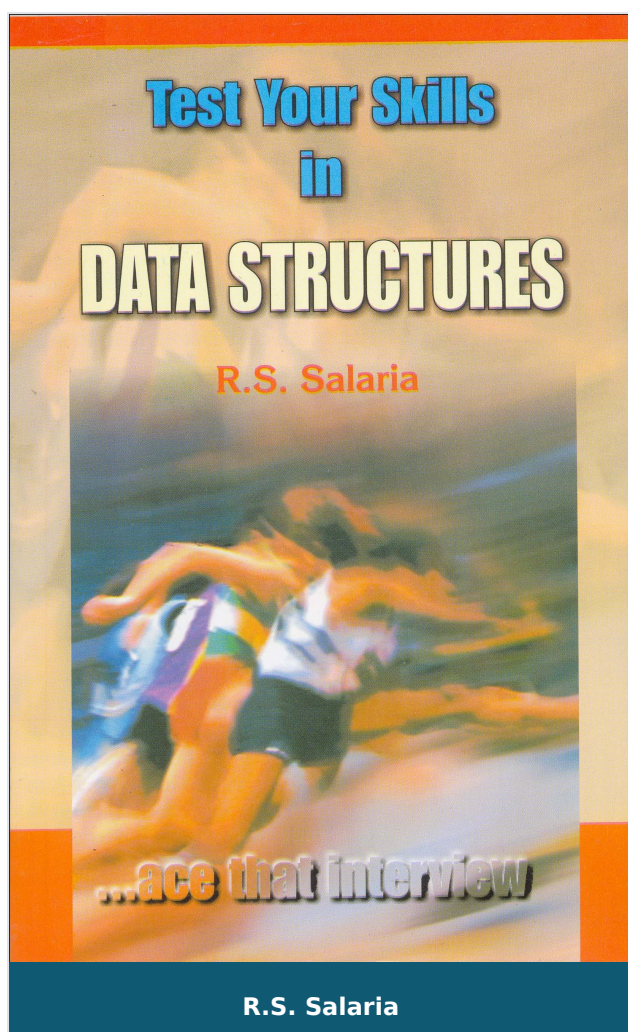




## Test Your Skills in Data Structures

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| <b>Author :</b>         | R.S. Salaria                                     |
| <b>ISBN 13 :</b>        | 978-81-87325-47-5                                |
| <b>ISBN 10 :</b>        | 818732547X                                       |
| <b>E-ISBN 13 :</b>      | 978-81-87325-47-5                                |
| <b>Edition :</b>        | 1                                                |
| <b>Pages :</b>          | 268                                              |
| <b>Type of book :</b>   | Physical                                         |
| <b>Year :</b>           | 2016                                             |
| <b>Language :</b>       | English                                          |
| <b>Publisher :</b>      | Khanna Publishing House                          |
| <b>M.R.P :</b>          | Rs 150.00                                        |
| <b>Categories :</b>     | <a href="#">OBJECTIVE TYPE BOOKS, Book Store</a> |
| <b>Condition Type :</b> | New                                              |
| <b>Country Origin :</b> | India                                            |

## Product Description

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Data Structures is one of the important subjects in computer science. Understanding of various data structures and the choice of an appropriate data structure is very crucial for the success of any software. All IT companies want that students must be very good in conceptual as well as practical knowledge of Data structures. This book gives an ample opportunity to you to test/ evaluate your skills in Data structures. Plenty of multiple choice type questions. Plenty of true false type questions. Plenty of fill-in the blanks type questions. Plenty of short answer type questions.

## Table Of Contents

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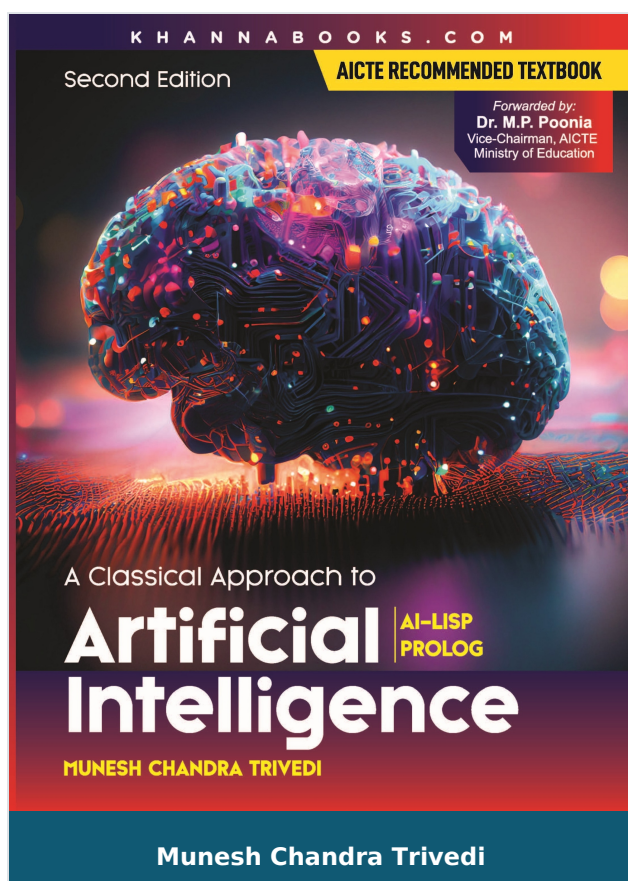
- Some Useful Tips
- Multiple Choice Type Questions
- True-False Type Questions
- Fill in the Blanks Type Questions
- Short Answer Type Questions
- Glossary

