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Department of Computer Science & Engineering

Home Assignment 2

Programme Name: MCA.

Semester: III

Course Code: CS33103

Course Name: Soft Computing

Instructions:

1. *This is a handwritten assignment. You need to scan the written assignment and post the solution. You can keep the hard copy for preparation of examination.*
2. *Last date of submission is 20/10/2020.*

- 1 Write short answers of following questions
 - a. What are perceptron networks? Its mathematical base.
 - b. Discuss the learning rule in single layer perceptron. Its algorithm.
 - c. AND,OR and XOR function with single layer perceptron
 - d. Multilayer perceptron, its architecture, learning rule, algorithm
 - e. Real world applications of perceptron. Its limitations.
 - f. Adaline networks- its architecture, learning rule, algorithm
 - g. Madaline networks- its architecture, learning rule, algorithm
 - h. Working Example for Classification of dataset using adaline & madaline.
 - i. Discuss commonly used activation functions.
 - j. Define linear Separability.