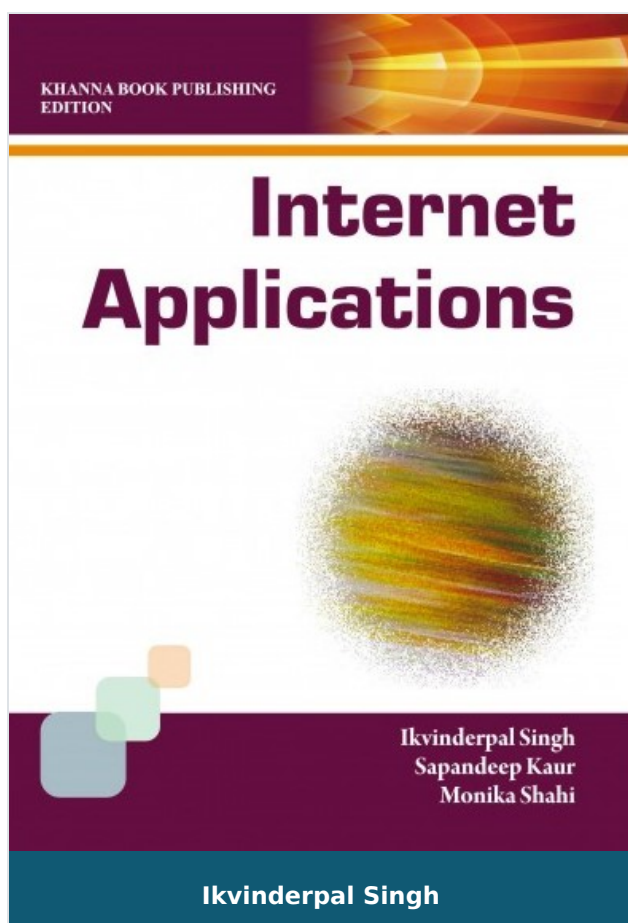




## Internet Applications

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| <b>Author :</b>         | Ikvinderpal Singh                                                           |
| <b>ISBN 13 :</b>        | 978-93-81068-39-7                                                           |
| <b>ISBN 10 :</b>        | 9381068399                                                                  |
| <b>E-ISBN 13 :</b>      | 978-93-81068-39-7                                                           |
| <b>Edition :</b>        | 1                                                                           |
| <b>Pages :</b>          | 680                                                                         |
| <b>Type of book :</b>   | Physical                                                                    |
| <b>Year :</b>           | 2011                                                                        |
| <b>Language :</b>       | English                                                                     |
| <b>Publisher :</b>      | Khanna Publishing House                                                     |
| <b>M.R.P :</b>          | Rs 395.00                                                                   |
| <b>Categories :</b>     | <a href="#">Computer Science Engineering,</a><br><a href="#">Book Store</a> |
| <b>Condition Type :</b> | New                                                                         |
| <b>Country Origin :</b> | India                                                                       |

## Product Description

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This book is meant for a wide range of readers, who wish to learn the basic concepts of internet applications. In the book we cover all basic concepts of internet of various Indian Universities in as systematic and simplified manner. While writing this book, it was kept in mind to include only the relevant topics so that it is useful both for learning and reference purpose. Internet application have been introduced from the first principles and discussed in an easy manner, so that a beginner can grasp the concepts of working of internet, E-mail, internet protocols, newsgroup, worldwide web, search engines, internet and extranet, web designing using HTML, DHTML with programming techniques.

## Table Of Contents

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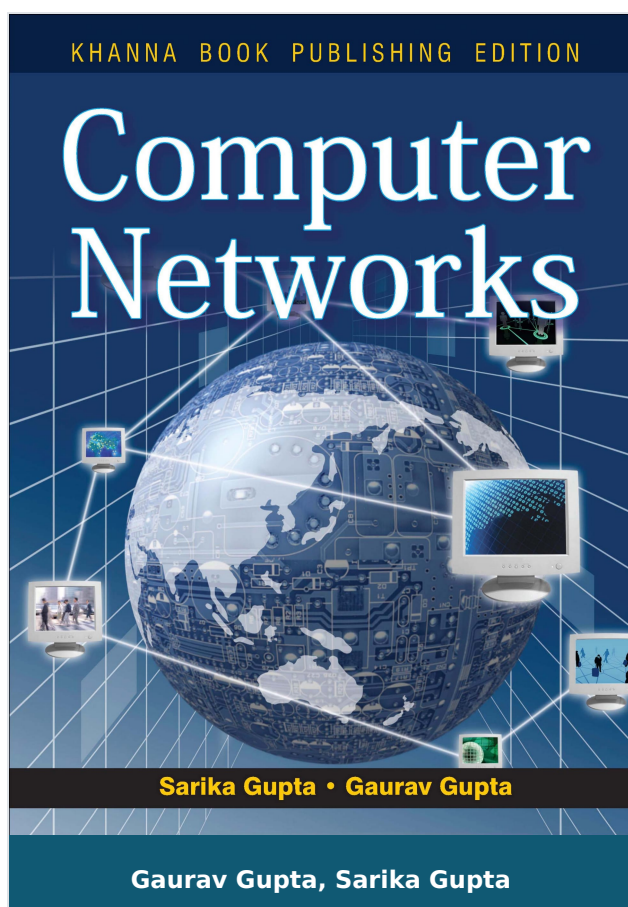
- Introduction
- E-mail
- Internet Protocols
- Usenet Newsgroups
- World Wide Web (WWW)
- HTML
- Forms in HTML
- Cascading Style Sheets (CSS)
- Javascript
- DHTML
- Search Engines
- Intranet & Extranet

## Author

---

### **Ikvinderpal Singh**

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.