## Author

---

### **R.S. Salaria**

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>



## A Classical Approach to Artificial Intelligence | AICTE Recommended Textbook

|                  |                                                                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Author :         | Munesh Chandra Trivedi                                                                                                                                                          |
| ISBN 13 :        | 978-81-90698-89-4                                                                                                                                                               |
| ISBN 10 :        | 8190698893                                                                                                                                                                      |
| E-ISBN 13 :      | 978-81-90698-89-4                                                                                                                                                               |
| Edition :        | Second                                                                                                                                                                          |
| Pages :          | 540                                                                                                                                                                             |
| Type of book :   | Physical                                                                                                                                                                        |
| Year :           | 2025                                                                                                                                                                            |
| Language :       | English                                                                                                                                                                         |
| Publisher :      | Khanna Publishing House                                                                                                                                                         |
| M.R.P :          | Rs 495.00                                                                                                                                                                       |
| Categories :     | <a href="#">UNIVERSITY RECOMMENDED,</a><br><a href="#">Computer Science Engineerings,</a><br><a href="#">Emerging Technologies, Book</a><br><a href="#">Store, Best Sellers</a> |
| Condition Type : | New                                                                                                                                                                             |
| Country Origin : | India                                                                                                                                                                           |

## Product Description

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There are many books available in the market on the proposed topic but none of them can be termed as comprehensive. Besides, students face many problems in understanding the language of this books. Keeping these points in mind, Artificial Intelligence was prepared, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.

## Table Of Contents

---

- Overview of Artificial Intelligence
- Problem Solving and Search
- Search Methods
- Problem Solving in Games (Adversarial Search)
- Understanding Natural Languages
- Knowledge Representation
- Techniques of Knowledge Representation
- Expert System
- Pattern Recognition
- Computer Vision
- Computer Vision Representations
- Common Sense
- Programming Languages

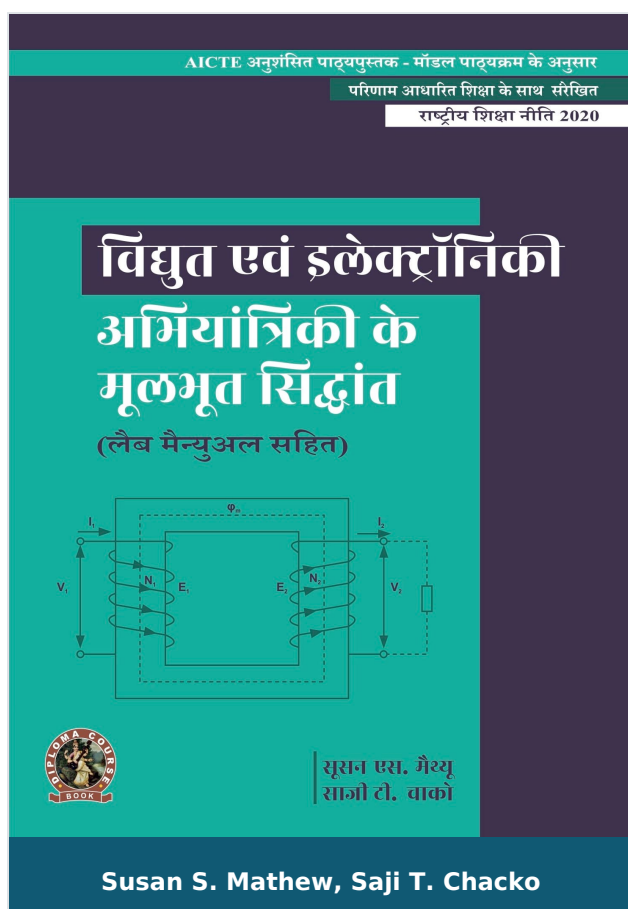
## Author

---

### **Munesh Chandra Trivedi**

Dr. Munesh Chandra Trivedi has more than 20 years of experience in the field of computer science & Engineering and has worked in Prestigious Institutions. He has more than 10 years' experience in various administrative responsibilities e.g., Dean (academics), Head of Department, TEQIP-111 Coordinator, PG coordinator, EDC cell Coordinator. Currently working Tripura, India, and Associate Professor and HoD (IT), Rajkiya Engineering College, Azamgarh, up (state Govt Institution of UP) with the additional responsibility of Dean Academics of the institute & Associate Dean UG Programs, Dr. APJ Abdul Kalam Technical University, Lucknow (State Technical

University). He was also the Director (In-charge) at Rajkiya Engineering College, Azamgarh. He had successfully filed 81 patents (65 National and 16 International Patents (Germany, South Africa, and Australia)), out of which 40 patents were granted. He has published 12 textbooks and 168 research papers in different International Journals and proceedings of repute. He has also edited 38 books for springer Nature. He successfully supervised 14 PhD students and received numerous awards, including the Young scientist Visiting Fellowship, Albert Einstein Research scientist Award, Best senior Faculty Award, Outstanding Scientist, Dronacharya Award, Author of the Year, and vigyan Ratan award from different national, as well as international forums. He has organized more than 32 international conferences technically sponsored by IEEE, ACM, AND Springer. Dr.



## Fundamentals of Electrical and Electronics Engineering (with Lab Manual)

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| <b>Author :</b>         | Susan S. Mathew, Saji T. Chacko                                             |
| <b>ISBN 13 :</b>        | 978-93-55380-02-9                                                           |
| <b>ISBN 10 :</b>        | 935538002X                                                                  |
| <b>E-ISBN 13 :</b>      | 978-93-55380-02-9                                                           |
| <b>Edition :</b>        | First                                                                       |
| <b>Pages :</b>          | 268                                                                         |
| <b>Type of book :</b>   | Physical                                                                    |
| <b>Year :</b>           | 2023                                                                        |
| <b>Language :</b>       | English                                                                     |
| <b>Publisher :</b>      | Khanna Publishing House                                                     |
| <b>M.R.P :</b>          | Rs 395.00                                                                   |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks, Hindi Books, Book Store, Ebooks</a> |
| <b>Condition Type :</b> | New                                                                         |
| <b>Country Origin :</b> | India                                                                       |

## Product Description

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“Fundamentals of Electrical & Electronics Engineering” is a compulsory paper for the first year Diploma course in Engineering & Technology Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education.

