

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

Date	03 October 2022
Team ID	PNT2022TMID14675
Project Name	Project - Corporate Employee Attrition
Maximum Marks	4 Marks

Technical Architecture:

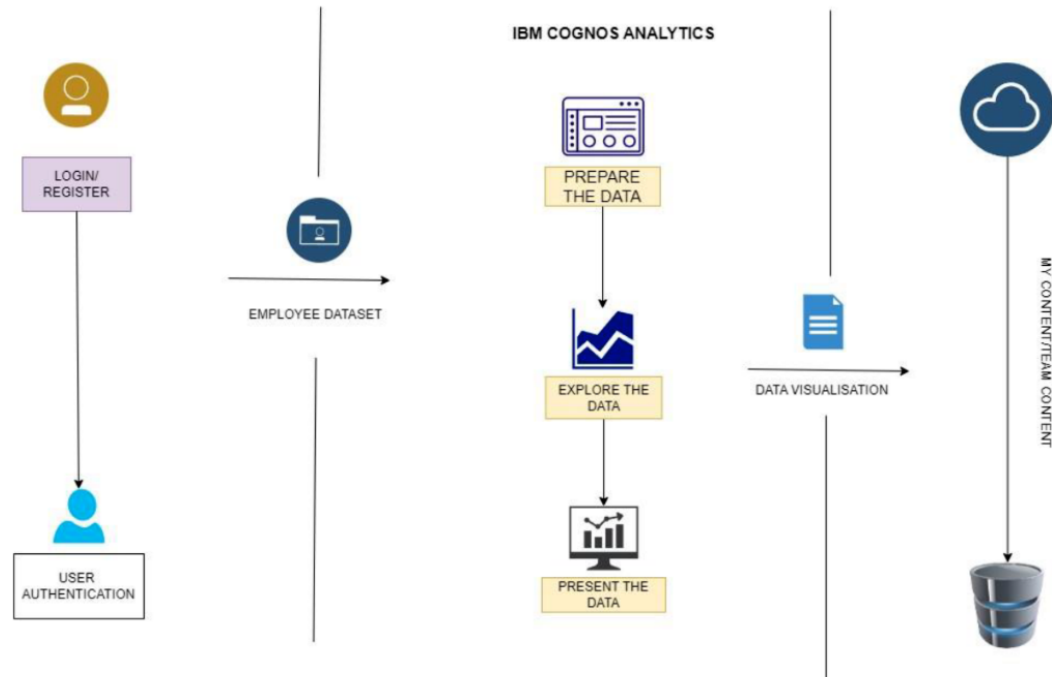


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Mostly GUI components accessed through provided links	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Database	Manipulating given datasets and saving the data in a secure location for future use	MySQL, NoSQL, etc.
3.	File Storage	Datasets can be uploaded to your Cognos Account	IBM Block Storage or Other Storage Service or Local Filesystem
4.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	IBM provides tools for simple to complex visualisations to be implemented	IBM Cognos Analytics
2.	Security Implementations	It provides Exclusivity and is only ever share-able from your own account	Encryptions, IAM Controls, OWASP etc.
3.	Scalable Architecture	It is capable of handling very large datasets	Cognos Analytics
4.	Availability	Clicking on the shared link redirects you to the data visualisations as long as you have an account	Cognos Analytics
5.	Performance	It is a simple tool that can be used to achieve complex and large visualisations with ease	Cognos Analytics