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

Date	15 October 2022
Team ID	PNT2022TMID20025
Project Name	Skill/Job Recommender Application
Maximum Marks	4 Marks

Technical Architecture:

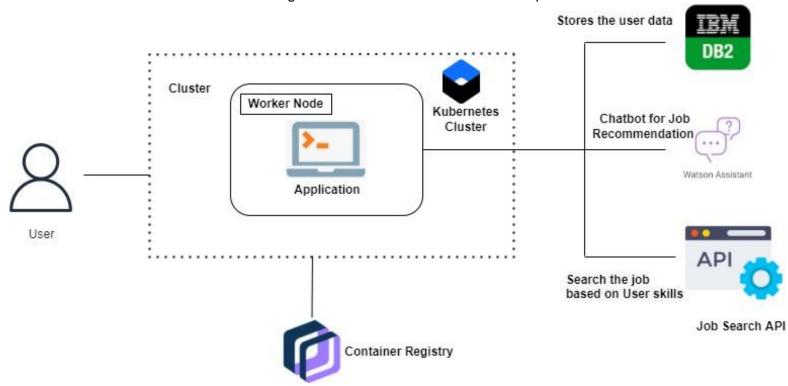The Deliverable shall include the architectural diagram as below and the information as per the table1 & table2

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	The user can interacts with our application with the help of chatbot, etc.	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	The User can login/Register with application	Javascript
3.	Application Logic-2	They can also register through Email,linkedin.	Java
4.	Cloud Database	The user data will be stored and retrieved with the help of this database.	IBM DB2, IBM Cloudant etc.
5.	File Storage	The user documents like photos, resumes and much more will be stored in cloud bucket, etc.,	IBM Block Storage or Other Storage Service or Local Filesystem
6.	External API	With the help of API, the user can search the job based on their Skillset.	Job search api etc.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud	Local, Cloud Foundry, Kubernetes, etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Job search api is used to fetch the jobs and display to the user and Watson assistant is used for chat bot interaction.	Job search api, Watson assistant
2.	Security Implementations	Data information about the user will be saved in ibm database safely.	Ibm db2
3.	Scalable Architecture	3-tier arch will be used .	React Js
4.	Performance	It does not disturb the performance of the computer by not affecting the operating system. It works in minimal hardware systems.	Not used huge memory consumption tech.