Books covers six topics- Overview of Electronics Components and Signals. Overview of Analog Circuits. Overview of Digital Electronics, Electric and magnetic Circuits, A.C. Circuits and Transformer and Machines. Each topic is written in easy and lucid manner. A set of exercises at the end of each units to test the student’s comprehension is provided.

Some salient features of the book:

1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. The practical applications of the topics are discussed along with micro projects and activities for generating further curiosity as well as improving problem solving capacity.
3. Book provides lots of vital facts, concepts, principles and other interesting information.
4. QR Codes of video resources and websites to enhance use of ICT for relevant supportive knowledge have been provided.
5. Student and teacher centric course materials included in book in balanced manner.
6. Figures, tables, equations and comparative charts are inserted to improve clarity of the topics.
7. Objective questions and subjective questions are given for practices of students at the end of each unit.
8. Solved and unsolved problems including numerical examples are solved with systematic steps.

## Table Of Contents

---

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students,
- Overview of Electronic Components and Signals.
- Overview of Analog Circuits.
- Overview of Digital Electronics.
- Electric and Magnetic Circuits.
- AC Circuits.
- Transformer and Machines.
- Appendices
- Answer to Objective Questions
- Reference for Further Learning
- Co and PO Attainment Table
- Index

## Author

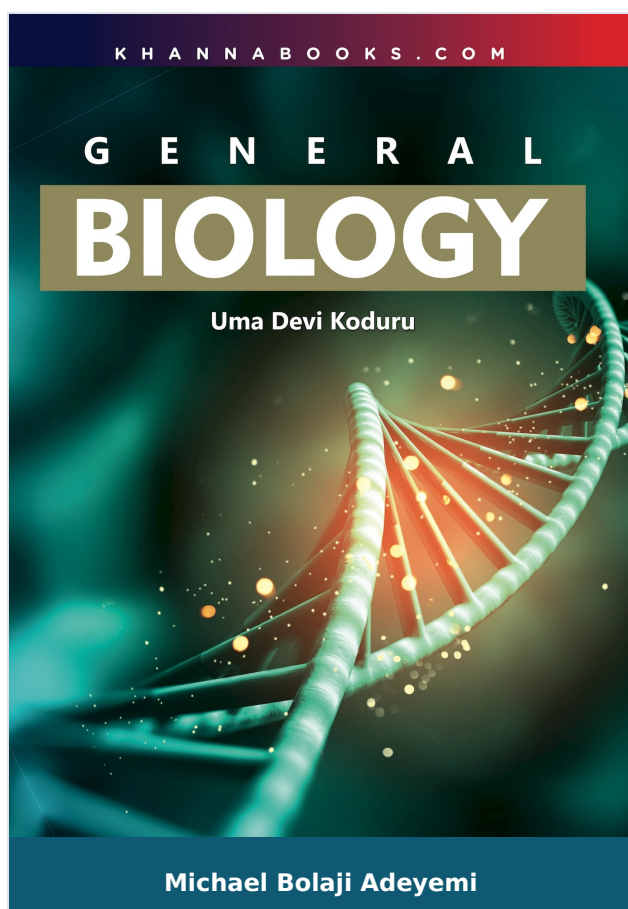
---

**Susan S. Mathew**

Susan S. Mathew

**Saji T. Chacko**

Saji T. Chacko </p>



## General Biology

|                         |                                                               |
|-------------------------|---------------------------------------------------------------|
| <b>Author :</b>         | Michael Bolaji Adeyemi                                        |
| <b>ISBN 13 :</b>        | 978-93-91505-02-8                                             |
| <b>ISBN 10 :</b>        | 9391505023                                                    |
| <b>E-ISBN 13 :</b>      | 978-93-91505-02-8                                             |
| <b>Edition :</b>        | First                                                         |
| <b>Pages :</b>          | 300                                                           |
| <b>Type of book :</b>   | Physical                                                      |
| <b>Year :</b>           | 2024                                                          |
| <b>Language :</b>       | English                                                       |
| <b>Publisher :</b>      | Khanna Publishing House                                       |
| <b>M.R.P :</b>          | Rs 525.00                                                     |
| <b>Categories :</b>     | <a href="#">Book Store, APPLIED SCIENCES &amp; HUMANITIES</a> |
| <b>Condition Type :</b> | New                                                           |
| <b>Country Origin :</b> | India                                                         |

## Product Description

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- Covers in toto the syllabus prescribed by AICTE and APSHE for the General Biology Course.
- Service as a textbook to guide the instructor.
- Suitable for self -study with explanatory stand-alone illustrations.
- Encompasses the entire breadth of topics in Biology.
- An Essential for students pursuing a basis course in Biology.
- Presents the topics in a style that can be comprehended by students from non-biology background.

