

## INDEX

No	Date	Name	Sign
1	7/10/23	A)Design a simple machine learning model to train the training instances and test the same. B)Implement and demonstrate the FIND-S algorithm for finding the most specific hypothesis based on a given set of training data samples. Read the training data from a .CSV file.	
2	14/10/23	A) Perform Data Loading, Feature selection (Principal Component analysis) and Feature Scoring and Ranking.  B) For a given set of training data examples stored in a .CSV file, implement and demonstrate the Candidate-Elimination algorithm to output a description of the set of all hypotheses consistent with the training examples.	
3	14/10/23	A)Write a program to implement the naïve Bayesian classifier for a sample training data set stored as a .CSV file. Compute the accuracy of the classifier, considering few test data sets .  B) ) Write a program to implement Decision Tree and Random forest with Prediction, Test Score and Confusion Matrix.	
4	2/11/23	A)For a given set of training data examples stored in a .CSV file implement Least Square Regression algorithm. B) ) For a given set of training data examples stored in a .CSV file implement Logistic Regression algorithm	
5	2/11/23	A) Write a program to demonstrate the working of the decision tree based ID3 algorithm. Use an appropriate data set for building the decision tree and apply this knowledge to classify a new sample. B) Write a program to implement k-Nearest Neighbour algorithm to classify the iris data set	
6	11/11/2	A) Implement the different Distance methods (Euclidean) with Prediction, Test Score and Confusion Matrix. B) ) Implement the classification model using clustering for the following techniques with K means clustering with Prediction, Test Score and Confusion Matrix.	
7	25/11/23	A)Implement the classification model using clustering for the following techniques with hierarchical clustering with Prediction, Test Score and Confusion Matrix.	
8	2/12/23	A) Write a program to construct a Bayesian network considering medical data. Use this model to demonstrate the diagnosis of heart patients using standard Heart Disease Data Set. B) Implement the non-parametric Locally Weighted Regression algorithm in order to fit data points. Select appropriate data set for your experiment and draw graphs	
9	14/12/23	Assuming a set of documents that need to be classified, use the naïve Bayesian Classifier model to perform this task	
10	4/1/24	Perform Text pre-processing, Text clustering, classification with Prediction, Test Score and Confusion Matrix.	