

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

Date	12 October 2022
Team ID	PNT2022TMID00625
Project Name	Project - GLOBAL SALES DATA ANALYTICS
Maximum Marks	4 Marks

**Technical Architecture:**

**Technical Architecture :**



**Components & Technologies:**

S.No	Component	Description	Technology
1	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	IBM Cognos Analytics with Watson
2	Upload data	Logic for a process in the application	IBM Cognos Analytics with Watson
3	Prepare data	Logic for a process in the application	IBM Cognos Analytics with Watson
4	Exploration	Logic for a process in the application	IBM Cognos Analytics with Watson
5	Present data	Logic for a process in the application	IBM Cognos Analytics with Watson
6	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant
7	File Storage	File storage requirements	IBM CLOUD
8	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud  Local Server Configuration:  Cloud Server Configuration :	IBM CLOUD.

**Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the frameworks used	IBM COGNOS With Watson,IBM CLOUD
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	LDAP OR Active Directory
3.	Scalable Architecture	Justify the scalability of architecture	Three server tiers: Web Tier.
4.	Availability	Ability to create complex, multi-page layouts using different data sources. High performance data access across all sources. Complete connectivity regardless of environment.	WebSphere® Application Server, Cognos® Business Intelligence server
5.	Performance	Design consideration for the performance of the application.	3IBM® Cognos® Performance Management Hub (PMHub)