## Table Of Contents

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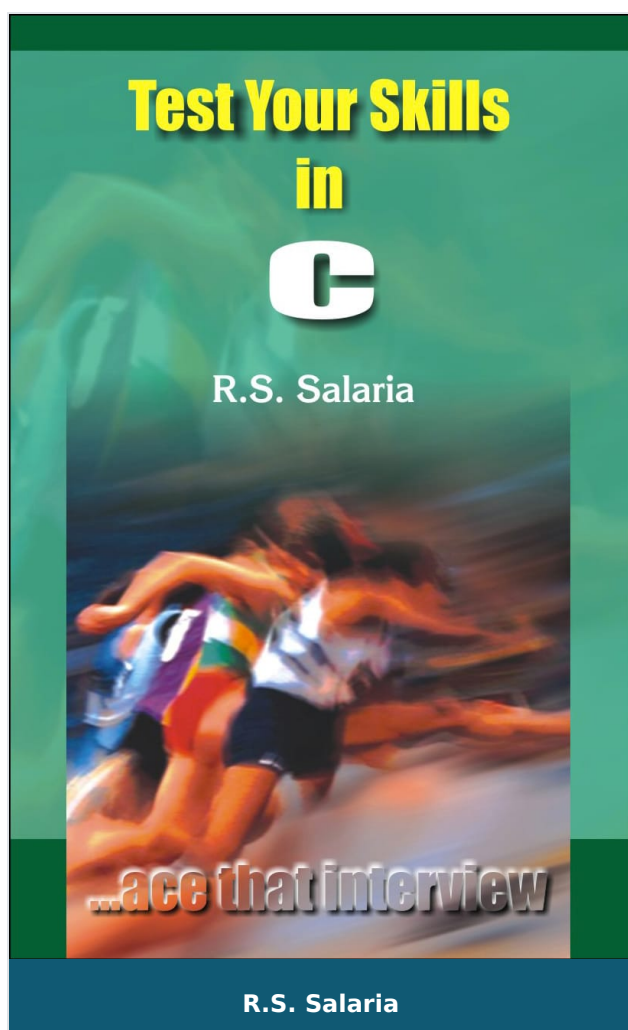
- Biology-An Exciting Science; Biomimicry
- Classification and Model Organisms
- Genetics
- Biomolecules
- Enzymes Information transfer in Living Organisms
- Protein Structure and Function
- Laws of Thermodynamics at Play in Metabolism
- Microbiology
- Biotechnology

## Author

---

**Michael Bolaji Adeyemi**

Michael Bolaji Adeyemi



## Test Your Skills in C

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| <b>Author :</b>         | R.S. Salaria                                     |
| <b>ISBN 13 :</b>        | 978-81-87325-49-9                                |
| <b>ISBN 10 :</b>        | 8187325496                                       |
| <b>E-ISBN 13 :</b>      | 978-81-87325-49-9                                |
| <b>Edition :</b>        | 1                                                |
| <b>Pages :</b>          | 304                                              |
| <b>Type of book :</b>   | Physical                                         |
| <b>Year :</b>           | 2016                                             |
| <b>Language :</b>       | English                                          |
| <b>Publisher :</b>      | Khanna Publishing House                          |
| <b>M.R.P :</b>          | Rs 125.00                                        |
| <b>Categories :</b>     | <a href="#">OBJECTIVE TYPE BOOKS, Book Store</a> |
| <b>Condition Type :</b> | New                                              |
| <b>Country Origin :</b> | India                                            |

## Product Description

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Since its inception, C has gained wide acceptance in industry and continues to enjoy the same. Even the modern languages, such as C++/java/C#, have been influenced by the success of C language. Therefore, If you are proficient in C language, it takes little time to graduate to languages. All IT companies want that students must be very good in conceptual knowledge of C language. This book gives an ample opportunity to you to test/ evaluate your skills in C. Plenty of multiple choice type questions. Plenty of true false type questions. Plenty of fill-in the blanks type questions. Plenty of short answer type questions.

## Table Of Contents

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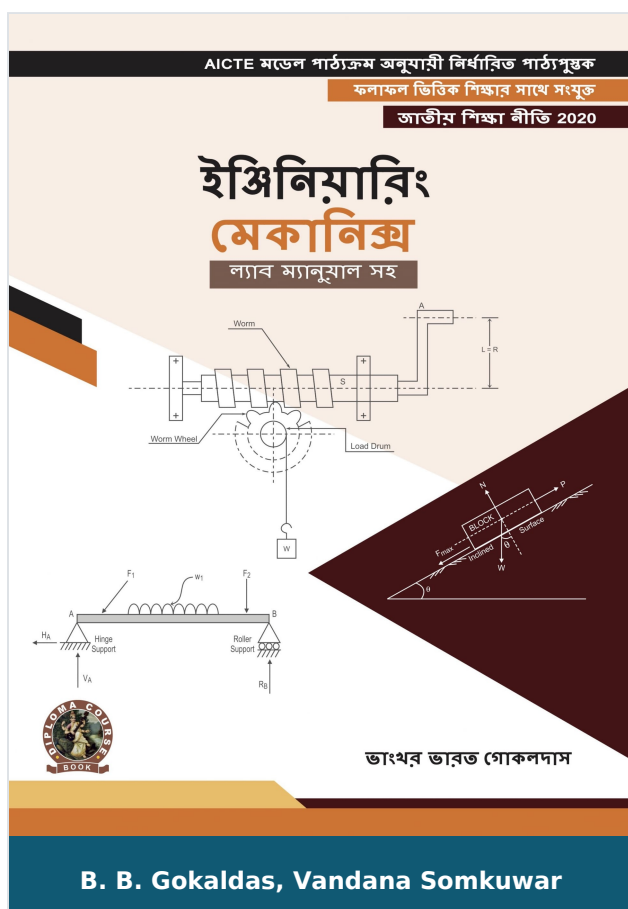
- Some Useful Tips
- Multiple Choice Type questions
- True-false type questions
- Fill-In The Blanks Type Questions
- Short answer type questions

## Author

---

### **R.S. Salaria**

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>



## Engineering Mechanics (with Lab Manual)

**Author :** B. B. Gokaldas, Vandana Somkuwar

**ISBN 13 :** 978-93-55381-50-7

**ISBN 10 :** 9355381506

**E-ISBN 13 :** 978-93-55381-50-7

**Edition :** First

**Pages :** 192

**Type of book :** Physical

**Year :** 2022

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 395.00

**Categories :** [AICTE Prescribed Textbooks,](#)  
[Bengali Books, Book Store,](#)  
[Ebooks](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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“Engineering Mechanics with Lab Manual” is a compulsory for the first year Diploma course in Engineering 7 Technology. Syllabus of this book is strictly align as per model curriculum of AICTE and academic content is amalgamate with the concept of Outcome based Education (OBE).

