**TermTest 1 Syllabus for Intelligent Computing**

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| Introduction | fundamentals-of-natural-computing-basic-concepts-algorithms-and-applications – Chapter 1 |
| Biological Nervous Systems, Artificial Neural Networks, Neuron Models, Architectures, Supervised learning: Perceptron algorithm, Back Propagation Algorithm, | NeuralNetworks.pptx  Zurada 2.1, 2.2, 2.5  Zurada – SDPTA, SCPTA, R-category SCPTA, EBPTA  Problems on Learning rules |
| Unsupervised learning: Self-organizing maps | Unsupervised NN.pptx, Fausett Chap 4.2 |
| ART | Unsupervised NN.pptx, Fausett Chap 5.2 |
| Genetic Algorithm | GeneticAlgorithm.pptx |