## Computer Networks

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| <b>Author :</b>         | Gaurav Gupta, Sarika Gupta                                                  |
| <b>ISBN 13 :</b>        | 978-93-81068-25-0                                                           |
| <b>ISBN 10 :</b>        | 9381068259                                                                  |
| <b>E-ISBN 13 :</b>      | 978-93-81068-25-0                                                           |
| <b>Edition :</b>        | 1                                                                           |
| <b>Pages :</b>          | 518                                                                         |
| <b>Type of book :</b>   | Physical                                                                    |
| <b>Year :</b>           | 2021                                                                        |
| <b>Language :</b>       | English                                                                     |
| <b>Publisher :</b>      | Khanna Publishing House                                                     |
| <b>M.R.P :</b>          | Rs 525.00                                                                   |
| <b>Categories :</b>     | <a href="#">Computer Science Engineering,</a><br><a href="#">Book Store</a> |
| <b>Condition Type :</b> | New                                                                         |
| <b>Country Origin :</b> | India                                                                       |

**Khanna Publishing House**

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

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

## Product Description

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This text book is designed to meet the requirements of the students of postgraduate and undergraduate engineering students of various branches. The book offers the concise coverage of the computer network like Network Structure and Architecture, different protocols, switching methods, network layer, Transport Layers, Application layers. This book comprises of various realistic pictures in each of the chapter to give the real feel of the subject to the reader for better understanding.

## Table Of Contents

---

- Introduction to Networks
- Physical Layer and Transmission Media
- Data Link Layer
- Multiple Access Control Sublayer
- Introduction of Network Layers
- Introduction of Network Layers
- Transport Layer
- Cryptography
- Application Layer
- World Wide Web (WWW)
- Programs
- Interview Questions
- Model Papers
- Question Bank
- Question Papers
- Index

## Author

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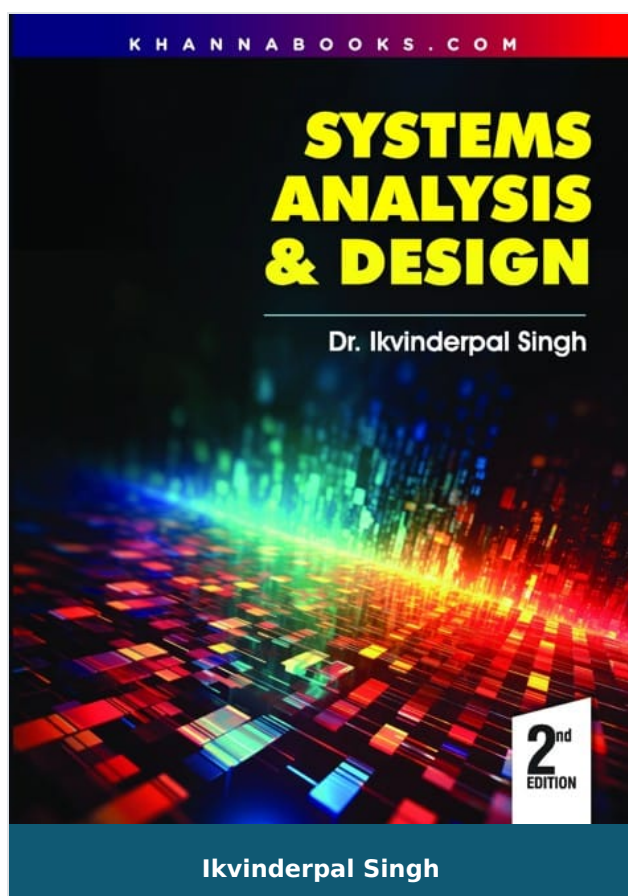
### Gaurav Gupta

Gaurav Gupta is currently working as Manager Client Services in an IT MNC. He has more than Nine years of corporate experience with different MNCs. He has published Research Papers in various international Journals and attended conferences at several states. His area of interest includes Server and Databases, Data Center technologies and IT infrastructure, Project Management, Marketing Automation and different enterprise

software's, CRM, ERP etc.

**Sarika Gupta**

Sarika Gupta Sarika Gupta is currently working as Assistant Professor in the Department of Computer Science and Engineering at Dronacharya College of Engineering, Greater Noida. She has more than six years of teaching and corporate experience. She has already published Research Papers in various international Journals and conferences of repute. Her area of interest and research includes AdHoc Network, Java, Object Oriented System and Soft Computing etc.