Book covers is five units- Basic mechanics & force system, Equilibrium, Friction, Centroid and Centre of gravity & simple lifting machine. Each unit written in every easy, systematic and orderly manner. Each unit contains a set of exercise at the end of each unit to test the student’s comprehension. Also in each unit the laboratory practical pertaining to unit is included.

Some salient features of the book:

1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
3. Student and teacher centric subject materials included in book with balanced and chronological manner.
4. Figures, tables, equations and activities are insert to improve clarity of the topics.
5. Objective questions, Short questions and long answer exercise given for practice of students after every unit.
6. Solved and unsolved problems including numerical examples taken with systematic steps.

## Table Of Contents

---

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students,
- Basic of Mechanics and Force System
- Equilibrium
- Friction
- Centroid and Centre of Gravity
- Centroid and Centre of Gravity
- Appendix
- Index

## Author

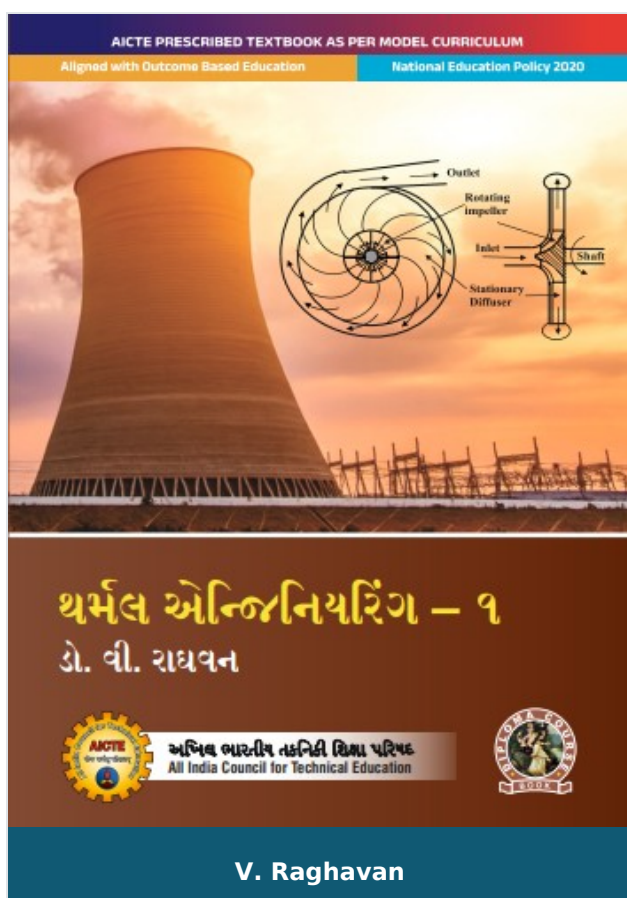
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**B. B. Gokaldas**

B. B. Gokaldas B. G. Gokaldas

**Vandana Somkuwar**

Vandana Somkuwar



## Thermal Engineering- I

**Author :** V. Raghavan

**ISBN 13 :** 978-93-55382-49-8

**ISBN 10 :** 9355382499

**E-ISBN 13 :** 978-93-55382-49-8

**Edition :** First

**Pages :** 268

**Type of book :** Physical

**Year :** 2026

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 425.00

**Categories :** [AICTE Prescribed Textbooks,](#)  
[Gujarati Books, Book Store](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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### Thermal Engineering- I

This book introduces various energy sources; fossil and renewable fuels, their properties, followed by other non-conventional sources such as nuclear and fuel cells. It discusses the types of heat engines; diesel engine, petrol engine, their working principle, components and standard thermodynamic cycles. The book provides insights of various system and IC engines such as fuel injection system, ignition system, lubricating system and also briefly covers governing of IC engines. Further this book provides basic insights of the important parameters to evaluate the performance of I.C. engines. Finally, useful discussions on the fundamentals of air compressors and their types, vapour compression refrigeration system, types of refrigerants, types of air conditioning, and seasonal air conditioning. This book also presents the method to conduct experiments for measuring Important properties used in the analysis.

### Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.

- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.

