Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMIDB8-2A4E
Project Name	Project – Skills/ Job Recommender
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 lots of skills but wondering which job will best suit you? Don't need to worry! We have come up with a skilled recommender solution through which the fresher or the skilled person can log in and find the jobs by using the search option or they can directly interact with the chatbot and get their dream job.
2.	Idea / Solution description	Using the IBM Cloud, HTML, Javascript, IBM Cloud Object Storage, Python-Flask, Kubernetes, Docker, IBM DB2, IBM Container Registry the application is developed. To develop an end-to-end web application capable of displaying the current job openings based on the user skillset. The user and their information are stored in the Database. An alert is sent when there is an opening based on the user skillset. Users will interact with the chatbot and can get the recommendations based on their skills. We can use a job search API to get the current job openings in the market which will fetch the data directly from the webpage.
3.	Novelty / Uniqueness	When the user's skill is matched with the information that are stored in database an alert is sent when there is an opening based on the user skillset.
4.	Social Impact / Customer Satisfaction	When the user finds the jobs that are found with the matched skillset of the user then the desired jobs excite the user.
5.	Business Model (Revenue Model)	Job descriptions are found in the database that are matched with the user's skills that they possess
6.	Scalability of the Solution	Then finally the jobs that are applicable for the users are sent as an alert for the users reference.