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

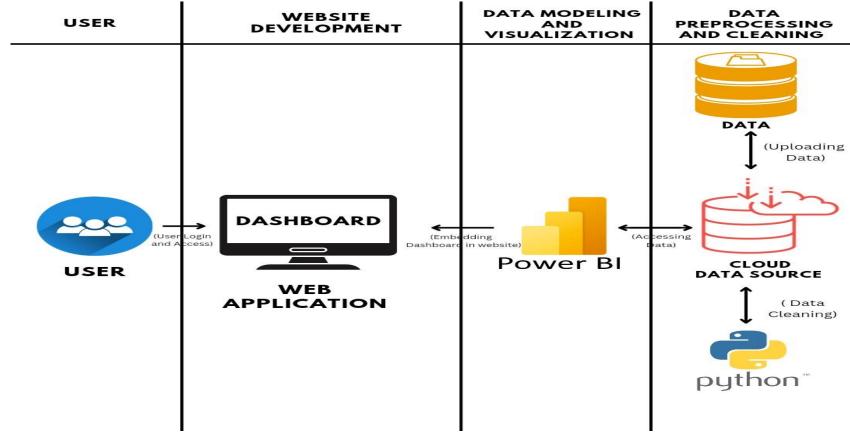| Date	03 October 2022
Team ID	PNT2022TMID40195
Project Name	Project – Global Sales Data Analytics
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Logic for a process in the website	HTML, CSS, JavaScript / Angular Js / React Js etc.
3.	Application Logic-3	Pre trained dashboard will be present that will perform data analysis on the incoming data	Power BI

S.No	Characteristics	Description	Technology
4.	Database	Data will be retrieved from the cloud	MySQL
5.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant
6.	File Storage	Sales data is uploaded, stored and access using cloud	IBM Block Storage or Other Storage Service or Local Filesystem
7.	External API-1	To perform data modelling and data visualization and create dashboard	Power BI

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	For data pre-processing and data cleaning	Google Collaboratory, Jupyter notebook
2.	Security Implementations	To protect unauthorized access	OTP verification
3.	Scalable Architecture	Supports various data sizes	Power BI
4.	Availability	Supports all compactable web browser	Any web browser
5.	Performance	Withstand huge data and process them without crashing	Power BI