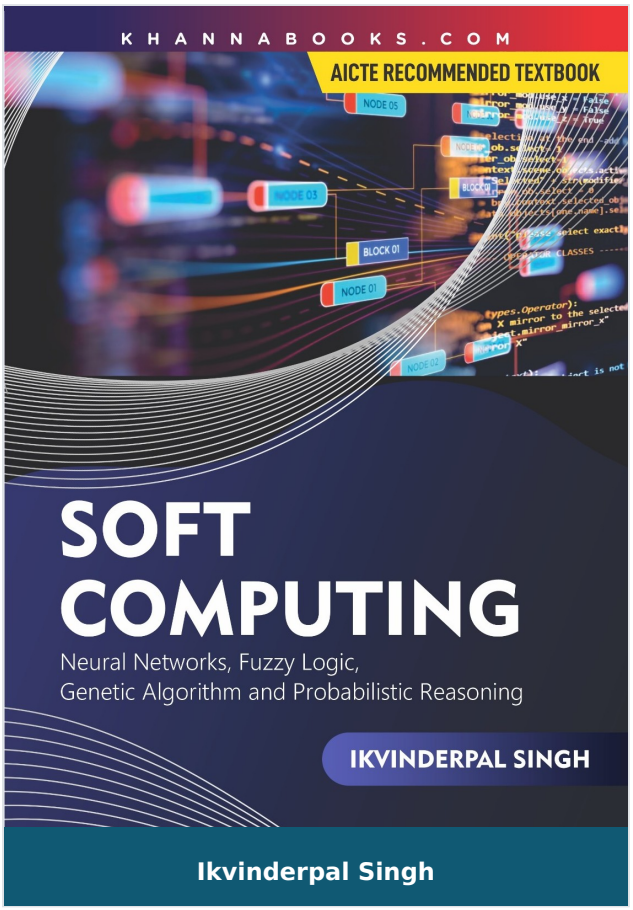


Soft Computing

Author :	Ikvinderpal Singh
ISBN 13 :	978-93-80016-97-9
ISBN 10 :	9380016972
E-ISBN 13 :	978-93-80016-97-9
Edition :	1
Pages :	696
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 750.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book is meant for a wide range of readers, especially college and university students wishing to learn basic as well as advanced processes and techniques in Soft Computing. It can also meant for Programmers who may be involved in programming based on the soft computing applications. Modern aspects of soft computing have been introduced from the first principles and discussed in an easy manner, So that a beginner can grasp the concept of neural networks fuzzy, genetic algorithm and probabilistic reasoning, each chapter contains solved example problems and exercise problems.

SALIENT FEATURES

- Detailed explanation of soft computing concepts
- Extensive coverage of fundamental concepts of Artificial neural network
- Present architecture and algorithm of every net in enough detail
- Provides examples of simple applications
- Gives mathematical development when it provides a guide to proper implementation of net
- Covers all supervised and unsupervised learning methods
- Discusses on the introduction to classical sets and fuzzy sets
- Fundamental idea on classical relations and fuzzy arithmetic explains in a lucid manner
- Detailed explanation of fuzzy rules is given
- Gives the architecture, operation and various applications of fuzzy logic systems
- Concepts of neuro-fuzzy and genetic algorithm are included
- Detailed analysis of each and every type of probability is explained with the help of examples
- Demonstrates the concept of fuzzy logic and probability.

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This book will be useful for student of BE (Computer/Electronics), B. Tech, ME(Computer/Electronics), M. Tech, MCA, BCA, M.Sc., B.Sc., and also to students pursuing A/B/C-level course of DOEACC.

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Table Of Contents

- Fundamentals of Neural Networks
- Perceptrons
- Backpropagation
- Adaline and Madaline
- Supervised and Unsupervised Learning
- Counter Propagation Network
- Adaptive Resonance Theory
- Neocognitron
- Bidirectional Associative Memory
- Case Studies
- Introduction to Fuzzy System
- Fuzzy Logic
- Classical Sets and Fuzzy Sets
- Fuzzy Relations, Fuzzy Graphs and Fuzzy Arithmetic
- Fuzzy If-then Rules
- Applications of Fuzzy Logic
- Neuro-fuzzy Systems
- Genetic Algorithm
- Probability Theory
- Random Variable and Mathematical Expectation
- Theoretical Distributions
- Fuzzy Logic and Probability Theory

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