## Systems Analysis and Design

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| <b>Author :</b>         | Ikvinderpal Singh                                                           |
| <b>ISBN 13 :</b>        | 978-93-55389-78-7                                                           |
| <b>ISBN 10 :</b>        | 9355389787                                                                  |
| <b>E-ISBN 13 :</b>      | 978-93-55389-78-7                                                           |
| <b>Edition :</b>        | 2                                                                           |
| <b>Pages :</b>          | 648                                                                         |
| <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 699.00                                                                   |
| <b>Categories :</b>     | <a href="#">Computer Science Engineering,</a><br><a href="#">Book Store</a> |
| <b>Condition Type :</b> | New                                                                         |
| <b>Country Origin :</b> | India                                                                       |

## Product Description

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Systems analysis and design (SAD) is an exciting, active field in which analysts continually learn new techniques and approaches to develop systems more effectively and efficiently. However, there is a core set of skills that all analysts need to know no matter what approach or methodology is used. All information system projects move through the five phases of planning, analysis, design, implementation and maintenance; all projects require analysts to gather requirements, model the business needs, and create blueprints for how the system should be built; and all projects require an understanding of organizational behavior concepts like change management and team building. This book captures the dynamic aspects of the field by keeping students focused on doing SAD while presenting the core set of skills that we feel every systems analyst needs to know today and in the future. It also builds on our professional experience as systems analysts and on our experience in teaching SAD in the classroom.

## Table Of Contents

---

- System Analysis & Design
- System Development Life Cycle
- Requirement Analysis & Problem Definition
- Feasibility Study
- Information Gathering
- Cost Benefit Analysis
- System Analyst
- Input & Output Design
- System Design: Modular Approach
- System Design: Structured Approach
- Object-Oriented Design
- User-Interface Design
- Coding & Documentation
- System Testing
- System Testing Strategies
- System Quality
- System Maintenance & Supports Users

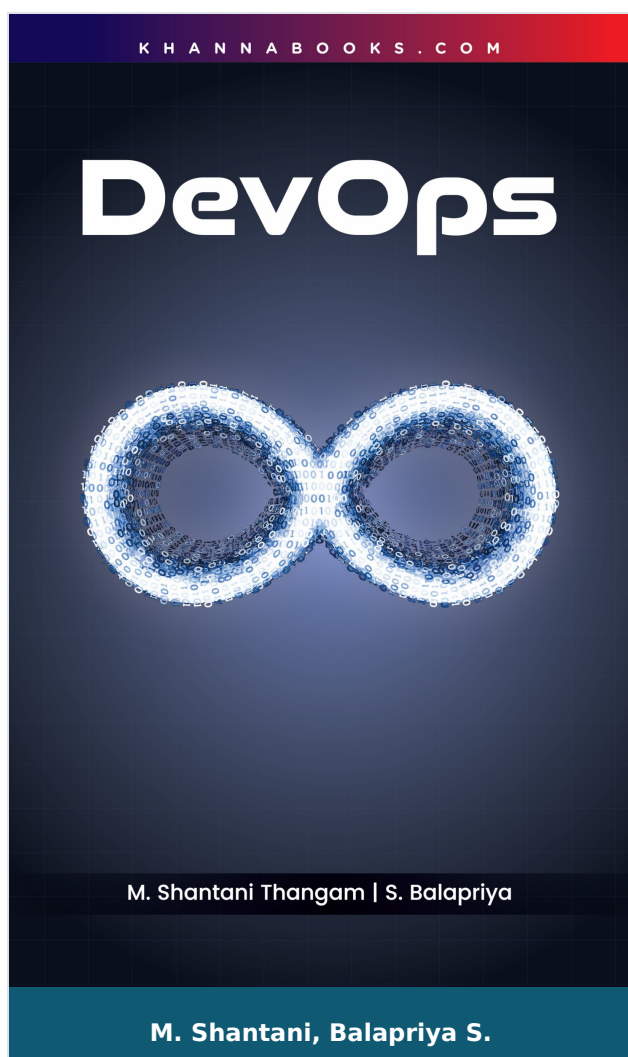
## Author

---

### **Ikvinderpal Singh**

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous

research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.



## Devops

|                         |                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | M. Shantani, Balapriya S.                                                                                                       |
| <b>ISBN 13 :</b>        | 978-93-55386-27-4                                                                                                               |
| <b>ISBN 10 :</b>        | 9355386273                                                                                                                      |
| <b>E-ISBN 13 :</b>      | 978-93-55386-27-4                                                                                                               |
| <b>Edition :</b>        | First                                                                                                                           |
| <b>Pages :</b>          | 200                                                                                                                             |
| <b>Type of book :</b>   | Physical                                                                                                                        |
| <b>Year :</b>           | 2026                                                                                                                            |
| <b>Language :</b>       | English                                                                                                                         |
| <b>Publisher :</b>      | Khanna Publishing House                                                                                                         |
| <b>M.R.P :</b>          | Rs 298.00                                                                                                                       |
| <b>Categories :</b>     | <a href="#">Computer Science Engineering,</a><br><a href="#">New Arrivals, Book Store,</a><br><a href="#">Sathyabama Series</a> |
| <b>Condition Type :</b> | New                                                                                                                             |
| <b>Country Origin :</b> | India                                                                                                                           |

## Product Description

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This book serves as your essential guide to the world of DevOps—the powerful blend of cultural philosophies, practices, and tools designed to close the gap between development and operations teams.