## Table Of Contents

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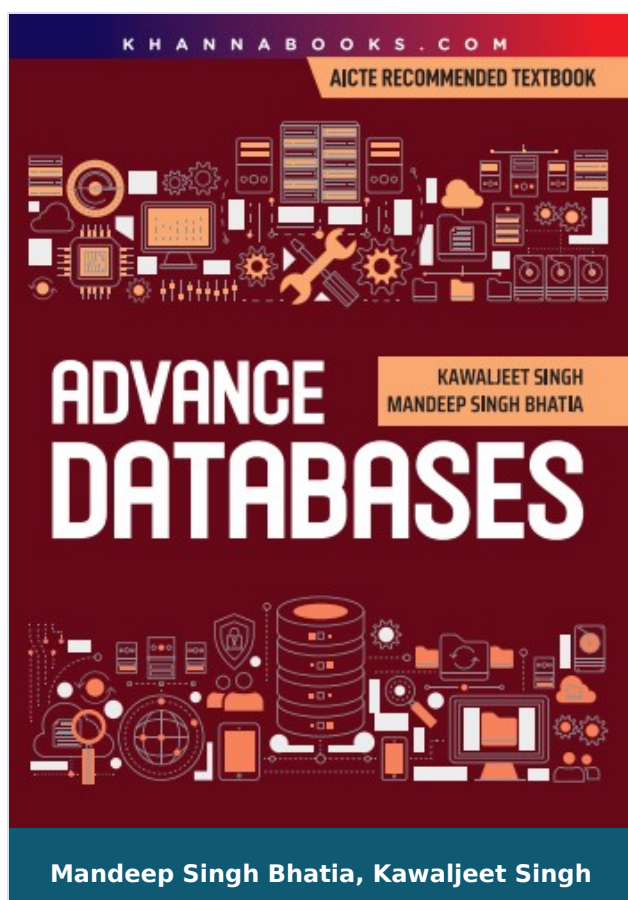
- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Sources of Energy.
- Internal Combustion Engines.
- C. Engine Systems.
- Performance of I.C. Engines.
- Air Compressors, Refrigeration & Air Conditioning
- CO and PO Attainment Table
- Index

## Author

---

**V. Raghavan**

Dr. V. Raghavan



## Advance Databases

**Author :** Mandeep Singh Bhatia, Kawaljeet Singh

**ISBN 13 :** 978-81-90675-82-6

**ISBN 10 :** 8190675826

**E-ISBN 13 :** 978-81-90675-82-6

**Edition :** 1

**Pages :** 360

**Type of book :** Physical

**Year :** 2025

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 595.00

**Categories :** [Computer Science Engineering,](#)  
[Book Store](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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This book provides a comprehensive introduction to database system concepts, design and their applications. Besides the introduction of the simple databases concepts; it also covers the advance databases concepts with latest developments and trends in database technology. Basic concepts of database management systems. Step-by-step information to the concepts of normalization with various normal forms. Relational database concepts such as relational algebra and relational calculus with simplified examples. Advance and emerging database concepts such as object oriented database, distributed database, data warehousing, OLAP and data mining. Exercises having long answer type question for university exams; MCQ's for competitive exams.

## Table Of Contents

---

- Rudiments of Databases
- Modelling Databases
- Normalization
- Relational Databases Concepts
- Database Security
- Essentials of SQL
- Transaction Processing
- Concurrency Control
- Backup and Recovery
- Overview of Advance Databases Concepts
- Data Warehousing
- Online Analytical Processing
- Data Mining

## Author

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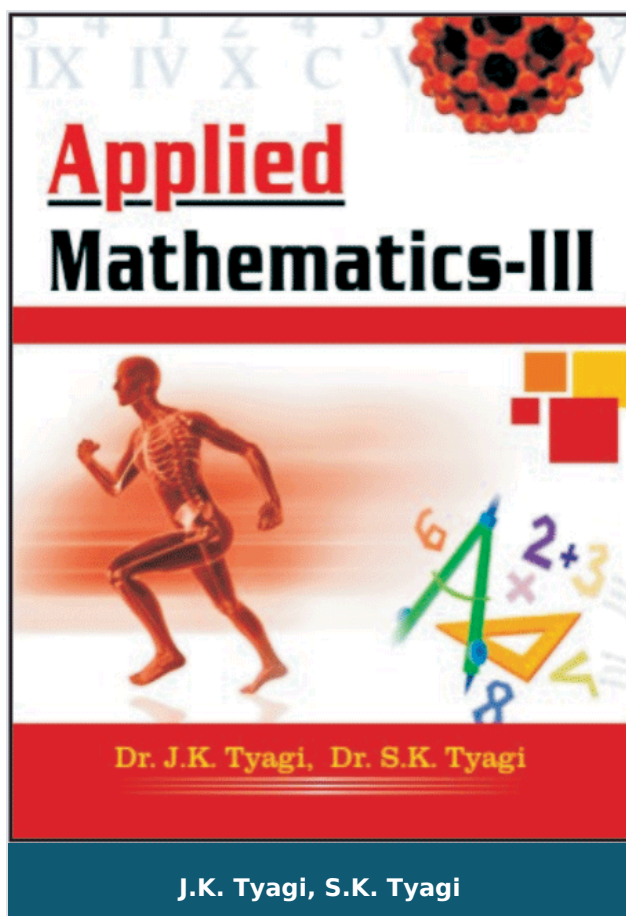
### **Mandeep Singh Bhatia**

Mr. Mandeep Singh Bhatia is presently working as Lecturer in Department of Computer Science & IT, Lyallpur Khansa College, Jalandhar. He is Master in Information Technology and has appropriate knowledge of Computer Software and Hardware. He is proficient in applying Data Mining Techniques in various fields. His subjects of interest are Data Warehousing, Data Mining, Computer Networks and Computer Hardware. His total teaching experience is of 5 years. He has written one research paper which has been published in the proceedings of international conference held at Austria. Other books by authore are: "Fundamentals of Computer Hardware" and "A Beginner's Guide to Visual

Basic 6".

#### **Kawaljeet Singh**

Dr. Kawaljeet Singh is presently working as Director, University Computer Centre, Punjab University, Patiala. He is also acting as Dean Faculty of Computer Application (Honorary) & member industry-institute formation of quality committee, PTU, Jalandhar. Earlier, he worked as Professor and Head, Department of Computer Science & Engineering, Guru Nanak Dev University, Regional Campus, Jalandhar. He was also the chairman board of both postgraduate and undergraduate (CSE) & Dean Faculty of Engineering & Technology, GNDU, Amritsar. His total teaching experience is of 18 years. He has written 3 books. His 11 research papers are published in national journal and one paper in international journal.



