Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID08534
Project Name	Project - Skill and Job Reccomender
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In today's world, finding the right job which matches the possessed skillset and users' expectation is a real struggle. Therefore, for workers who want to build a successful career, acquiring new skills required by new jobs through lifelong learning is crucial. To help people seeking new jobs find suitable jobs, we provide them with job recommendations.
2.	Idea / Solution description	To develop an end-to-end web application that by default have a lot of current job openings through job search API out of which the right job will be recommended based on user skill set. At the same time, students can develop their skills side by side with various courses and webinars offered by the reputed organisation. In addition, a smart chatbot will be available 24*7 which can help users find the right job. Using the job search API, users can also search for customized jobs such as Government Jobs, Women Only Jobs, Jobs based on Communities, etc. The app also suggests additional courses to help users upgrade their resumes.
3.	Novelty / Uniqueness	The uniqueness of the proposed project is listed as follows: ● Chatbot-based interaction, built using IBM Watson assistant. ● Search-based recommendation. ● Send notifications to users regarding job-based courses to enhance their skills. ● Customise the recommendation based on the experience, location and salary expectations of the users.

4.	Social Impact / Customer Satisfaction	Users can find the appropriate job which suits their qualification and skill set, and their skills can further be amplified by recommending the needed courses which can land them in their dream job.This expands the scope of employability and assuring the company with well qualified employees helps in the country's economic growth.
5.	Business Model (Revenue Model)	By providing companies with the best profiles, we can generate revenue by offering subscription-based applications to job seekers.
6.	Scalability of the Solution	The system can be easily scaled up and down as it is a cloud web application. The system can be catered to in favour of hiring companies. The specificity of the search can be increased by inculcating more attributes to the search API.