By laying out the fundamental principles and complete lifecycle of DevOps, this text will equip you with a core understanding of how modern organizations deliver applications and services at high velocity. You will learn how to transition from traditional methods to a seamless, automated workflow that enables teams to produce software faster and more reliably.

From Continuous Integration (CI) and Continuous Deployment (CD) to infrastructure automation and real-time monitoring, this book provides the foundational knowledge and practical insights needed to foster better collaboration, streamline processes, and achieve a state of continuous improvement.

### Salient Features:

- **DevOps Fundamentals:** Gain a clear overview of DevOps principles, including Customer-Centric Action, End-to-End Responsibility, and the core philosophy to "Automate Everything You Can".
- **The DevOps Life Cycle:** Deep-dive into the complete, iterative life cycle, covering the seven key stages: Plan, Code, Build, Test, Release, Deploy, Operate, and Monitor.
- **CI/CD Pipeline Mastery:** Learn the vital practices of Continuous Integration and Continuous Deployment/Delivery to ensure quick, automated, and frequent releases.
- **Core Concepts Explained:** Dedicated sections thoroughly cover essential building blocks like Version Control (using tools like Git/GitHub), Build Automation (using Jenkins, Maven), and Configuration Management (using Chef, Puppet, and Terraform).

- **Clear Distinctions:** Understand the key differences between DevOps and the Agile methodology, learning how DevOps complements Agile's iterative approach.
- **Essential Toolchain:** Get an overview of popular DevOps tools for containerization (Docker, Kubernetes), monitoring (Prometheus, Nagios), and automation, helping you choose the right technology for your pipeline.

## Table Of Contents

---

- Introduction to DevOps
- Agile Software Development
- Cloud Computing and AWS
- GIT and Configuration Management Tool
- Deployment and Monitoring Tool

## Author

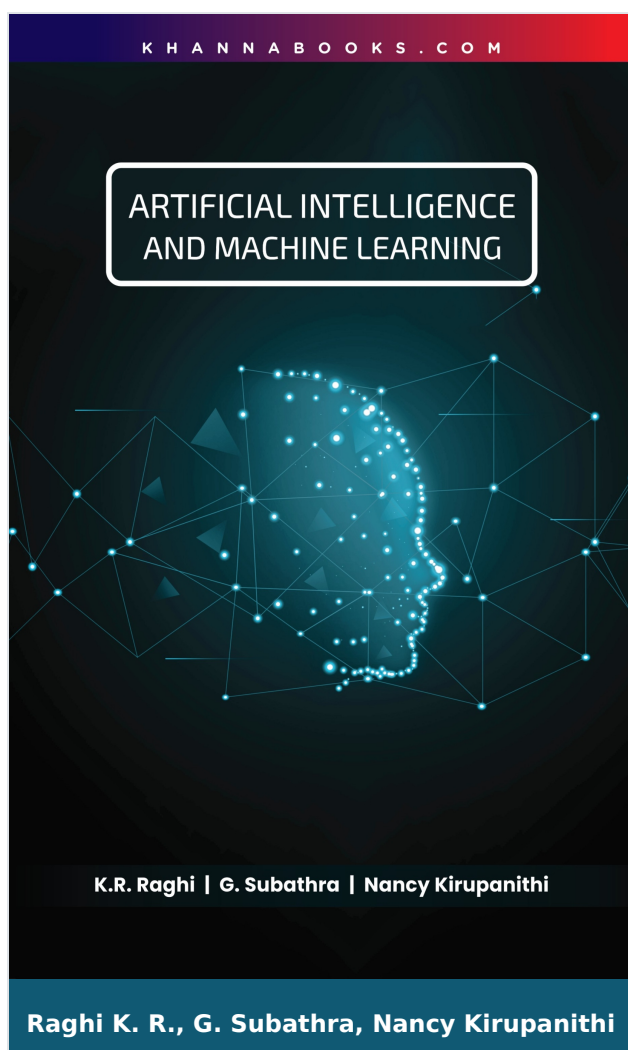
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**M. Shantani**

Shanthi Thangam M. Balapriya S.

**Balapriya S.**

Shanthi Thangam M. Balapriya S.



