Machine Learning (01CE0617) Lab Manual 2024-25

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Lab	Program	Signature	Marks
1.	Implement Naïve Bayes algorithm using sample data.		
2.	Implement Random Forest and ensemble learning techniques.		
3	Using a dataset implement SVM classifier.		
4.	Implement classification techniques evaluation parameters using sample dataset.		
5.	Develop a cost function of linear regression using sample dataset.		
6.	Develop a Gradient descent of linear regression using sample dataset.		
7.	Implement a linear regression and multi linear regression algorithm with regularization using sample dataset.		
8.	Perform hyper parameter tuning using sample dataset.		
9.	Using sample data implement the evaluation parameters of regression techniques.		
10	Implement k-means clustering using a dataset.		
11.	Explore the association rule mining techniques using sample data.		
12.	Implement ANN using sample data.		
13	Exploring activation function in ANN.		
14	Implementation of Transformer Neural Network model.		