Project Design Phase-I
Proposed Solution
Template

Date	30 September 2022
Team ID	PNT2022TMID16344
	Skill/Job Recommender Application
Maximum Marks	2 Marks

Proposed Solution:

SL. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	It is difficult to analyze which job best suits you. In such instances, it becomes essential to make use of a job recommender based on your skills. It is also difficult to find appropriate jobs according to your skill even if you're aware of it. So a chatbot is provided as we login to this application that makes use of the user's skill-set to perform analysis and recommend jobs based on that.
2.	Idea / Solution description	Through this project an individual is given access to an end-to-end application capable of displaying the currently available job openings based on the user skillset. Also the information is stored in the database. Alert is sent whenever there is an opening based on the user skillset.
3.	Novelty / Uniqueness	We can use a job search API to get the current job openings in the market which will fetch the data directly from the web page.
4.	Social Impact / Customer Satisfaction	This project will have impact on both the user end and the recruiter end. They can find candidates for respective Jon roles that contain vacancies. The skilled person as well as the fresher will attain job satisfaction through this application.
5.	Business Model (Revenue Model)	See below
6.	Scalability of the Solution	The project will be having the Python, Docker and Flask for the development of the backend, which makes it easy to run on any web browsers and it will affect the collection of data from the user side and the sending of prediction analysis from the IBM Watson. The server IBM Cloud will be used for making it work without any slow loading or delay of the

		prediction of the website.

5. Business Model (Revenue Model):

The business model describes how a company generates value. It mainly focuses on how to make a profit for the organization. It identifies the products or services the business plans to sell, its identified target market and any anticipated expenses. It is very essential for the current project since it is going to be a new business in the market. It needs financial support and they are been framed in the revenue model to make a successful place in the market.

The Revenue model describes how a company generates from the value it has generated for customers. It identifies which revenue source to pursue based on some of the questions that need to be asked for the amount of money that needs to be spent on each of the products. The major things focused on this are, what value to offer? How to price the value? and Who pays for the value?

For the project, Skill/Job Recommender Application, the following questions under the guidance of the revenue model is been framed to have an understanding of the money that is going to be used on various factors of development of the deployment and maintenance of the product.

1. Who pays? – Is it always the client? (User, Recruiter)

The User or the job Seeker will be paying for the product since he uses the services to be benefited and also the recruiters when they need a candidate of specific skillset.

2. How much is paid? – Is it always fixed? (Auction, Volume Discount, Dynamic Pricing)

It depends on the number of customers going to use the product. That includes the students visiting the website per day so that the server maintenance will be allotted the money that needs to be paid on that basis. The amount paid is never fixed it is based on dynamic pricing.

3. What is paid? – Is it always money? (Data, Activities, Shares)

It is entirely money that is being paid in this project. The data that is been received from the users is stored. It also includes the skillset graph that contains matching jobs according to their skills.

4. How is paid? – Is it always directly? (Subscription, Credit, Lease)

It varies according to the maintenance of the product if it is going to be maintained on a large scale with the help of cloud providers that are GCP, AWS or servers. This case includes a subscription to be maintained either for a year or month wise.

5. For what is paid? – Is it always the product? (Per Add-On, Per Result, Per Use)

The money is been paid mostly only for the appropriate job role filtration and job recommendations that are absolute and that match the expectations of the job Seeker.