## Artificial Intelligence and Machine Learning

**Author :** Raghi K. R., G. Subathra, Nancy Kirupanithi

**ISBN 13 :** 978-93-55383-36-5

**ISBN 10 :** 9355383363

**E-ISBN 13 :** 978-93-55383-36-5

**Edition :** First

**Pages :** 96

**Type of book :** Physical

**Year :** 2026

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 148.00

**Categories :** [Computer Science Engineering,](#)  
[New Arrivals, Book Store,](#)  
[Sathyabama Series](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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Artificial Intelligence and Machine Learning serves as a comprehensive and indispensable guide to two of the 21st century's most transformative fields. Recognizing the remarkable growth of AI and ML, which influences nearly every aspect of modern life—from self-driving cars and virtual assistants to healthcare diagnostics and financial forecasting—this book is designed to provide a structured approach to mastering these complex technologies.

The core purpose of this text is to bridge the gap between theoretical foundations and practical implementations. It begins by establishing the fundamental concepts of Intelligent Agents, their structure, and their decision-making processes, followed by a thorough exploration of uninformed and heuristic search strategies like A\* search and optimization methods such as Simulated Annealing. The book then transitions to the heart of learning systems, covering essential Supervised and Unsupervised Learning paradigms, Neural Networks, and techniques to mitigate deep learning challenges like the Vanishing Gradient Problem. Crucially, it dedicates an entire unit to the Design and Analysis of ML Experiments, teaching readers how to validate models rigorously using K-Fold Cross-Validation and statistical tests.

This resource is tailored for a diverse audience, including students, aspiring data scientists, software engineers, and academic researchers, providing the valuable insights necessary to foster innovation and shape the future of intelligent systems. It simplifies daunting topics through easy-to-understand explanations, supplemented by real-world examples and case studies, making AI and ML accessible to all levels of expertise.

### Salient Features:

- **Intelligent Agent Core:** Define the core components and types of intelligent agents (Simple Reflex, Model-Based, Goal-Based, Utility-Based), and analyze their structure and

decision-making processes.

- **Advanced Search Methods:** Explore heuristic search (A\*) and optimization techniques like Hill Climbing and Simulated Annealing for navigating complex, large-scale problem spaces.
- **Learning Paradigms:** Detailed coverage of Supervised and Unsupervised Learning, along with the principles of PAC Learning and handling Model Selection and Generalization.
- **Deep Network Architectures:** A unit dedicated to Neural Networks, explaining Multilayer Perceptrons and addressing deep learning challenges like the Vanishing Gradient Problem with solutions like ReLU and Dropout.
- **Optimization Techniques:** In-depth exploration of network training using Gradient Descent and Error Backpropagation, covering advanced optimization methods like Stochastic Gradient Descent for efficiency.
- **Experimental Design:** Essential unit on the rigor of ML development, including guidelines for experiments, K-Fold Cross Validation, Bootstrapping, and using statistical tests for model comparison.
- **Real-World Applications:** Illustrated examples of ML in practice, including Self-Driving Cars, Healthcare Diagnosis, and Personalized Recommendation Systems, showing technology's transformative impact.

## Table Of Contents

---

- Intelligent Agents
- Problem Solving
- Introduction to Machine Learning
- Natural Networks
- Design and Analysis of Machine learning Experiments

## Author

---

### **Raghi K. R.**

Raghi.K.R Subathra.G Nancy Kirupanithi

### **G. Subathra**

Raghi.K.R Subathra.G Nancy Kirupanithi

### **Nancy Kirupanithi**

Nancy Kirupanithi



## Applied Chemistry (with Lab Manual)

**Author :** Anju Rawlley, D. V. Saraf

**ISBN 13 :** 978-93-91505-93-6

**ISBN 10 :** 9391505937

**E-ISBN 13 :** 978-93-91505-93-6

**Edition :** 1

**Pages :** 304

**Type of book :** Physical

**Year :** 2023

**Language :** English

**Publisher :** Khanna Publishing House

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

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

**Condition Type :** New

**Country Origin :** India

## Product Description

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This text book of “Applied Chemistry” is development as per AICTE model curriculum ,2018, for compulsory course on Applied Chemistry of first years Diploma Program in Engineering and Technology. Atomic Structure, Chemical Bonding & Solution, Water, Engineering Materials, Chemistry of fuels & Lubricants and Electrochemistry are the five units of this book, comprising of both practical and theory.

Some salient features of the book:

1. Course Outcomes and Unit Outcomes are written specifically and are mapped with program Outcomes.
2. Utmost care have been taken to amalgamate the philosophy of outcome based education.
3. The structure of the textbook is comprehensive, where in practical exercises are integral part of each unit.
4. The text is presented in a very simple way with illustrations, examples, tables, flow chart, self -assessment questions and their solutions.
5. Micro projects, points/issue for the creative inquisitiveness & curiosity, know more, video links, case study and summary points are integral part of each unit to facilitate the students to develop the attitude of scientific inquiry, investigate the cause and effect relationship, systematic, scientific & logical thinking , ability to observe, analyse and interpret.
6. To meet the requirement of outcome based education (OBE) and outcome based assessment (OBA), criterion referenced testing (CRT) have been used as an integral part of assessment in each practical.

7. Sample QR codes have been provided in each units on some topics/sub topics for supplementary reading and reinforcing the learning.

