

Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID23056
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)	<p>Do you have many skills but are you wondering which position is best for you? You don't have to worry. We have designed a skills recommendation solution through which the newest or most qualified person can log in and find the jobs using the search option or interact directly with the chatbot and get the job from her dreams.</p> <p>Develop an end-to-end web application capable of displaying current job vacancies based on user skills. The user and his information are stored in the database. An alert is sent when there is an opening based on the user's skills. Users will interact with the chatbot and can get recommendations based on their skills. We can use a job search API to retrieve current job openings on the market, which will pull the data directly from Website</p>
2.	Idea / Solution description	<p>The contributions of this work are threefold:</p> <p>i) we make available to the public a new dataset made up of a set of job seeker profiles and a set of job offers collected on different job search engines</p> <p>ii) we present the proposal of a framework for job recommendation based on the professional skills of job seekers</p> <p>iii) carried out an assessment to empirically quantify the recommendation skills of two state-of-the-art methods, considering different configurations, within the proposed framework. Therefore, we present an overview of the job recommendation task with the aim of facilitating the research and design of real applications regarding this important topic.</p>

3.	Novelty / Uniqueness	The best position is suggested to everyone according to their abilities. Although the position of known profiles is assumed, it must be taken into account that in general there are several recommendable positions corresponding to a set of skills. A recommender system should return a set of most likely positions, all of which may be equally valid. The recommendation method we use is simply based on representing positions and profiles as comparable vectors and finding the most similar positions for each profile. vectors
4.	Social Impact / Customer Satisfaction	Students will benefit as they will know which job suits them based on their skills and therefore the absence of unemployment can reduce.
5.	Business Model (Revenue Model)	We may provide the application to job seekers on a subscription basis and we may share the profiles with companies and generate the income by providing them with the best profiles.
6.	Scalability of the Solution	Data can be scaled up and scaled down according to number of current job openings available.