

**Project Design Phase-I**  
**Proposed Solution Template**

Date	7 October 2022
Team ID	PNT2022TMID45573
Project Name	Skill/Job Recommender
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)	Creation of a Job based recommendation system for job providers and job seekers using the candidate's skill set and recruiter's requirements by using cloud platform
2.	Idea / Solution description	The recommender system technology aims to help users in finding items that match their personnel interests; it has a successful usage in e-commerce applications to deal with problems related to information overload efficiently. In order to improve the e-recruiting functionality, many recommender system approaches have been proposed.
3.	Novelty / Uniqueness	The main purpose of the job recommendation system is recommending user satisfied job proposals based on user characteristics of demand. Novelty as one of the important metrics of job seekers satisfaction, become the focus of current research in recommendation system field. we proposed the paper combed research results about definition and algorithm of novel recommendation, and starting from the meaning of "novel", defined novelty of item in job recommendation system. Experiment proved using the definition of novelty to recommend can effectively recognize the item that the user is familiar with and ensure certain accuracy.
4.	Social Impact / Customer Satisfaction	Students will be benefited they will get know which jobs suits them based on their skill set.
5.	Business Model (Revenue Model)	We can provide the application for job seekers in a subscription based. We can share the profiles with companies and generate the revenue by providing them best profiles.
6.	Scalability of the Solution	Scalability problem mainly arise in huge and dynamic data

		sets which is produced by interactions between user and item such as preferences, ratings and reviews. It is possible that when some recommendation algorithms are applied on relatively small data sets, they provide the best results, but may reflect inefficient or worst behaviour on very large datasets.
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