## Table Of Contents

---

- Foreword
- Acknowledgement
- Preface
- Outcomes Based Educations
- Course Outcomes Abbreviations and Symbols
- List of Figures List of Tables
- Guidelines for Teachers
- Guidelines for students
- Atomic Structure, Chemical Bonding and Solutions
- Water
- Engineering Materials
- Chemistry of Fuels and Lubricants
- Electro Chemistry

## Author

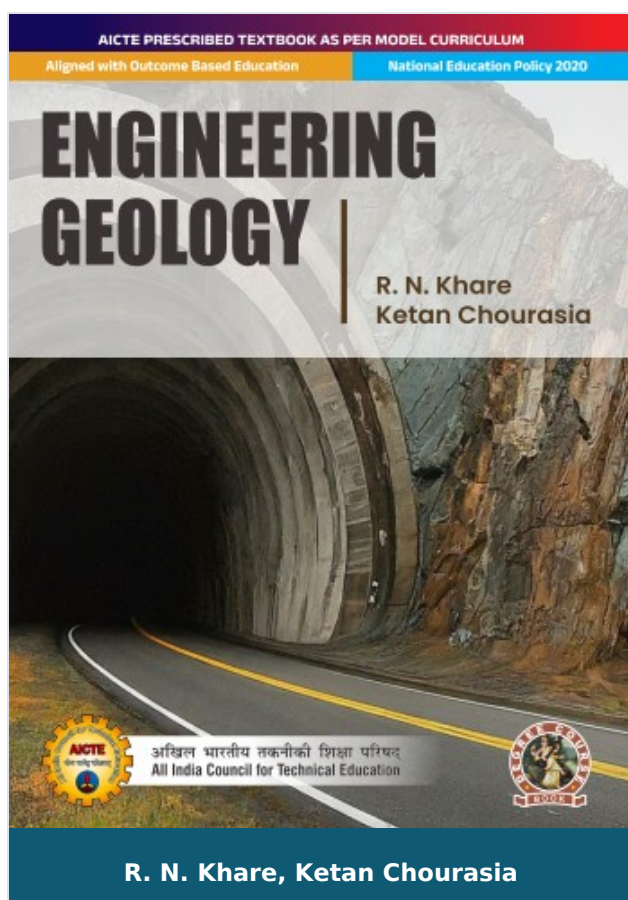
---

**Anju Rawlley**

Anju Rawlley Devdatta Vinayakarao Saraf

**D. V. Saraf**

D. V. Saraf



## Engineering Geology

|                         |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| <b>Author :</b>         | R. N. Khare, Ketan Chourasia                                                             |
| <b>ISBN 13 :</b>        | 978-93-55384-66-9                                                                        |
| <b>ISBN 10 :</b>        | 9355384661                                                                               |
| <b>E-ISBN 13 :</b>      | 978-93-55384-66-9                                                                        |
| <b>Edition :</b>        | First                                                                                    |
| <b>Pages :</b>          | 396                                                                                      |
| <b>Type of book :</b>   | Physical                                                                                 |
| <b>Year :</b>           | 2026                                                                                     |
| <b>Language :</b>       | English                                                                                  |
| <b>Publisher :</b>      | Khanna Publishing House                                                                  |
| <b>M.R.P :</b>          | Rs 748.00                                                                                |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">English Books, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                      |
| <b>Country Origin :</b> | India                                                                                    |

## Product Description

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### Engineering Geology

The book titled “Engineering Geology” is an outcome of the rich experience of our teaching of basic Engineering Geology courses. The initiation of writing this book is to expose applied science to the civil, mining and metallurgical engineering students; the fundamentals of geology will enable them to get an insight of the subject. Keeping in mind the purpose of wide coverage as well as to provide essential supplementary information, we have included the topics recommended by AICTE, in a very systematic and orderly manner throughout the book. Efforts have been made to explain the fundamental concepts of the subject in the simplest possible way.

### Salient Features:

- **Comprehensive Coverage:** Provides a thorough understanding of engineering geology principles, vital for tackling real-world challenges.
- **Practical Applications:** Bridges theory with practice, equipping students with the skills needed to address geological issues in professional settings.
- **Visual Enhancements:** Rich with illustrations, diagrams, and photographs to facilitate deeper comprehension of geological concepts.
- **Case Studies:** Offers real-life examples and case studies to contextualize theoretical knowledge and enhance learning.
- **Exercises and Assessments:** Includes a variety of exercises and assessments to reinforce learning and gauge understanding.
- **Know More:** Designed to supplement information beyond the syllabus for the beneficial of users of the book.

