ABSTRACT

Recently, more and more people have begun to re-evaluate their career decisions and change careers at a later stage in life. So career choice has a pivotal role in college student's life planning. In today's world choosing the right career is the toughest decision that students have to make. Currently there are many websites which provide heaps of information regarding employment opportunities, but this task is extremely tedious for students as they need to go through large amounts of information to find the ideal job. Simultaneously existing job recommendation system only take into consideration the domain in which the user is interested while ignoring their profile and skillset, which can help recommend jobs which are suitable for the user.

The proposed Intelligent Career Guidance System examines the existing system and proposed implementations using machine learning. The system implement by predicting suitable career for students in a simple and efficient way. In this system students should give their scores in various subjects and details about their skills like communication, coding etc. The job roles suit for them is predicted by the algorithm with high accuracy after accuracy comparison of XGBoost, Decision Tree and Support Vector Machine Algorithm, and the feature selection technique, Chi-Squared test.

The training dataset consists of feature list which were 24 questions to be answered by the students and class label, the recommended jobs. By using this system, we predict job suited for the student based on similarity score. The system provide job from a large domain of 33 jobs. So students can be filter their ability and interests in a consistent way and can know the career which they are most fit for. The proposed system can be a right career mate for students who wish to seek right career for them.