TECHNOLOGY ARCHITECTURE

TEAM ID	PNT2022TMID26934
PROJECT NAME	Analytics For Hospitals' Health-Care Data
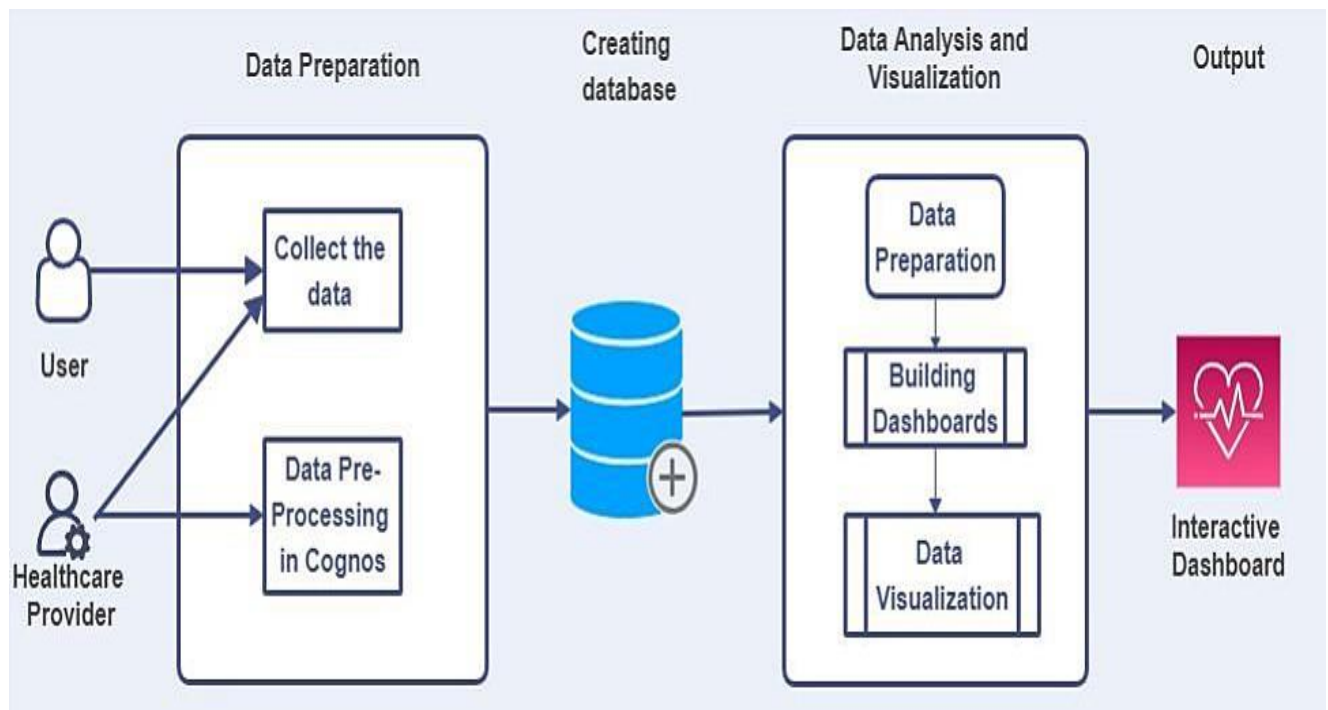
Table-1 : Components & Technologies:

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	Data Processing	The data from the dataset is pre-processed	IBM Cognos Analytics
3	Database	Database Service on IBM Cloud	IBM Cloud

4	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
5	Uploading Dataset	Uploading dataset to the IBM Cognos	IBM Cognos Analytics and python
6	Data Visualization	The data is visualized into different forms	IBM Cognos Analytics and python
7	Data Prediction	Prediction of the Length Of Stay (LOS)	IBM Cognos Analytics and python

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1	Open-Source Frameworks	Dashboard frameworks in the form of charts, graphs and more	IBM Cognos
2	Scalable Architecture	Scalability 3-tier => Database, application, server	Web server – HTML, CSS Application server- Python
3	Availability	This dashboard is available for health care providers which helps them to managing the hospital resources	IBM Cognos
4	Performance	This dashboard can contain numerous data and provides interactive visualizing performance which helps in easy usage	IBM Cognos