Abstract

The campus placement prediction system that utilizes machine learning (ML) algorithms, including linear regression, support vector machines (SVM), k-nearest neighbours (KNN), decision trees, random forests, and gradient boosting. The existing system incorporates features such as name, age, percentage, and work experience to predict the likelihood of a student getting placed. The proposed system enhances the prediction accuracy by incorporating additional features such as programming skills, communication skills, participation in hackathons etc. Through the implementation of these ML algorithms, the system analyzes the provided features and predicts the probability of campus placement for a student. Experimental results demonstrate the effectiveness of the proposed system, with significantly improved prediction accuracy compared to the existing system. The outcomes of this study highlight the potential of ML algorithms in predicting campus placements and provide valuable insights for educational institutions and students.

# Keywords:

Machine Learning

Ensemble Learning

Logistic Regression

Support Vector Machine (SVM)

K-Nearest Neighbour (KNN)

Decision Trees

Random Forest