Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	21 October 2022
Team ID	PNT2022TMID05500
Project Name	Corporate Employee Attrition Analysis
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 Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Account Creation	Create an account in the Profile Dashboard
FR-4	Input Credentials	Uploading your dataset Analyzing the attrition rate using dashboard
FR-5	Processing Methods	Using IBM Cognos Analytics Dashboard Using Prediction algorithm to find attrition rate
FR-6	Output Credentials	Using the Dashboard and Algorithm they know about the employee attrition and way to reduce the employee attrition

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The user can be able to interact with the system user friendly. The system is build with a simple modules and algorithms.
NFR-2	**Security**	Access permissions for the particular system information may only be changed by the system's data administrator. The user's data must be having an high security measures.
NFR-3	**Reliability**	The database update process must roll back all related updates when any update fails. The dataset will not be modified by anyone only the user can be able to modify the dataset.
NFR-4	**Performance**	The performance of the dashboard is flexibleto every user' s. The front-page load time must be no more than 2 seconds for users that access the website using an LTE mobile connection.
NFR-5	**Availability**	New module deployment mustn' t impact front page, dashboard and check out pages availability and mustn't take longer than one hour. The rest of the pages that may experience problems must display a notification with a timer showing when the system is going to be up again.
NFR-6	**Scalability**	The website attendance limit must be scalable enough to support 200,000 users at a time. The dashboard is scalable for the companies when their employee's dataset is used for analysis. The model can successfully predict the futuristic approach and suggests preventive measures.