Project Design Phase-I
ProposedSolutionTemplate

Date	06 OCTOBER 2022
ProjectName	SkillandJobRecommenderApplication
MaximumMarks	2Marks

ProposedSolutionTemplate:

Projectteamshallfillthefollowinginformationinproposedsolutiontemplate.

S. No.	Parameter	Description
1.	ProblemStatement(Problemtobe solved)	To create a complete web application that can show available jobs based on the user's skill set.
2.	Idea/Solutiondescription	In this paper, we presented a structure for the duty of employment recommendations. According to the preferences of the job recommender system creator, this architecture both makes it easier to grasp how the job suggestion process works and permits the use of a variety of text processing and recommendation methods. Additionally, we contribute by making a fresh dataset with profiles of job searchers and open positions publicly accessible. Future areas of our research will centre on conducting a more thorough review taking into account a larger number of methodologies and data as well as a thorough evaluation of the impact of each job seeker's professional skill on the recommendation they obtain for a position.
3.	Novelty/ Uniqueness	As information technology advanced and the Internet became more widely used, people gradually moved from an era of information scarcity to one of information overload. User satisfaction with recommender systems is correlated with both the degree of support provided to the user's decision-making as well as the accuracy of the system's recommendations. One crucial indicator of client happiness is novelty. The field of recommender systems (RS) is increasingly realising that novelty is a crucial component of suggestion effectiveness and added value.The originality of an item in a recommendation system was determined in this work by combing research findings on the definition and algorithm of novel recommendations. An experiment showed that the definition of novelty may be used to accurately identify and recommend items that the user is already familiar with.

4.	SocialImpact/CustomerSatisfaction	We create a number of recommender systems and evaluate their propensity to provide correct and varied recommendations as well as their capacity to produce customer satisfaction from a variety of data sources. The findings demonstrate that when a deep learning-based recommender system is used, accuracy and diversity have a beneficial impact on consumer satisfaction. In contrast, when using conventional recommender systems, only accuracy has a beneficial impact on customer satisfaction. These findings show that recommender system developers or managers must find ways to increase client satisfaction with the system and support the long-term growth of e-commerce.
5.	BusinessModel(RevenueModel)	Brands can customise the consumer experience by using recommendation systems to propose the content that most closely matches their needs. Businesses can also use a recommendation engine to analyse consumer usage patterns and browsing patterns in order to provide pertinent service and product recommendations.
6.	ScalabilityoftheSolution	A recommendation system is a strategy that presents users with content they may be interested in or have already accessed. Traditional recommender systems like content and collaborative filtering are utilised in a wide range of applications including e-governance, social media, marketing, and education.