



DEPARTMENT OF INFORMATION TECHNOLOGY
Maturi Venkata Subba Rao Engineering College, Nadergul, Hyderabad
(An Autonomous Institution)
(Sponsored by Maturi Education Society, Estd.1980)
(An ISO 9001:2008 Certified Institution)

Guide Approval form

Date: 13-04-2023

Title of the Project: Loan Approval Prediction using Machine Learning

Abstract

Loan approval prediction is a critical task in the financial industry, as lenders need to assess the risk of granting loans to applicants. Machine learning techniques can be used to predict the likelihood of loan approval based on various features, such as credit history, income, employment status, and loan amount. In this task, the dataset is split into training and testing sets, and a machine learning algorithm is trained on the training set to learn the relationship between the features and loan approval status. The trained model is then evaluated on the testing set to determine its performance in predicting loan approval status. Various machine learning algorithms such as logistic regression, decision trees, random forests, and support vector machines can be used for loan approval prediction. The accuracy of the prediction model can be further improved by feature engineering, hyper parameter tuning, and ensemble learning techniques.

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