

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

Date	17 October 2022
Team ID	PNT2022TMID32896
Project Name	Project – Analytics for hospitals health-care data
Maximum Marks	4 Marks

Technical Architecture:

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

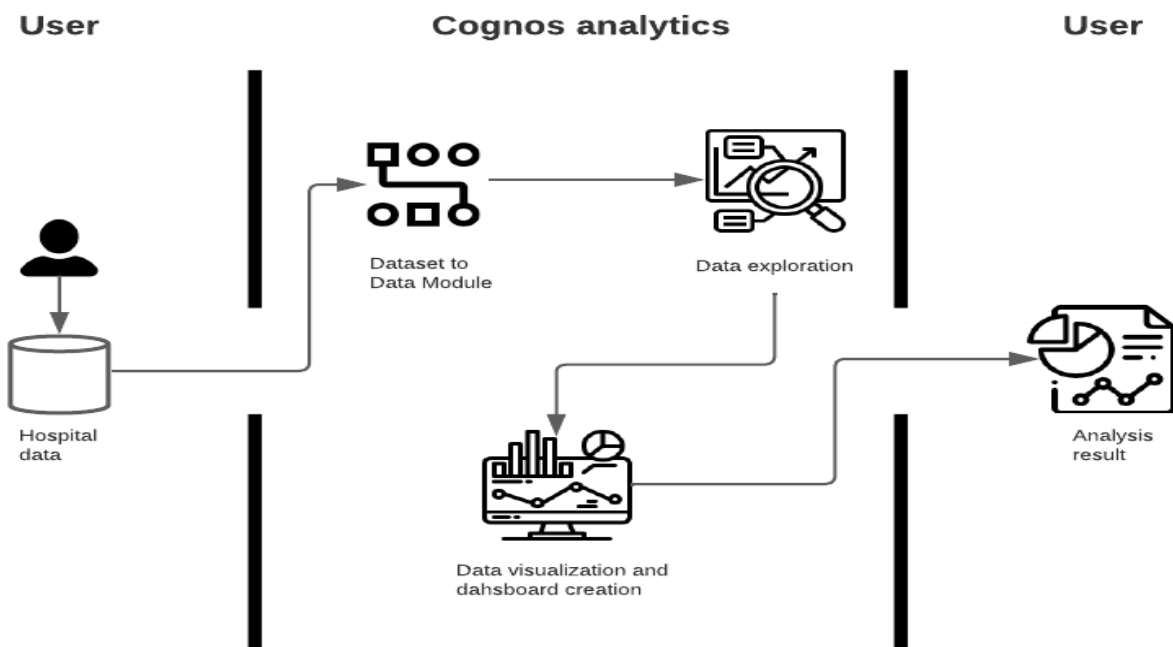


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	Application	How user interacts with application	IBM Cognos analytics
2.	Data preparation	Cleaning the data	IBM Cognos analytics
3.	Data exploration	Analysing the data	IBM Cognos analytics
4.	Data visualization	Creating dashboards and visualizations	IBM Cognos analytics
5.	Database	CSV file	MySQL, Spreadsheets
6.	Cloud Database	Database Service on Cloud	IBM Cloud
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Frameworks are used to analyse and visualize the data and creating dashboards	IBM Cognos analytics
2.	Security Implementations	Access control technology that only allows sharing the data with the preferred team members	Access technologies in Cognos analytics
3.	Scalable Architecture	A scalable architecture for analysis and dashboard creation refers to a system, network, or process that is designed to handle a workload that may change in scope.	IBM Cognos analytics
4.	Availability	The dashboard can be available to meet user's demand in timely manner and it is also helps to provide necessary insights to the user's dataset	IBM Cognos analytics
5.	Performance	The application provides fast analysis results and visualizations in seconds	IBM Cognos analytics