



SOFT COMPUTING

Neural Networks, Fuzzy Logic,
Genetic Algorithm and Probabilistic Reasoning

Ikvinderpal Singh

Soft Computing

Author : Ikvinderpal Singh

ISBN 13 : 978-93-80016-97-9

ISBN 10 : 93-80016-97-2

E-ISBN 13 : 978-93-80016-97-9

Edition : 1

Pages : 696

Type of book : Paperback

Weight (g) : 928.00

Year : 2010

Language : English

Publisher : Khanna Publishing House

Regular Price : Rs 450.00

Sale Price : Rs 360.00

Categories : [All books](#), [Computer Science Engineering](#)

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.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

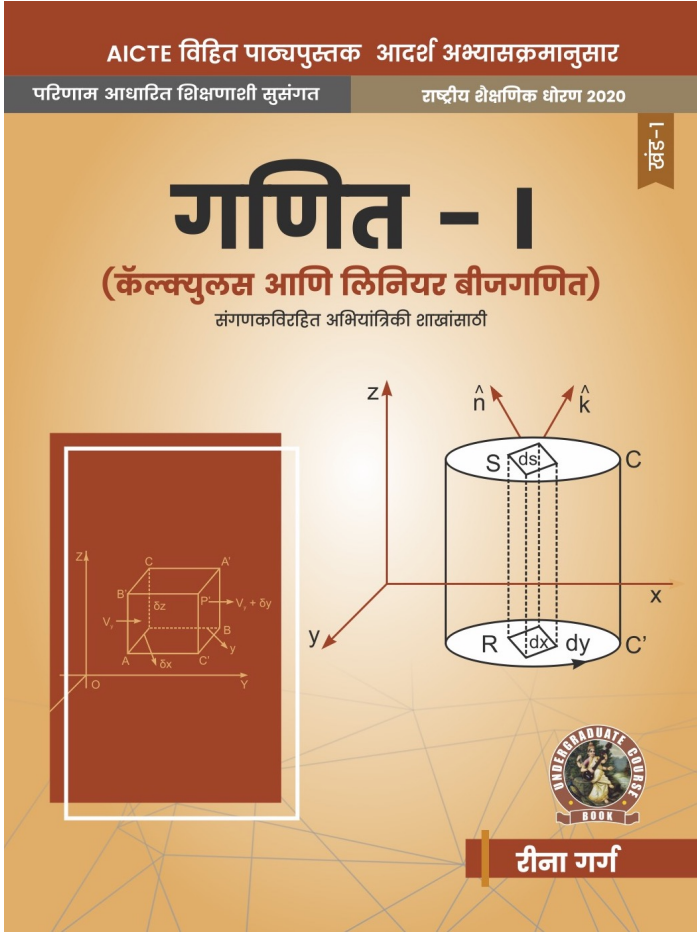
Table of Contents

Chapter 1: Fundamentals of Neural Networks Chapter 2: Perceptrons Chapter 3: Backpropagation Chapter 4: Adaline and Madaline Chapter 5: Supervised and Unsupervised Learning Chapter 6: Counter Propagation Network Chapter 7: Adaptive Resonance Theory Chapter 8: Neocognitron Chapter 9: Bidirectional Associative Memory Chapter 10: Case Studies Chapter 11: Introduction to Fuzzy System Chapter 12: Fuzzy Logic Chapter 13: Classical Sets and Fuzzy Sets Chapter 14: Fuzzy Relations, Fuzzy Graphs and Fuzzy Arithmetic Chapter 15: Fuzzy If-then Rules Chapter 16: Applications of Fuzzy Logic Chapter 17: Neuro-fuzzy Systems Chapter 18: Genetic Algorithm Chapter 19: Probability Theory Chapter 20: Random Variable and Mathematical Expectation Chapter 21: Theoretical Distributions Chapter 22: Fuzzy Logic and Probability Theory

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Mathematics-I - Calculus and Linear Algebra (For Non Computer Science) (Marathi)

Author : Reena Garg

ISBN 13 : 978-93-55380-37-1

ISBN 10 : 93-55380-37-2

E-ISBN 13 : 978-93-55380-37-1

Edition : First

Pages : 696

Type of book : Paperback

Year : 2022

Language : Marathi

Publisher : Khanna Publishing House

Regular Price : Rs 824.00

Sale Price : Rs 659.20

Categories : [AICTE Prescribed Textbooks](#), [All books](#), [Marathi Books](#)

Condition Type : New

Country Origin : India

Product Description

Calculus, Multivariable Calculus and Linear Algebra covers all the Modules prescribed by AICTE. Model curriculum to all the 1st year students (except CSE) studying in engineering institutions and universities of the country. It serves as both text book and / or useful reference work. It contains 5 units which include calculus, matrices, sequences & series and multivariable calculus along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that helps in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE, this book is in student friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of Questions in this book have been designed to success the reader understands of the subject. Professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

- In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.
- Emphasis on the applications of concepts and theorems.
-



Table of Contents

Foreword

Acknowledgement

Preface

Outcome Based Education

Course Outcomes

Abbreviations and Symbols

List of Figures

Guidelines for Teachers

Guidelines for Students

1- Calculus-I

2- Calculus-II

3- Sequences and Series

4- Multivariable Calculus -I

5- Matrices

Index

CO and Po Attainment Table.

Author

Reena Garg Dr. Reena Garg, M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers. She has published more than 10 research papers in various International Journals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore. </p>



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320