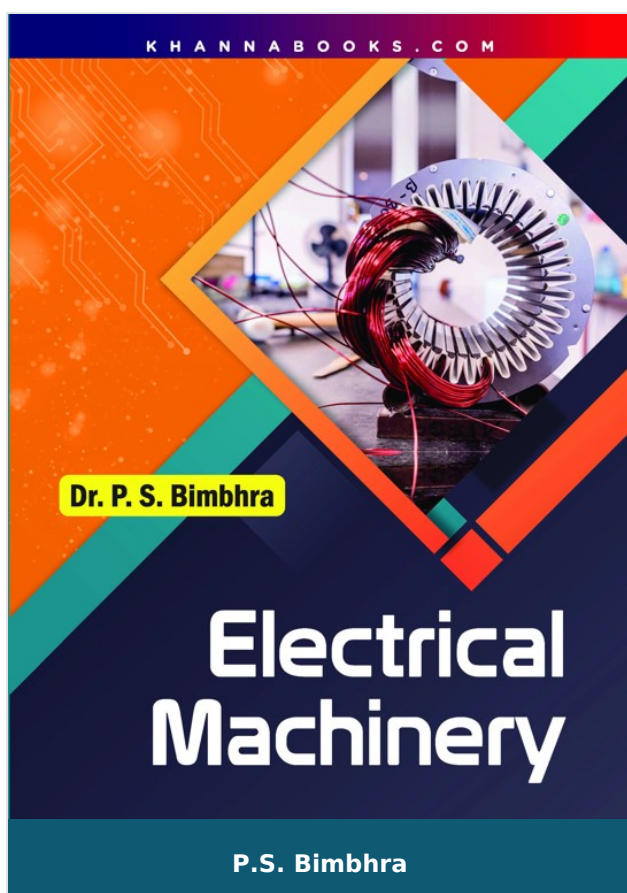




Electrical Machinery

Author :	P.S. Bimbhra
ISBN 13 :	978-93-89139-15-0
ISBN 10 :	9389139155
E-ISBN 13 :	978-93-89139-15-0
Edition :	First
Pages :	1084
Type of book :	Physical
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	Electrical, Electronics & Communication Engineering, Hardbound Books, Book Store
Condition Type :	New
Country Origin :	India

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

Product Description

This thoroughly revised and updated edition presents a rigorous and comprehensive treatment of transformers and more common types of rotating electrical machine types. Each chapter begins with rudimentary concepts and is so developed that an average student can easily comprehend it. The salient features of this book are :

In-depth coverage of transformers, dc machines, 3-phase synchronous, and induction machines.

Highlights that electrical machines operate on the same basic principles.

Devotes a chapter on electromechanical-energy conversion principles and another on dc/ac machine windings.

Drive aspects and applications are discussed for each machine type.

Clarity of presentation is enhanced by illustrative figures and examples selected from question-papers of important Universities, IAS, IES, and GATE.

Includes numerous problems, conceptual questions and objective-type questions (with answers) to help the reader master the basic concepts.

This edition includes a chapter on “basic principles of electrical machines.”

All these features contribute towards making this book an ideal text for undergraduate students of degree classes. Practicing engineers, through self-study, will also find this volume useful to them.

Table Of Contents

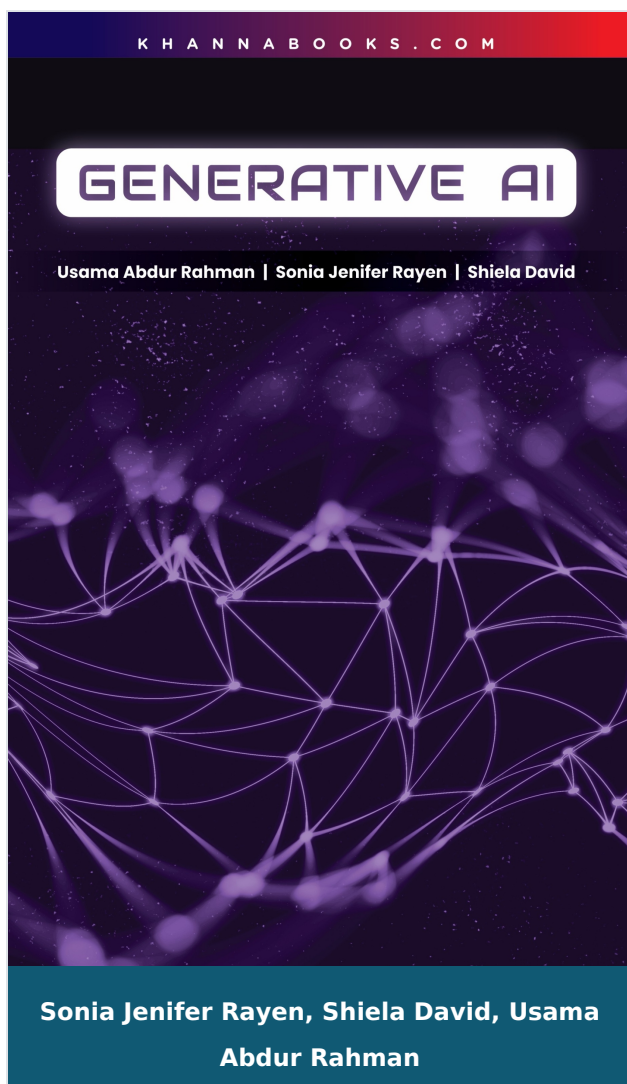
- Basic Principles of Electrical Machines
- Transformers
- Electromechanical Energy Conversion Principles
- Basic Concepts of Rotating Electrical Machines
- D.C. Machines
- Polyphase Synchronous Machines
- Chapter
- Polyphase Induction Motors
- Armature windings
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- APPENDIX - B:
- Three-Phase Circuits
- APPENDIX - C:
- Objective Type Questions
- APPENDIX - D:
- Short-Answer Type Questions
- APPENDIX - E: Index

