Project Design Phase-I
Proposed Solution Template

Date	30 September 2022
Team ID	PNT2022TMID24872
Project Name	Project – Skill / Job Recommender Application
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	*Having a variety of abilities but unsure of which position would be best for you? No need to be concerned! With our skill recommender solution, either a skilled or a fresher user may sign up, search for jobs using the search bar, or speak with the chatbot directly to land their ideal position. *To create a complete web application that can show available jobs based on the user's skill set. The database contains both the user and their data. In addition to that company also can add their available job roles so that they can get perfect employees for that roles.
2.	Idea / Solution description	The idea used by us are *For storing the data we have used IBM DB2 *Watson Assistant is used for chatbot. *Job search API is used for searching jobs based on the education qualification. *In addition to that Kubernetes cluster and container registry are used. *With the help of the above tools skill/job recommender system will be build.
3.	Novelty / Uniqueness	*The Skill/Job Recommender System was capable to offer suggestions based on data about users' preferences that has been recorded. These systems process information using information filtering techniques and present the user with potentially more pertinent items. *It will give suggestions only on the basis of educational qualification of that person. *It will not recommend jobs that does not suit for that person.

4.	Social Impact / Customer Satisfaction	Impacts include
		
		            *Job seekers can easily get jobs.
		            *Companies can easily recruit employees.
		            *It saves time for companies and as well as for job seekers.
		            *Companies can post their available job roles.

5.	Business Model (Revenue Model)	Skill/Job Recommender system is needed because
		            *Each and every field need to recruit employees for their organisation.
		            *For example In educational sector they need to hire people based on their educational details for this Skill/Job Recommender plays a huge role.
		            *Likewise Skill/Job Recommender was used for hiring in all sectors.
		            *So that the need of Skill/Job Recommender System is very very high.

6.	Scalability of the Solution	*IBM DB2 is used by businesses of all sizes, offers a data platform for both transactional and analytical operations. It also ensures that data is continuously available so that transactional processes and analytics continue to run smoothly. *Watson Assistant is used to automate communications with your end customers. *We can fetch jobs using API. * Kubernetes cluster helps application to run on multiple machines and environment. *Container Registry manages all the user details in single place.