

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

Date	03 October 2022
Team ID	PNT2022TMID53278
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	Registering into IBM via Gmail or LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Account creation for IBM Cognos.	Create an account for Cognos Analytics for Students through Gmail or LinkedIn.
FR-4	Analyse Dataset in IBM Cognos	Upload dataset, prepare it, explore it and create the final dashboard.
FR-5	Data Analyse using Python	Using algorithms and known ml models to analyse given dataset
FR-6	Final deliverable	Reach conclusions from dashboard and python data analysis code.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	HR should find it easy to see the dashboard and trends obtained from the data analysed using python.
NFR-2	<b>Security</b>	Permission to access should only be provided to admin and HR of company.
NFR-3	<b>Reliability</b>	Updates should be made to dataset according to change in employee's status like getting promoted ,relocating etc. Dataset should not be modifiable by anyone else without access control.
NFR-4	<b>Performance</b>	Dashboard should reflect changes of dataset.
NFR-5	<b>Availability</b>	Adding new functionality shouldn't affect old ones. Analysed data in the form of dashboard and trends should constantly be available.
NFR-6	<b>Scalability</b>	Dataset should accommodate large number of employees' data and model to predict trends should give realistic solutions.

