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

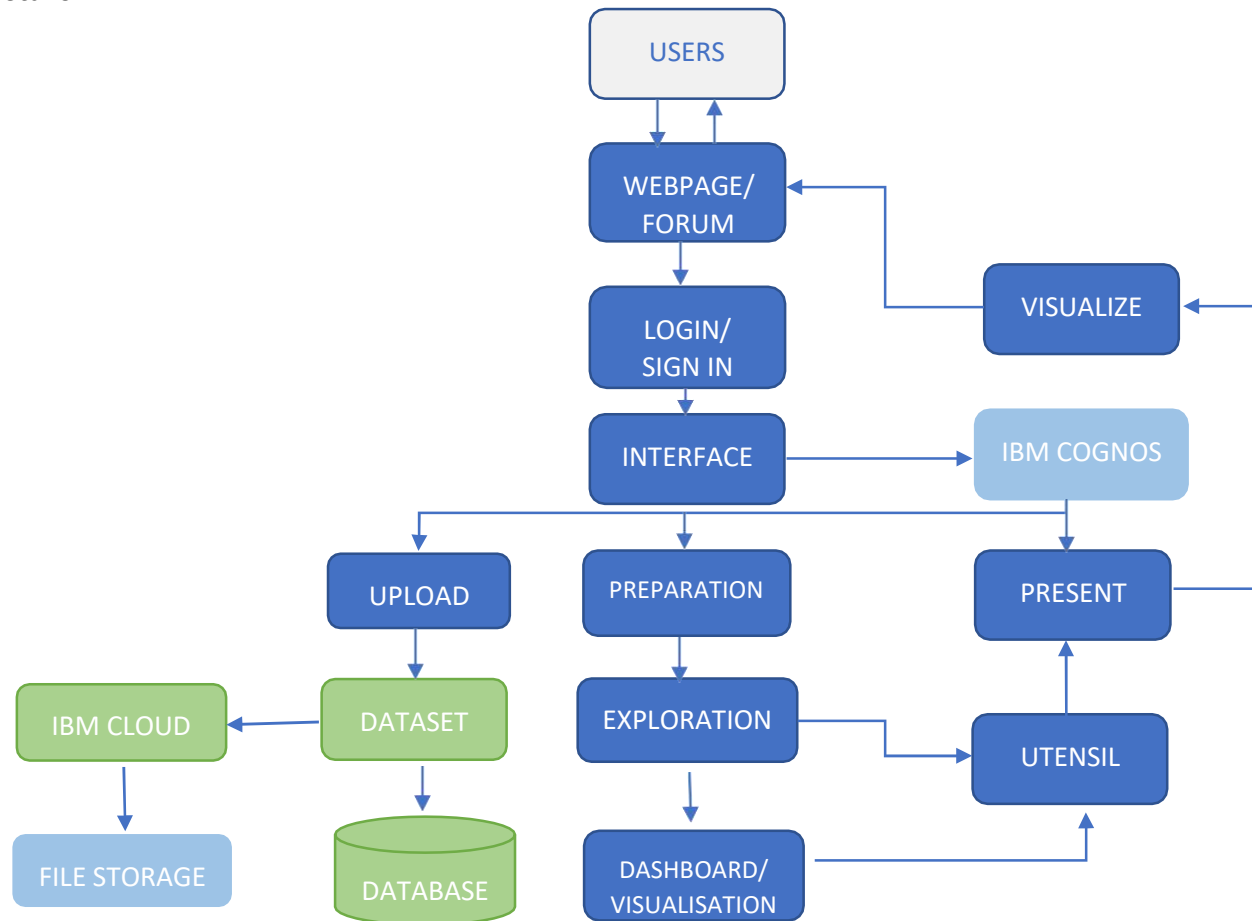| Date	8 November 2022
Team ID	PNT2022TMID04531
Project Name	Project – Analytics for Hospitals' Health Care data
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Dashboard Logic-1	Logic for a process in the dashboard	IBM Cognos Analytics
3.	Dashboard Logic-2	Logic for a process in the dashboard	MS Excel
4.	Database	Data Type, Configurations etc.	MySQL, NoSQL, etc.
5.	Cloud Database	Database Service on Cloud	IBM Cloudant
6.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
7.	Uploading and visualization data	Using exploration and visualization	IBM Cognos Analytics

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	The dashboard Framework is used to see the Length Of Stay of patient and all the hospital details and through the visualization of data the user can easily understand and it is user friendly	IBM Cognos
2.	Security Implementations	Industry level security will be provided	IAM Controls

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
3.	Scalable Architecture	The workload may change and the user requirement may change and the architecture of the dashboard is designed in such a way that it can even handle the more workload	IBM Cognos
4.	Availability	The user can view the upto date information and also the dashboard available all the time . It will be useful for the user to get the information.	IBM Cognos
5.	Performance	The dashboard quickly response to the user commands and it is user friendly	IBM Cognos