HALL TICKET NUMBER

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE (AUTONOMOUS)

IV B.TECH I SEMESTER END REGULAR EXAMINATIONS, NOV-2022

	IV B.TECH I SEMESTER END REGULAR EXAMINATIONS, NOV DEEP LEARNING	V-2022
	(CSIT Branch)	
Ti		Max. Marks: 60
	Note: Question Paper consists of Two parts (Part-A and Part-B) PART-A	
	Answer all the questions in Part-A (5X2=10M)	
1	a) Define Deep Learning.	[2M]
	b) What does ReLU activation function do?	[2M]
	c) List out the Hyperparameter Optimization methods?	[2M]
	d) What is the difference between LSTM and RNN?	[2M]
	e) Write different types of layers in deep learning?	[2M]
	PART-B	
	Answer One Question from each UNIT (5X10=50M) UNIT-I	
2	a. What are the Differences Between Machine Learning and Deep Learning?	[5 M]
	b. How do you create Computational Graph using TensorFlow? (OR)	[5 M]
3	a. Explain the difference between Classification and Regression?	[4 M]
	b. Write short notes on types of Perceptron Models.	[6 M]
,	UNIT-II	F. 7. 47
4	a. Discuss about Backpropagation algorithm.	[5 M]
	b. Explain about Perceptron training rule? (OR)	[5 M]
5	a. Explain Sigmoid and Softmax activation functions?	[5 M]
	b. What are the different types of Gradient Decent?	[5 M]
	UNIT-III	. ,
6	a. What is Overfitting and how yan you avoid it?	[4 M]
	b. Discuss about the techniques of Regularization?	[6 M]
	(OR)	
7	Breifly explain about Adversarial Generative Networks[AGN]? UNIT-IV	[10M]
8	a. Explain the working process of Convolutional Neural Networks?	[6 M]
	b. What are the advantages and disadvantages of Recurrent Neural Network? (OR)	[4 M]
9	a. Discuss about the Unfolded RNNs and Seq2Seq RNNs architecture.	[5 M]
	b. Explain the working of each Recurrent Unit in Recurrent Neural Networks? UNIT-V	[5 M]
10	a. Define Image Processing. What are the main challenges of Image Processing?	[5 M]
	b. What are the benifits and challenges of natural language processing? (OR)	[5 M]
11	a. Write short notes on Speech Recognition.	[5 M]
	b. What is Natural Language Processing? What are the techniques and methods of	[5 M]