



ACROPOLIS
Enlightening Wisdom

Acropolis Institute of Technology & Research, Indore

Career.io

Submitted to:
Department of Computer Science and Engineering

**Supervised by:
Prof. Priyanka
Jangde**

Team Members

- 1. Aanchal Patel (0827CS201002)**
- 2. Aditi Rathore (0827CS201013)**
- 3. Aman Rathore (0827CS201027)**

Project Presentation Outline

- ❖ Abstract
- ❖ Introduction
- ❖ Project Objectives
- ❖ Survey of Existing Systems
- ❖ Requirement Analysis
- ❖ Solution Proposed
- ❖ The Outcome Discussion
- ❖ Conclusions

Abstract

- ❖ In today's changing world with evolving new technologies it is important for students to make the right career decision .
- ❖ therefore we are making a recommendation system to predict the best career option for students based on their skills and interest among the available wide range of choices.
- ❖ This project is a part in progress of education towards better course recommendation.
- ❖ By machine learning program that asks the client questions, and recommends the better stream based on the skills and academic performance provided.

Introduction

- ❖ At today's date have created a potential challenge for students to make a firm decision, as the number of choices increases the confusion to choose the right decision also increases.
- ❖ So, the recommendation system helps the student to explore fields related to education and career opportunities that are available.
- ❖ It narrows down the information based on their interest and makes it easy for them to select their next step.
- ❖ Our aim is to make a career recommendation system to help students in making a better decision for their future

Objectives

- ❖ Our main objective is to provide the best career option for students on the basis of their skills ,hobbies ,areas of interest and skill.
- ❖ We are making a recommendation system with the help of machine learning models like collaborative filtering .
- ❖ The recommendation system helps the student to explore fields related to education and career opportunities that are available.
- ❖ It narrows down the information based on their interest and makes it easy for them to select their next step. Individual's educational needs will differ on their career objectives and skills.

Survey of Existing Systems

- ❖ Traditional career counseling is done at a career center wherein the person has to give many aptitude tests, which are then scored manually. These scores are then reviewed by a career counselor who then assigns you a career stream. This whole process is long, tiresome and error prone.
- ❖ Our system automates this process, resulting in a better error-free career recommendation system.

Requirement Analysis

Technology Used :

Front-end : HTML, CSS, Javascript, Bootstrap

Back-end :Python

Database : MongoDB (It's a No SQL database)

Non-Functional Requirements :

Operating System : Windows 7,8,10,11

Processor : Min. 4-Core (atleast 2.5GHz)

RAM : Min 8 Gb

Storage : 16 Gb (to store the dataset)

Solution Proposed

- ❖ The proposed model is a machine learning model that generates recommendations' using recommender systems concept of machine learning by analyzing the huge amounts of data assembled using big data technologies.
- ❖ The model would be divided into three major phases of development.
The three models clearly define the process of data collection, analysis, classification & recommendation.
- ❖ The model analyses the metrics in a very curated way and could suggest the user or an organization with a recommendation that could be early advice and could help in making better decisions at a given point of time.

The Outcome Discussion

- ❖ It provides user a interface by which he/she can give a test and according to their interests and those who will get more marks, according to seperate stream and after analysing, they will be recommended for that stream.
- ❖ It help students to narrow down all the fields so that student can choose the best for them instead of getting confused

Conclusion

- ❖ This project presents Student Career Guidance and Recommendation System using the inherent student skills for choosing the right career.
- ❖ In order to recommend students in career selection, it is essential to build a recommendation system that provides direction and guidance to students in choosing their career.
- ❖ Here, we have developed a software tool to evaluate the aptitude and personality of a person based on his/her academic level using carefully curated personality and aptitude tests. This tool will help you determine your aptitude and personality traits, and will eventually help you in choosing your own career path.

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Q&A

THANKS