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

Corporate Employee Attrition Analysis

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	Predict button	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: • Getting our input and storing it . • Select the necessary attributes for the prediction. • Creating model. • Predicting our results . • Showcase the results with the help of dashboard. • 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**	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**	The system must be able to handle an increase in workload without performance degradation.