## Applied Mathematics-III

**Author :** J.K. Tyagi, S.K. Tyagi

**ISBN 13 :** 978-93-80016-23-8

**ISBN 10 :** 9380016239

**E-ISBN 13 :** 978-93-80016-23-8

**Edition :** 1

**Pages :** 288

**Type of book :** Physical

**Year :** 2012

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 210.00

**Categories :** [APPLIED SCIENCES & HUMANITIES, Book Store,](#)  
[APPLIED SCIENCES & HUMANITIES](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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The language is very simple and easily understandable. The approach is to communicate the practical aspects of mathematics in a way that drives out the common fear of learning any mathematical subject. A large number of solved and unsolved problems have been included. Topics are followed by figures and tables. The notations and terminology have been clearly explained wherever desirable. In each chapter, all concepts and definitions have been discussed in details with suitable examples.

## Table Of Contents

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- Partial Differently Equations
- Fourier Series
- Laplace Transformation
- Linear Programming

## Author

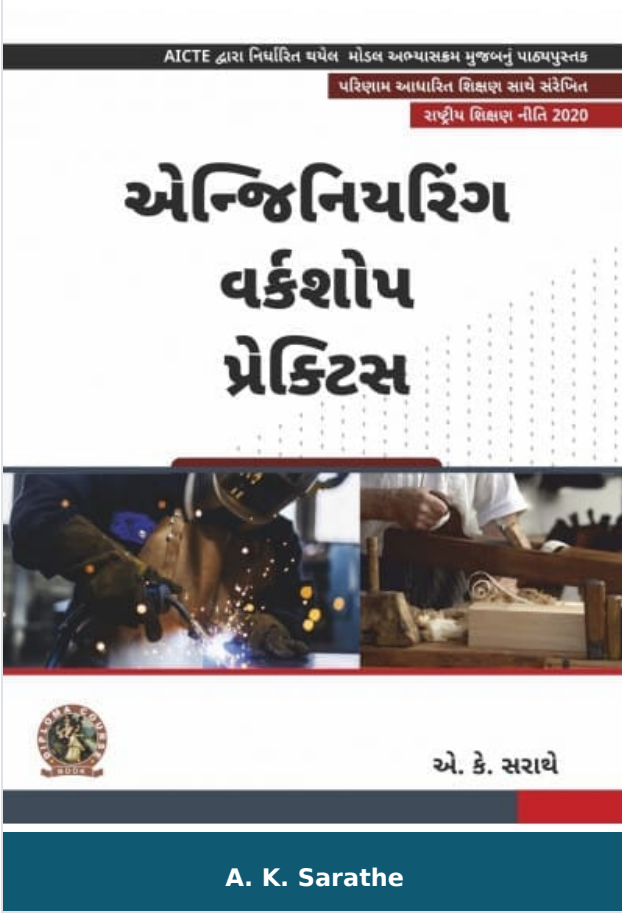
---

### **J.K. Tyagi**

Dr. J.K. Tyagi is Professor and head department of Applied Science, Maharaja Agarsain Institute of Technology Ghaziabad (U.P.)

### **S.K. Tyagi**

Dr. S.K. Tyagi is Senior Lecturer, Amity School of Engineering and Technology , Amity University, Noida (U.P.)



## Engineering Workshop Practice

|                         |                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | A. K. Sarathe                                                                                                        |
| <b>ISBN 13 :</b>        | 978-93-55380-35-7                                                                                                    |
| <b>ISBN 10 :</b>        | 9355380356                                                                                                           |
| <b>E-ISBN 13 :</b>      | 978-93-55380-35-7                                                                                                    |
| <b>Edition :</b>        | First                                                                                                                |
| <b>Pages :</b>          | 164                                                                                                                  |
| <b>Type of book :</b>   | Physical                                                                                                             |
| <b>Year :</b>           | 2023                                                                                                                 |
| <b>Language :</b>       | English                                                                                                              |
| <b>Publisher :</b>      | Khanna Publishing House                                                                                              |
| <b>M.R.P :</b>          | Rs 395.00                                                                                                            |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">Gujarati Books, Book Store,</a><br><a href="#">Ebooks</a> |
| <b>Condition Type :</b> | New                                                                                                                  |
| <b>Country Origin :</b> | India                                                                                                                |

## Product Description

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“Engineering Workshop Practice Manual” is a common paper for the first year Diploma course in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE and academic content is amalgamated with the concept of outcome based education. Engineering Workshop Practice manual covers five units- First unit deals with the carpentry, second unit is about fitting , third unit focuses on welding, fourth units discusses about sheet metal working and the fifth unit deals with electrical house wiring . The manual comprises of total seventeen workshop practical from P1 to P17 and the same are arranged in hierarchical manner from simple to complex so that students should not only focus on completing the practical and getting the marks/ grades but will also be motivated to create useful products incorporating their creative and critical thinking as well.

Some salient features of the book:

1. Content of the manual aligned with the mapping of Course Outcomes, Programs Outcomes and practical outcomes.
2. Relevant theory has been included at the beginning of each practical.
3. The manual has been developed to ensure alignment with the Outcome Based Education philosophy and consisting of total seventeen workshop practical.
4. Unit wise practical are arranged in hierarchical manner from simple to complex.
5. Manual provides recent information and QR Code for E-resources etc.
6. Figures, photographs and table are inserted to improve clarity of the content.