Author

P.S. Bimbhra

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his

M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.



Generative AI

Author :	Sonia Jenifer Rayen, Shiela David, Usama Abdur Rahman
ISBN 13 :	978-93-55387-42-4
ISBN 10 :	9355387423
E-ISBN 13 :	978-93-55387-42-4
Edition :	First
Pages :	112
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 248.00
Categories :	Computer Science Engineering, New Arrivals, Book Store, Sathyabama Series
Condition Type :	New
Country Origin :	India

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

Product Description

Generative AI (Gen AI) has rapidly evolved from a theoretical concept into a transformative technology capable of simulating human creativity, generating content, producing innovative ideas, and enabling autonomous decision-making. This book serves as a comprehensive and structured guide to understanding the foundations, architectures, applications, and future directions of Generative Artificial Intelligence. Designed for students, researchers, professionals, and technology enthusiasts, it provides both theoretical insights and practical perspectives on one of the most influential fields in modern computing.

The text begins by tracing the historical evolution of Artificial Intelligence, highlighting key milestones that shaped the development of machine learning and intelligent systems. It then builds a strong conceptual foundation by introducing Neural Networks and the revolutionary Transformer Architecture, which forms the backbone of modern generative systems. Special emphasis is placed on the Attention Mechanism, encoder-decoder architectures, and the emergence of Large Language Models (LLMs) that power advanced conversational and content-generation systems.

Beyond foundational concepts, the book explores advanced generative techniques such as Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs), explaining their architectures, workflows, and practical applications. Readers gain insights into how generative models create realistic text, images, and multimedia content, while also understanding the principles behind AI Agents, prompt engineering, and modern AI development frameworks.

The practical relevance of Generative AI is demonstrated through extensive real-world applications across healthcare, finance, manufacturing, software engineering, media, and entertainment. The text also addresses critical contemporary topics including model

evaluation metrics, ethical considerations, responsible AI development, and emerging innovations such as Quantum AI and Neuromorphic Computing. By combining academic rigor with practical implementation, this book provides a complete roadmap for mastering the rapidly evolving landscape of Generative Artificial Intelligence.

Salient Features:

- **Foundational AI Concepts:** Provides a detailed overview of the history and evolution of Artificial Intelligence, establishing a strong foundation in neural networks, machine learning, and the development of generative technologies.
- **Transformer Architecture Deep Dive:** Thoroughly explains Transformer Models, the Attention Mechanism, and the distinctions between encoder-based architectures (such as BERT) and decoder-based Large Language Models.
- **Large Language Model Mastery:** Covers the principles, architectures, and applications of LLMs, including their use in natural language processing, content generation, summarization, translation, and conversational AI systems.
- **Advanced Generative Models:** Presents comprehensive coverage of Variational Autoencoders (VAEs) and Generative Adversarial Networks (GANs), detailing their components, workflows, training methodologies, and practical applications.
- **Practical AI Agents & Frameworks:** Introduces AI Agents and modern development frameworks such as Lang Chain, enabling readers to build scalable and production-ready Generative AI applications.
- **Cross-Industry Applications:** Demonstrates the transformative impact of Generative AI across multiple sectors, including healthcare, manufacturing, finance, software development, and digital media.
- **Model Evaluation Techniques:** Explains important evaluation metrics such as Perplexity, BLEU Score, and ROUGE Score, helping readers assess and benchmark the performance of generative and language models.

- Future & Ethical Directions: Explores emerging topics including Multimodal AI, prompt optimization techniques (Top-K and Top-P sampling), ethical AI practices, Quantum AI, and Neuromorphic Computing.

