

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

Date	03 November 2022
Team ID	PNT2022TMID09355
Project Name	ANALYTICS FOR HOSPITALS' HEALTH-CARE DATA
Maximum Marks	4 Marks

Technical Architecture:

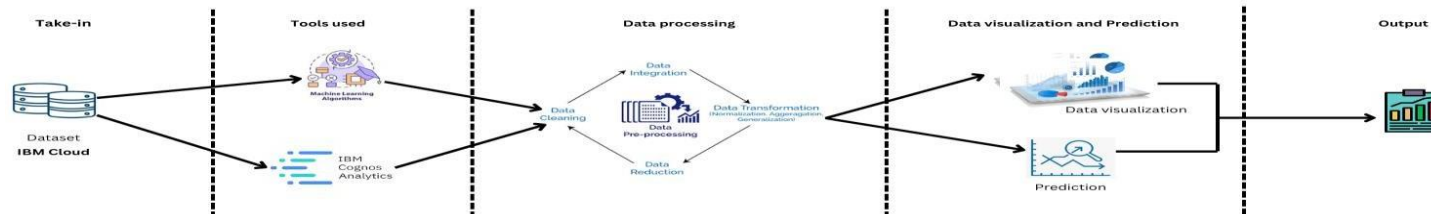


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user can access the Dashboard using web application	IBM Cognos Analytics, HTML, CSS
2.	Data Processing	The data from the dataset is pre-processed	IBM Cognos Analytics
3.	Cloud Database	Database Service on Cloud	IBM DB2
4.	Data visualization	The data is visualized into different forms	IBM Cognos Analytics
5.	External API	Extracting the dataset	Kaggle

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Open-source frameworks used	IBM Cognos Analytics
2.	Security Implementations	Request authentication using Encryptions	Encryptions
3.	Scalable Architecture	Scalability consists of 2-tiers	Dashboard – IBM Cognos Analytics Database Server – IBM Cloud
4.	Availability	The application is available for cloud users	IBM Cloud Hosting
5.	Performance	The user can view visualization of the data	IBM Cognos Analytics