## Table Of Contents

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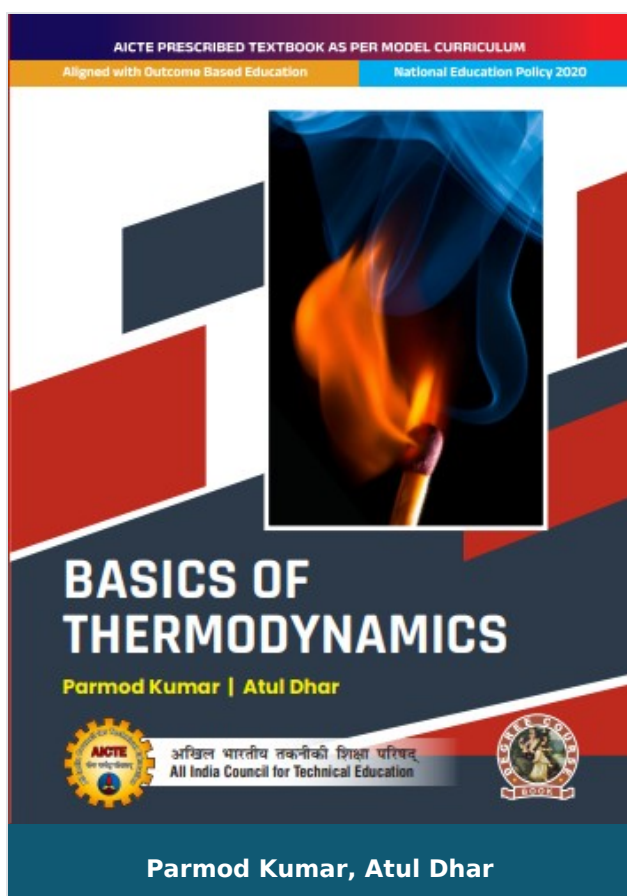
- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- List of tables Guidelines for Teachers,
- Guidelines for Students
- Carpentry
- Fitting
- Welding Tools and Equipment
- Sheet Metal Working
- Electrical House wiring
- Index

## Author

---

**A. K. Sarathe**

A. K. Sarathe



## Basics of Thermodynamics

**Author :** Parmod Kumar, Atul Dhar

**ISBN 13 :** 978-93-55386-25-0

**ISBN 10 :** 9355386257

**E-ISBN 13 :** 978-93-55386-25-0

**Edition :** First

**Pages :** 284

**Type of book :** Physical

**Year :** 2026

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 528.00

**Categories :** [AICTE Prescribed Textbooks,](#)  
[English Books, Book Store](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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### Basics of Thermodynamics

This book titled Basics of Thermodynamics introduces the subject from the theoretical concepts to its applications in different energy conversion devices. The content of the book is designed as per the model curriculum of AICTE and mandates of the National Education Policy (NEP) 2020. The content of the book is described in a manner that beginners can follow the concepts in comfortable and cohesive manner. The content of the book is developed for entry level undergraduate students; however, it can be used by practicing engineers and graduate students for the comprehensive learning of the subject.

#### Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

- Solved and unsolved problems including numerical examples are solved with systematic steps.

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- Second Law of Thermodynamics
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- Exergy
- Basic Power and Refrigeration Cycles
- Appendices
- CO and PO Attainment Table
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## Author

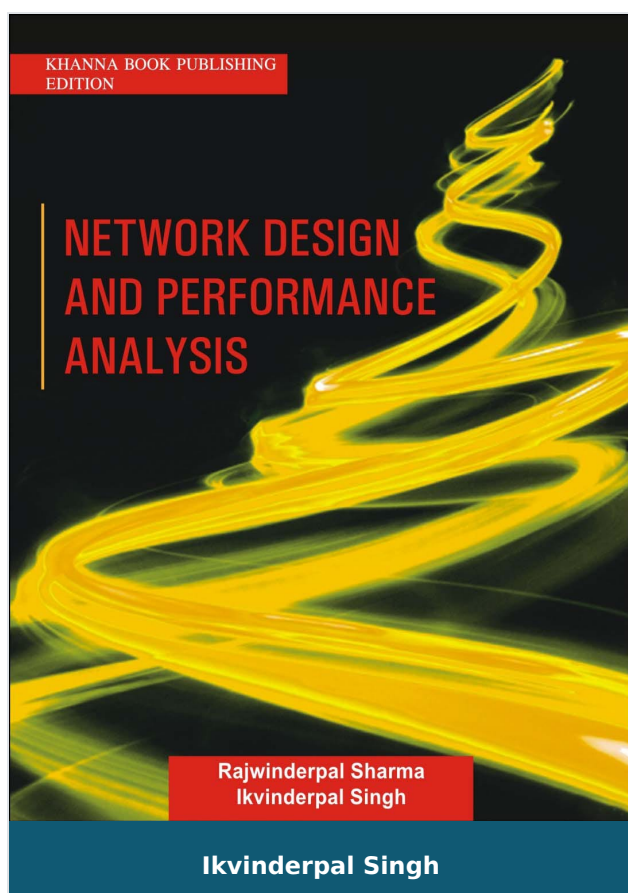
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## Network Design and Performance Analysis

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
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## Product Description

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Discusses on the introduction to requirements analysis and specifications. Detailed explanation of the Traffic Engineering & capacity planning. Provides a detailed treatment of network performance modeling. Covers the concept of choosing service provider, vendor and service levels. Design and architecture of access network design. Provides an extensive treatment of backbone network design. Covers the concept of security and designing for network. Detailed explanation of documentation and network management. Demonstrates the concept of the network optimization.

## Table Of Contents

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- Requirements Analysis and Specifications
- Traffic Engineering and Capacity Planning
- Network Performance Modeling
- Technology Comparisons
- Choosing Service Providers & Vendors & Service Levels
- Access Network Design
- Backbone Network Design
- Network Security
- Documentation and Network Management
- Network optimization

## Author

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