Project Design Phase-I
Proposed Solution

Date	01-10-2022
Team ID	**PNT2022TMID37370**
Project Name	**SKILLS / JOB RECOMMENDATOR APPLICATION**
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem statement (for solving)	To develop an end-to-end web application capable of displaying the current job openings based on the skill set of the users. The users and their information are stored in database . An alert in sent when there is an opening based on the user skill set . users interact with chatbot and can get the recommendation based on the skills. We can use job search API to get the current job openings in the market which will fetch the data directly from the web page .
2.	Idea / Solution description	The contributions of this work are threefold, we: i) made publicly available a new dataset formed by a set of job seekers profiles and a set of job vacancies collected from different job search engine sites ii) put forward the proposal of a framework for job recommendation based on professional skills of job seekers iii) carried out an evaluation to quantify empiíically the recommendation abilities of two state-of-the art methods, considering different configurations, within the proposed fssramework. We thus present a general panorama of job recommendation task aiming to facilitate research and real-world application design regarding this important issue.
3.	Novelty / Uniqueness	The best position are suggested to any person according to her skills.While the position of known profiles are assumed

		should be noted that there are usually multiple advisable positions corresponding to a set of skills.A recommendation system should return a set of most likely positions and all of them can be equally valid. The recommendation method we use is simply based on representing both positions and profiles as comparable vectors and seeking for each profile the positions with the most similar vectors.
4.	Social Impact / Customer Satisfaction	The Students will be benefited as they will get to know which job suits them based on their skill set and therefore Lack of Unemployment can be reduced. This remit includes social impact mitigation, community engagement and delivery of field based social investment initiative and programmers.
5.	Business model (revenue model)	we can share the profiles with companies and generate the revenue by providing them best profiles. We can provide the application for job seekers in a subscription based onces .
6.	Scalability of the Solution	Data can be scaled up and scaled down according to number of current job openings available. By connecting their database through IBM-DB2 services for creating the chatbot using IBM-watson Assistant to fullfill the recommendations . Containerize a Flask application by using Docker and deploy it to the IBM Cloud Kubernetes Service.