Project Design Phase-I

Date	19 September 2022
Team ID	PNT2022TMID52622
Project Name	Skill and job recommender system
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	You have many skills but wondering which job suits you best? Don't worry! We developed a skills recommendation solution that allows new students or professionals to log in and find jobs via a search option or interact directly with a chatbot to find their dream job. Developing an end-to-end web application that can display current job listings based on a user's skills. Users and their information are stored in a database. Based on the user's skill, a notification will be sent when there is a vacancy. Users can interact with chatbots and get recommendations based on their skills. We may use the job search API to retrieve the latest job listings in the market. This will pull the data directly from the website.
2.	Idea / Solution description	There are three contributions to this work. We: i) published a new dataset consisting of a set of job seeker profiles and a set of job listings collected from various job search engine sites ii) Proposing a framework for job recommendation based on job seekers' professional skills iii) solicited empirical evaluations. We quantify the recommended features of the two state-of-the-art methods considering different configurations within the proposed framework. Therefore, we present a general panorama of work-recommended tasks with the aim of facilitating research and practical application design related to this important topic.
3.	Novelty / Uniqueness	Students benefit from this because they know which jobs are suitable for them based on their skills. Therefore, unemployment due to absenteeism can be reduced. Each person is suggested the best position according to their ability. Note that while the known profile positions are assumed to be correct, there are usually several recommended positions that correspond to skill sets.

		The recommended method we use is based on representing both the position and profile as comparable vectors and using the vector most similar to each profile to find the position.
4.	Social Impact / Customer Satisfaction	Students benefit because they know jobs that are suitable for them based on their skills, which can reduce unemployment shortages.
5.	Business Model (Revenue Model)	You can offer job seekers applications on a subscription basis, share profiles with companies and generate revenue by providing the best profiles.
6.	Scalability of the Solution	The data can be zoomed in and out according to the currently available job openings.