



Department of Computer Science & Engineering - AIML

Lesson Plan & Work-done Diary for AY: 2026-27, odd Semester

Course with Code: Machine Learning –BAIL702				Faculty: KHATEEJA AMBAREEN			Semester & Section: VII	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
1.		Prog1: Read a dataset from the user and i. Use the Find-S algorithm to find the most specific hypothesis that is consistent with the positive examples. Ii. What is the final hypothesis after processing all the positive examples? Using the same dataset, apply the Candidate Elimination algorithm. Determine the final version space after processing all examples (both positive and negative). What are the most specific and most general hypotheses in the version space?	Program lab Execution	1				
2.				2				
3.				3				
4.				4				
5.				5				
6.				6				
7.		Prog2: Read a dataset and use an example-based method (such as RIPPER or CN2) to generate a set of classification rules . Apply the FOIL algorithm (First-Order Inductive Learner) to learn first-order rules for predicting.	Program lab Execution	7				
8.				8				
9.				9				



10.				10				
11.				11				
12.		Prog3:Read a supervised dataset and use bagging and boosting technique to classify the dataset. Indicate the performance of the model.	Program lab Execution	12				
13.				13				
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15.				15				
16.		Prog 4: Read an unsupervised dataset and group the dataset based on similarity based on k-means clustering .	Program lab Execution	16				
17.				17				
18.				18				
19.				19				
20.		Prog 5:Read a dataset and perform unsupervised learning using SOM algorithm.	Program lab Execution	20				
21.				21				
22.				22				
23.				23				
24.		Prog 6: Write a function to generate uniform random numbers in the interval [0, 1]. Use this function to generate 10 random samples and evaluate f(x) for each sample. What are the sampled function values?Using the samples generated in the	Program lab Execution	24				
25.				25				
26.				26				



27.		previous step, estimate the integral I using the Monte Carlo method.		27				
28.		Prog 7: Read a dataset and indicate the likelihood of an event occurring using Bayesian Networks.	Program lab Execution	28				
29.				29				
30.				30				
31.				31				
32.		Prog 8: Refer to the dataset in question 7 and indicate inferences based on the sequence of steps	Program lab Execution	32				
33.				33				
34.				34				
35.		Lab Practice session	Program lab Execution	35				
36.		Lab IA		36				
37.		Lab Practice session		37				
38.		Lab Practice session		38				
39.		Lab IA		39				
40.		Lab IA		40				



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