O.P.Code: 20CS0904

R20

H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech III Year I Semester Regular & Supplementary Examinations February-2024 INTRODUCTION TO MACHINE LEARNING

CSE(Artificial Intelligence and Machine Learning)

	CSE(Artificial Intelligence and Machine Learning)			
Time: 3 Hours			Mar	ks: 60
	(Anaryson all Eige Units 5 y 12 - 60 Marks)			
	(Answer all Five Units $5 \times 12 = 60$ Marks)			
	UNIT-I			
1	a Describe about Machine Learning with their predictions?	CO ₁	L2	6M
	b List the Machine Learning Algorithm in testing near to excepted.	CO ₁	L1	6 M
	OR			
2	a Define basic concepts in Machine Learning.	CO ₁	L1	6M
	b Illustrate the concept of turning data into Probabilities using ML.	CO ₃	L3	6M
	UNIT-II			
3	a Explain about Linear Regression and its types.	CO ₃	L2	6M
	b Explain about machine learning classification and its usage.	CO1	L2	6M
	OR			
4	a Describe about Multiple linear regression and MLR equations	CO2	L1	6 M
	b Explain about Application of linear regression in machine learning.	CO1	L2	6M
	UNIT-III			
5	a State and explain implementation of multilayer perceptron.	CO4	L1	6M
	b What are the drawbacks of logistic regression?	CO4	L1	6M
	OR			01/1
6	a Define logistic regression. Explain types of logistic regressions.	C03	L1	6M
	b What are the advantages of multilayer perceptron?	CO4	L1	6M
	UNIT-IV			01.1
7	- I			
7	State and explain the following	CO4	Т 1	43/4
	a Bernoulli density	CO4	L1	4M
	b Multinomial density	CO4	L1	4M
	c Gaussian density	CO4	L1	4M
0	OR	CO.5	т 2	1234
8	Write about bias and variance.	CO5	L3	12M
	UNIT-V			
9	State and explain tuning complexity?	CO ₅	L1	12M
	OR			
10	a List the features of multivariate normal distribution.	C06	L1	6M
	b What is minimum mean square error estimation?	CO4	L1	6M

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