## Table Of Contents

---

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines For Teachers
- Guidelines For Students
- List Of Figures
- Introduction to Engineering Geology
- Indian Geomorphology and The Construction Industry
- Physical Geology
- Study of Minerals
- Study of Rocks
- Rock Deformation
- Stratigraphy of India
- Hydrogeology
- Geology Hazards
- Engineering Properties of Rocks and Rock Mass Classification
- Geological Investigations for Utility Structures
- Geophysical Investigations in Civil Engineering
- Appendices
- Annexures
- References for Further Learning

- CO and PO Attainment Table
- Index

## Author

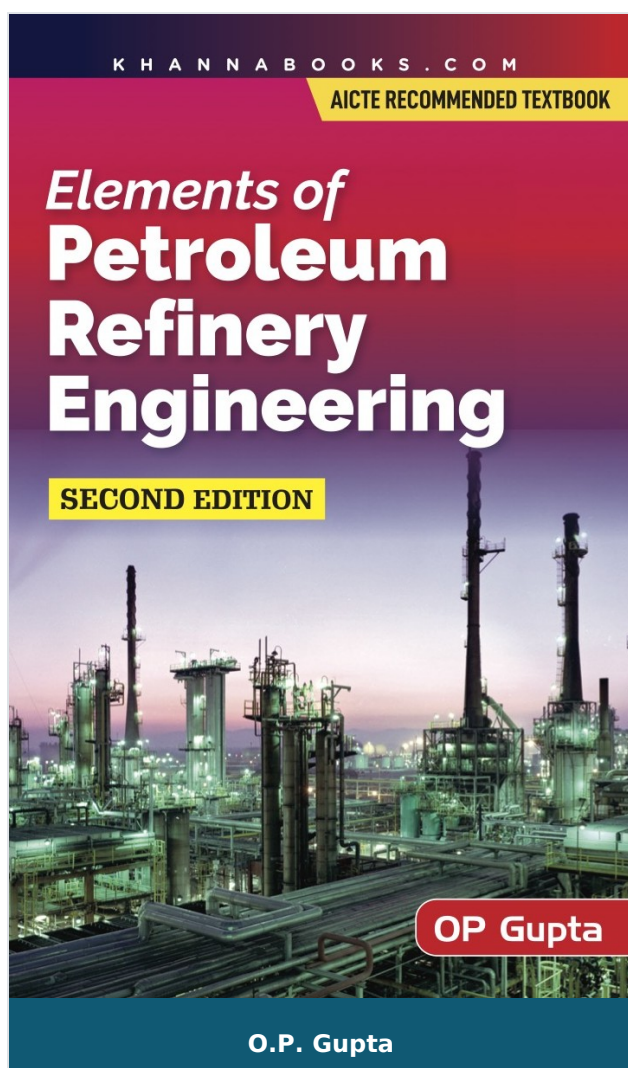
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### **R. N. Khare**

Dr. R. N. Khare Principal & Professor Department of Civil Engineering Vishwavidyalaya  
Engineering College Ambikapur

### **Ketan Chourasia**

Dr. R. N. Khare Principal & Professor Department of Civil Engineering Vishwavidyalaya  
Engineering College Ambikapur



## Elements of Petroleum Refinery Engineering

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | O.P. Gupta                                                                                                                                               |
| <b>ISBN 13 :</b>        | 978-93-82609-72-8                                                                                                                                        |
| <b>ISBN 10 :</b>        | 9382609725                                                                                                                                               |
| <b>E-ISBN 13 :</b>      | 978-93-82609-72-8                                                                                                                                        |
| <b>Edition :</b>        | 2                                                                                                                                                        |
| <b>Pages :</b>          | 492                                                                                                                                                      |
| <b>Type of book :</b>   | Physical                                                                                                                                                 |
| <b>Year :</b>           | 2025                                                                                                                                                     |
| <b>Language :</b>       | English                                                                                                                                                  |
| <b>Publisher :</b>      | Khanna Publishing House                                                                                                                                  |
| <b>M.R.P :</b>          | Rs 365.00                                                                                                                                                |
| <b>Categories :</b>     | <a href="#">Chemical Engineering,</a><br><a href="#">UNIVERSITY RECOMMENDED,</a><br><a href="#">Petroleum Engineering, Book</a><br><a href="#">Store</a> |
| <b>Condition Type :</b> | New                                                                                                                                                      |
| <b>Country Origin :</b> | India                                                                                                                                                    |

**Khanna Publishing House**

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

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

## Product Description

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This book is prepared in a simple, lucid & easy understandable language with special emphasis on crude oil refining technologies and scenario in Indian context. This book is meant for the students, teachers, practicing engineer, consultants and policy makers on petroleum refining. Extensive use of Internet resources has been made in gathering the relevant information and the subject matter has been presented in a simple lucid manner for easy understanding of the subject.

This book is targeted to benefit the following:

1. Diploma in engineering students.
2. Degree in engineering students (B. Tech ( Chemical Engineering,) B. Tech (Petroleum Engineering, B. Tech ( Petrochemical Engineering), B. Tech ( Aeronautical Engineering), AMIE, AMIICHE, Students etc.
3. Tech students of various disciplines pursuing courses on petroleum refining.
4. Faculty members/ Teaching staff of Engineering colleges/IIT's/NIT's etc.
5. Practicing petroleum engineers/consultants/refiners in various private sector/ public sector undertakings, state/ central government departments, NGO's etc.
6. Students of foreign universities of developing countries pursuing diploma/ degree/ postgraduate courses in various engineering disciplines having a paper in petroleum refinery engineering.
7. The scope and coverage of the subject matter presented can be gauged from glancing the contents portion of the book to judge its suitability and relevance for a particular target group.

