

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

Date	13 November 2022
Team ID	PNT2022TMID48126
Project Name	Skill and 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)	<ul style="list-style-type: none"><li>➤ Freshers and Job seekers are not getting any proper information regarding interview process and fake job postings.</li><li>➤ Dealing with the enormous amount of recruiting information on the Internet, a job seeker always spends hours to find useful ones.</li><li>➤ Many times, people who lack industry knowledge are unclear about what exactly they need to learn in order to get a suitable job for them.</li><li>➤ We address the problem of recommending suitable jobs to people who are seeking a new job.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>➤ We have come up with a skill and job 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.</li><li>➤ The system provides the initial recommendation to the job seeker and records his behaviour.</li><li>➤ Thus, we will be able to arrive at a set of jobs in which the job seeker is interested and a set of jobs in which he is not interested.</li><li>➤ The extended new basic features help in updating the job seeker's profile.</li><li>➤ The job applicant is provided with new recommendations. Similarly, the same recommendation system helps provide job applicant recommendations to the job recruiters to find the most eligible candidates for their firm.</li><li>➤ Training programmes and certification courses are also recommended to job seekers based on their job interests to</li></ul>

		grow their skills.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>➤ We are using chatbot and the users can interact with the chatbot and can get the recommendations based on their skills.</li> <li>➤ A fake job detection ML model which verifies the job postings and removes the fraudulent ones before getting listed on the platform is integrated with the recommendation engine to bring down the employment scams.</li> <li>➤ This will prevent the job seeker from getting trapped with fraud one.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>➤ The job &amp; skill recommender system will minimize the unemployment and improve the skills of job seekers to boost the country's economy.</li> <li>➤ The customer satisfaction can be measured by customer loyalty and customer reviews after deployment of the project.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>➤ A subscription model will be provided for both employees and employers with additional costs for features along with recurring monthly or yearly costs.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>➤ Cloud computing is used for better scalability.</li> <li>➤ The cloud is capable of increasing or decreasing IT resources as needed to meet the changing demand and workload.</li> </ul>