**MACHINE LEARNING LAB**

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| S.N. | Program | Page No. | Sign. |
| 1 | Write a Python program to Find union and intersection of two list |  |  |
| 2 | Write a Python program to map two lists into a dictionary and create manual dataset. |  |  |
| 3 | Write a Program to handle missing value using fillna(), replace() and interpolate() |  |  |
| 4 | Write a Program to import the dataset from local disk , sklearn library and Kaggle API. |  |  |
| 5 | Write a Program to handle categorical data (One Hot Enconding) |  |  |
| 6 | Write a Program to perform Data Normalization with Pandas |  |  |
| 7 | Write a Program to perform Data Normalization with sklearn. |  |  |
| 8 | Write a Program to Perform Data preprocessing on car datasets and save cleaned data in new file (CSV format) |  |  |
| 9 | Write a program to illustrate matplotlib library. Draw Bar Graph, Line Graph, Scatter Graph, Hisogram. |  |  |
| 10 | 1. Write a Program to implement Linear Regression using cleaned\_car dataset. [OR] 2. Write a Program to implement Linear Regression using boston housing dataset. |  |  |
| 11 | Write a Program to implement Logistic Regression using Admission\_Predict dataset |  |  |
| 12 | Write a Python program to implement confusion matrix and also find precision, recall, F1-Score and support |  |  |
| 13 | Write a Program to implement Decision Tree using custom dataset |  |  |
| 14 | Write a Program to implement KNN using diabetes dataset. |  |  |
| 15 | Write a Program to implement SVM using iris dataset and perform hyper parameter tuning. |  |  |
| 16 | Write a Program to implement Naive Bayes with binary class label using diabetes dataset. |  |  |
| 17 | Write a Program to implement Naive Bayes with multi class label using wine dataset. |  |  |
| 18 | Write a Program to implement Ensemble learning (Model 1: DT, Model 2: SVM, Model 3: Logistic, Model 4: KNN) using T-shirt size dataset. |  |  |