Course Number and Name
BCS002 - NEURAL NETWORKS

Course Objectives

- Basic neuron models: McCulloch-Pitts model and the generalized one, distance or similarity based neuron model, radial basis function model, etc.
- Basic neural network models: multilayer perceptron, distance or similarity based neural networks, associative memory and self-organizing feature map, radial basis function based multilayer perceptron, neural network decision trees, etc.

Prerequisites	Co-requisites
BMA101- Mathematics-I, BMA201-Mathematics-II, BMA402- Numerical Methods	NIL

Course Outcomes (COs)

CO1: Be able to analyze a problem for NN solution in terms of these methods.

CO2: Have an awareness of the computational theory underlying NN.

CO3: Have a working knowledge of a typical neural network simulation

CO4: Experience in programming NN applications from scratch.

CO5: Have knowledge of sufficient theoretical background to be able to reason about the behavior of neural networks.

CO6: Have knowledge of sufficient theoretical background to be able to reason about the behavior of neural networks.

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k
CO1	M	H		H							
CO2		H		H							
CO3	M	H		H							
CO4		H	H	H							
CO5	L	H		H		M					
CO6											