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

Date	19 October 2022
Team ID	PNT2022TMID39896
Project Name	Project – Global Sales Data Analytics
Maximum Marks	4 Marks

Technical Architecture:

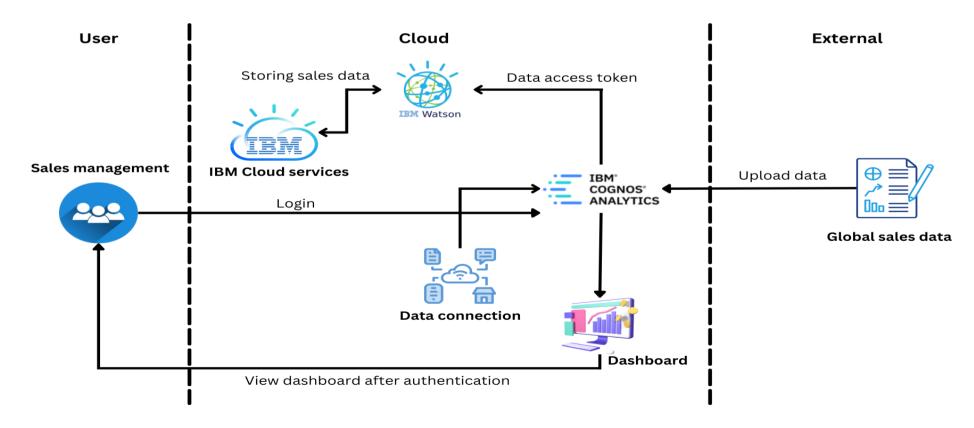The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	user interacts with application or web	IBM Cognos analytics
2.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloud
3.	Data exploration	Information in the data is identified according to the requirements	IBM Cognos analytics
4.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem .
5.	Data visualization	Various data are represented in charts, graphs according to need of the customers.	IBM Cognos analytics
6.	Working with the dataset	Cleaning, extracting process is done with the dataset.	IBM Cognos analytics with Watson

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	IBM Cognos Analytics tools like dashboard, report are used. Python packages like numpy,pandas, matplotlib and seaborn are used.	IBM Cognos Analytics with Watson, IBM Cloud, Python

S.No	Characteristics	Description	Technology
2.	Scalable Architecture	Small dataset to large dataset are used.	BM Cognos Analytics with Watson, IBM Cloud, Python
3.	Availability	The dashboard creation will be done at any time. Users can view and analyze data all the time.	IBM Cognos Analytics with Watson
4.	Performance	This application provides high performance by producing analyzed data quickly.	IBM Cognos Analytics with Watson

References:

https://c4model.com/

https://developer.ibm.com/patterns/online-order-processing-system-during-pandemic/

https://www.ibm.com/cloud/architecture

https://aws.amazon.com/architecture

https://medium.com/the-internal-startup/how-to-draw-useful-technical-architecture-diagrams-2d20c9fda90d