Project Design Phase-I

Date	19 September 2022
Team ID	PNT2022TMID40334
Project Name	Project – Skill / Job Recommender Application
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The dataset used for this research are sourced from Stack overflow survey data which is modelled as the user data for this research. Another dataset was created by web scrapping the Job board Using R programming language to fulfill the road map of this dissertation. The research question proposed by this research is "Can an efficient recommender system be modeled for the Job seekers which recommend Jobs with the user's skill set and job domain and also addresses the issue of cold start?". To answer the research question, below are the objectives that need to be satisfied with going forward.
2.	Idea / Solution description	A Flask web application backed by powerful deep learning model and ESCO-API to recommend job based on user skill set along with recommending necessary skill set needed for the recommended job. Building more powerful AI model and better prediction accuracy. Creating a database for easy identification of skill set for recommended job.
3.	Novelty / Uniqueness	Definition of novelty is a crucial role and basis for novel recommendation. From the analysis of research status described above, researchers for the definition of novelty are not the same according to research field and data characteristics, and algorithm design of novel recommendation is also different.
4.	Social Impact / Customer Satisfaction	Customer service representatives receive and place telephone calls and help maintain solid relationships with customers by answering questions and concerns with speed and professionalism. But cashiers, salespeople, management, and billing departments can also be regarded as customer service jobs since they interact with customers.
5.	Business Model (Revenue Model)	Revenue modeling is the process of defining how a business plans to make

		money. A company's revenue model identifies the product or service, why it is valuable, how it can generate income and who it serves. Revenue modeling often involves incorporating multiple revenue streams into a central view of a company's finances.
6.	Scalability of the Solution	It navigates huge collections of items/jobs data and it extent up to the actual datasets, deals efficiency and analysis to accelerate for massive datasets. The above six evaluation metrics used in recommendation system to evaluate and measure performance