EEE.8-3.2 Computational Intelligence

Course contents: Introduction to artificial and computational intelligence. * Introduction to machine learning. * Artificial neuron model. * Perceptron. * Multilayer perceptron neural networks. * RBF neural networks. * Other neural network architectures. * Hardware implementation of neural networks. * Introduction to fuzzy logic. * Fuzzy logic systems. * Genetic algorithms. * Swarm intelligence. *