MES COLLEGE OF ENGINEERING-KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA246 - MAIN PROJECT

PRO FORMA FOR THE APPROVAL OF THE FINAL SEMESTER PROJECT

(Note: All entries of the pro forma of approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Project Proposal Number : _____
(Filled by the Department)

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Academic Year : 2023
Year of Admission : 2021
Admission Number : 16625
Roll Number : 21MCA11038
Register Number : MES21MCA2039

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   Telephone No. : _____ Company E-Mail : _____
4. Name of the External Guide : _____
   Mobile No. : _____ E-Mail : _____
5. Title of the Project : Recommender system for Job Selection using Machine Learning
6. Name of the Guide : Mr. Balachandran K P

Date : 10/02/2023 Signature of the Student : Shirin

Comments of The Project Guide

Initial Submission :
Approval Status : Approved / Not Approved Dated Signature of Guide HOD
First Review :
Second Review :

Comments of The Project Coordinator

Initial Submission: Approved
First Review
Second Review
Coordinator

Dated Signature of Project Co-ordinator

Recommender System for Job Selection using Machine Learning Techniques

P.SHIRIN
MES21MCA-2039

ABSTRACT

The Recommender System for Job Selection using Machine Learning Technique is a project that concentrates on designing algorithm that can give recommendations to a job seeker based on user requirements using machine learning techniques.

The present recommendation engines provide a chunk of results unlimitedly, this lead to the generation of bulk information which contains irrelevant results or recommendations also. The proposed system recommends jobs based on the skillset and interest provided by the user. This system is highly beneficial for university graduates who are confused about what job to pursue on.

Currently, there is a plethora of websites that provide information regarding employment opportunities, but this is a tedious task to find suitable jobs as for students they need to surf various websites to find the ideal job and existing recommendation systems are not taking into account the skillset and interest of one also.

The existing system has collaborative approaches due to which the system suffers from three problems cold start, Data sparsity and Scalability. When there is insufficient information, the recommendation system doesn't work optimally which leads to cold start. When users rate limited items, it leads to sparcity of data. Scalability problems have been significantly raised due to the fast growth of e-commerce sites, there for techniques need to be adopted to generate required quick results for large scale applications. These three drawbacks are very problematic at times and opportunities can be missed because of the same reason. The system aims to solve the above-mentioned drawbacks in the existing system and build a recommendation system using python.

The principle of this system is to consider what the user proposes, user inclinations, and qualities, and map this with the accurate professional choice. It takes the client's field of interest into account and the users' profile interests and abilities, which can produce applicable career suggestions for the user.

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Guide