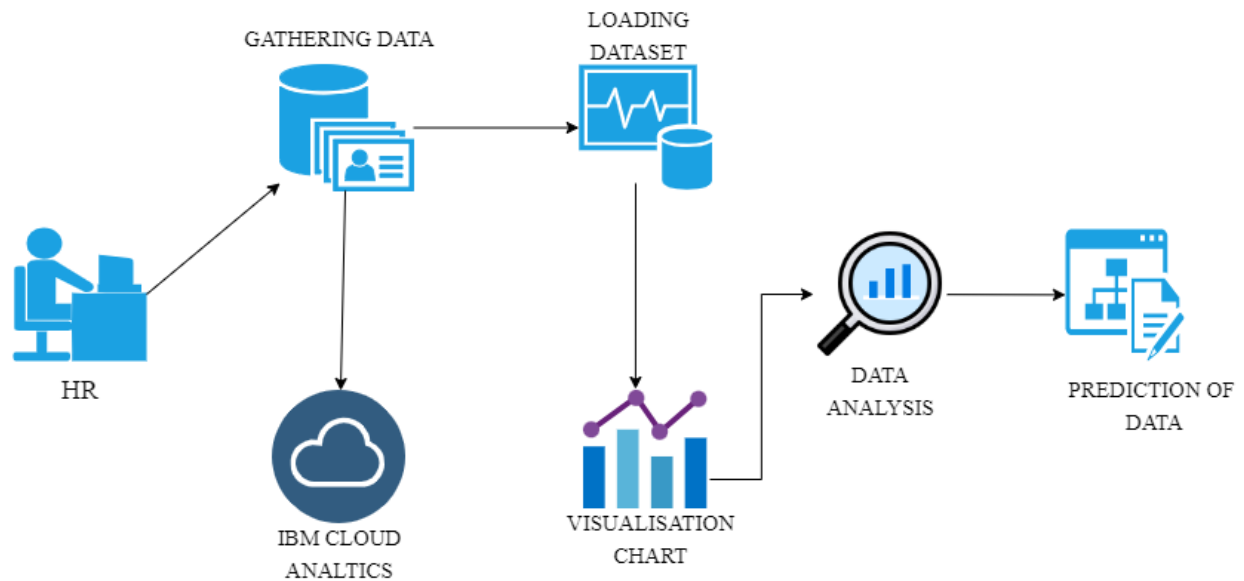


Project Design Phase-II Technology Stack (Architecture & Stack)

Team ID	PNT2022TMID03798
Project Name	CORPORATE EMPLOYEE ATTRITION ANALYTICS
Maximum Marks	4 Marks

Technical Architecture Diagram :



TECHNICAL ARCHITECTURE

Table 1: Components and Technologies

S.NO	COMPONENT	DESCRIPTION	TECHNOLOGY
1.	User Interface	User will interact through the data analytics platform.	Visualization, Python
2.	Application Logic-1	Collecting the required dataset and formatting the dataset	Excel
3.	Application Logic-2	Analyzing the datasets using different techniques of visualization	IBM Cognos

4.	Application Logic-3	Training and testing the datasets	Python
5.	Cloud Database	Storing and retrieving huge amount of data	IBM Cognos
6.	File Storage	Internal memory	Local Filesystem or IBM Block Storage
7.	Infrastructure(Server/Cloud)	Application deployment on Local System or Cloud Server Configuration : IBM Cognos	Local System, IBM Cognos

Table 2: Application Characteristics

S.NO	CHARACTERISTICS	DESCRIPTION	TECHNOLOGY
1.	Open-Source Frameworks	Open-source framework provides us to do visualization and train our datasets easily	IBM Cognos, Google Colab
2.	Availability	The analytics performed will be available at the cognos platform	IBM Cognos
3.	Performance	It can process huge number of data at a time	Python with its libraries numpy,pandas