

Objectives and Course Content of Short Term Course

Operational Plan No.	ICT-61
Name of the Course	Artificial Neural Network and Fuzzy Logic (Through ICT)
Objectives of Course	<ul style="list-style-type: none">• To understand concept of Artificial Neural Network and its application in pattern recognition and classification• To apply optimization techniques in pattern recognition• To learn concept of Fuzzy Logic and apply to solve engineering problems• To Simulate various Algorithms using MATLAB
Course Content	<ul style="list-style-type: none">• Overview of Biological and Artificial Neuron, Back propagation Algorithm, ART Network and its Applications, Hopfield Network and Self Organizing Map used in Kohonen Network• PSO and GA Optimization Techniques• Fuzzy Algorithms and its Applications• MATLAB implementation of Algorithms for various Application
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