability	Our solution is scalable for large and small dataset. It provides efficient solution despite the size of dataset. The system must be able to handle an increase in workload without performance degradation.