## Table Of Contents

---

- Preface
- Definition
- Abbreviations
- Origin, Composition, Classification, Pretreatment & Transportation of Petroleum Crude Oil
- Indian Crude Oil & Oil Refineries
- Processing of Crude Oil-Refinery Operation & Products
- Thermal and Catalytic Cracking
- Thermal and Catalytic Reforming
- Polymerisation Alkylation and Isomerisation Processes
- Purification of Petroleum Products
- Properties of Petroleum Products
- Requisites of Good Quality Petroleum Products
- Storage and Handling of Petroleum Product
- General Appendix
- Objective Type Q&A in Petroleum Refinery
- References/ Bibliography/Further Reading
- Subject Index

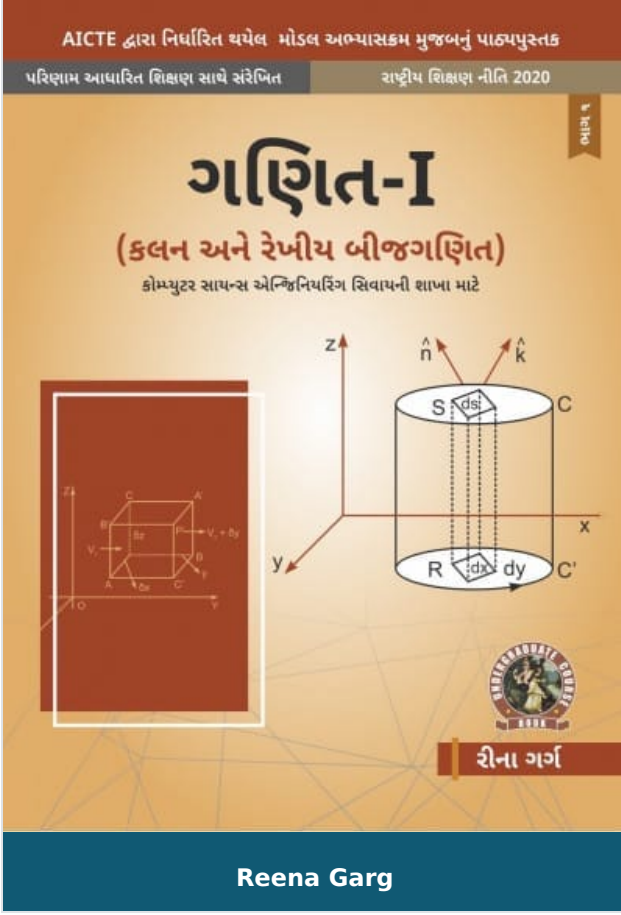
## Author

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### **O.P. Gupta**

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T

kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.



## Mathematics - I (Calculus and Linear Algebra) For Non-Computer Science Engineering Branches

|                  |                                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------|
| Author :         | Reena Garg                                                                                                             |
| ISBN 13 :        | 978-93-55381-69-9                                                                                                      |
| ISBN 10 :        | 9355381697                                                                                                             |
| E-ISBN 13 :      | 978-93-55381-69-9                                                                                                      |
| Edition :        | First                                                                                                                  |
| Pages :          | 656                                                                                                                    |
| Type of book :   | Physical                                                                                                               |
| Year :           | 2023                                                                                                                   |
| Language :       | English                                                                                                                |
| Publisher :      | Khanna Publishing House                                                                                                |
| M.R.P :          | Rs 395.00                                                                                                              |
| Categories :     | <a href="#">AICTE Prescribed Textbooks</a> ,<br><a href="#">Gujarati Books, Book Store</a> ,<br><a href="#">Ebooks</a> |
| Condition Type : | New                                                                                                                    |
| Country Origin : | India                                                                                                                  |

## Product Description

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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.
- Core concepts are presented through a large number of solved graded model examples in an innovative and lucid manner.
- A good number of relatively competitive problems are given at the end of each unit in the form of short questions, HOTS, assignments, MCQs and know more for student's practices purpose. Practical /Projects/ Activity also given in each unit for enhancing the

student's capability, to increase the feeling of team work.

- To clarify the subject, the text has been supplemented through Notes, Observations and Remarks; an attempt has been made to explain the topic through maximum use of geometries wherever possible.
- Some standard problems with sufficient hints have been included in each exercise to gauge the student's visual understanding and for grasp the theory.
- Video links, interesting facts, uses of ICT also included after each topic in every unit for easy understanding of the readers. Also included the pictorial representations of many topics for fast and permanent grasping of the content.

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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.



## Mathematics-I (Calculus and Linear Algebra) for Non Computer Science Engineering Branches

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Calculus and Linear Algebra covers all the modules prescribed by AICTE model curriculum to all the 1st year CSE students 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, algebra and vector spaces 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. Professional 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.

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