Project Design Phase-II
Technology Stack (Architecture & Stack)

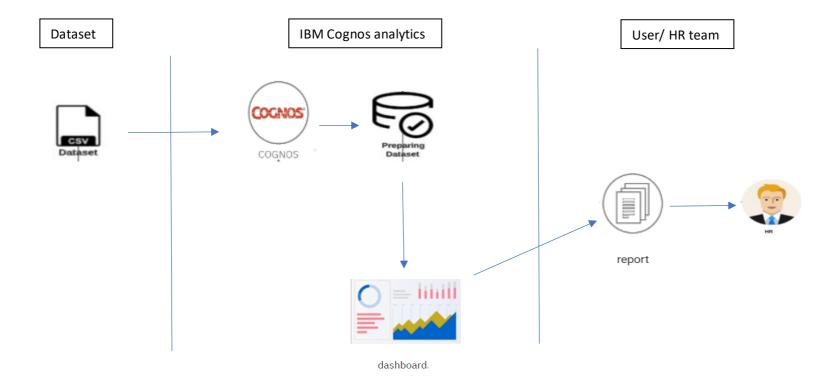| Date	03 October 2022
Team ID	PNT2022TMID14579
Project Name	Project – Corporate Employee Attrition Analysis
Maximum Marks	4 Marks

Technical Architecture:

dashboard.

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	User interacts with the IBM cloud and analytics tool	IBM cloud
2.	Application Logic	To find the factors causing attrition in corporate companies	Python
3.	Database	Online surveys, dataset of employees of company and employee feedback	HR analytics case study dataset from kaggle
4.	Cloud Database	Used to store the dataset	IBM cloud
5.	Visualization	Creating visual charts for deriving insights and to develop a dashboard to the user	IBM Cognos Analytics
6.	File storage	System storage	IBM block storage or system storage
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: IBM Cognos analytics	IBM Cognos analytics

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	These open source frameworks allows us to visualize and derive insights from the dataset.	IBM Cognos Analytics, Google colab
2.	Availability	Derived insights and visualization will be available in the Cognos platform.	IBM Cognos
3.	Performance	Handles huge size dataset	IBM Cognos