

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID26486
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)	<ul style="list-style-type: none"><li>➤ Job seekers have to check each every Recruiters website in order to search for any job vacancies.</li><li>➤ For job seekers it is an time consuming process to search for which job suits based on their skill set.</li><li>➤ Recruiters facing difficulties in advertising their job vacancies.</li><li>➤ Recruiters also finding it difficult to verify that the person with right skill set have applied for the job.</li><li>➤ Hence there is a need of “ <b>Skill / Job Recommender Application</b> ”.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>➤ By using this web application job seeker directly choose your job related to your skills without need help from someone.</li><li>➤ You can search a job based on your skills .</li><li>➤ You can chat with chatbot for get recommendation of list of jobs related to specified skillsets.</li><li>➤ Recruiters can post for job opening in our application.</li><li>➤ It is an end-to-end application</li><li>➤ Use a job search API to get the current job openings in the market which will fetch the data directly from the webpage.</li><li>➤ User can interact with chatbot via entering skills to the bot, it suggest some job based on entered skills.</li><li>➤ lists of jobs are uploaded into database and the chatbot also connected with database once user enter skills into chatbot it will search related job in database then it</li></ul>

		display various jobs related to skills.
3.	Novelty / Uniqueness	<p>The uniqueness of the proposed project is listed as follows:</p> <ul style="list-style-type: none"> <li>➤ Chatbot-based interaction, built using IBM Watson assistant.</li> <li>➤ Search-based recommendation.</li> <li>➤ Send notifications to users regarding job-based courses to enhance their skills.</li> <li>➤ Customize the recommendation based on the experience, location and salary expectations of the users.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>➤ The main aim of the project is to build an application that recommend jobs for job seekers.</li> <li>➤ The user can search using a chatbot and the chatbot recommends the job.</li> <li>➤ Even the application can send notifications based on matching job or upcoming jobs through e-mail.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>➤ we can generate revenue by offering subscription-based applications to job seekers.</li> <li>➤ Users who have bought the subscription can get job alerts prior to others.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>➤ Whatever Skill may be given but skill/job application don't fail to give recommendation.</li> <li>➤ Even if the number of users increases , the system will perform well.</li> </ul>