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- Introduction to Generative AI
- Transformer
- Large Language Models (LLMs)
- Image Generation
- Model Evaluation and Future of Generative AI

Author

Sonia Jenifer Rayen

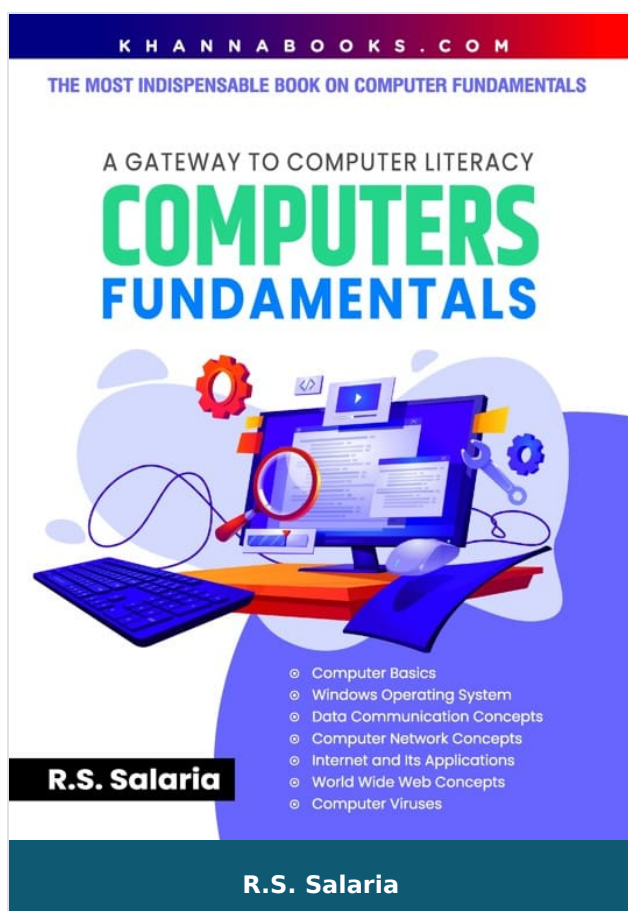
Sonia Jenifer Rayen, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

Shiela David

Shiela David

Usama Abdur Rahman

Usama Abdur Rahman



Computers Fundamentals

Author :	R.S. Salaria
ISBN 13 :	978-93-81068-53-3
ISBN 10 :	9381068534
E-ISBN 13 :	978-93-81068-53-3
Edition :	1
Pages :	486
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 450.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Simple and easy language, encourages self study, Enables to use computer independently, provides working knowledge of Window XP operating system, Introduces data communication and network concepts, Provides working knowledge of Internet and World Wide Web, Introduces computer viruses.

Table Of Contents

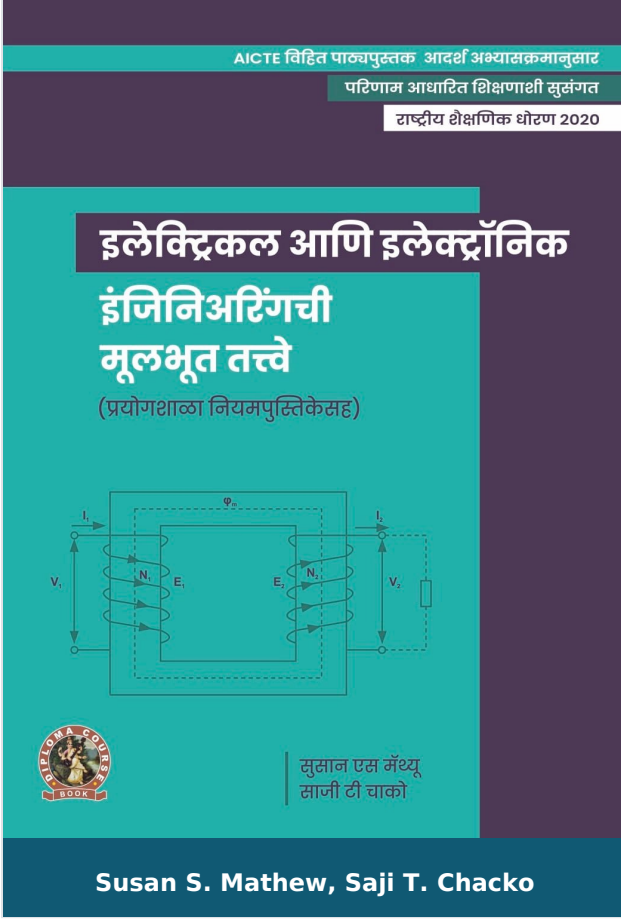
- Introduction to Computers
- Computer as a System
- Input/Output Devices
- Memories & Storage Devices
- Number Systems & Binary Codes
- Computer Arithmetic
- Boolean Algebra & Logic Circuits
- Computer Software
- Program Planning & Design
- Programming Languages
- Operating Systems
- Data Communications
- Computer Networks
- Internet
- World Wide Web (WWW)
- Computer Viruses

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>



Fundamentals of Electrical and Electronics Engineering (with Lab Manual)

Author :	Susan S. Mathew, Saji T. Chacko
ISBN 13 :	978-93-55380-44-9
ISBN 10 :	9355380445
E-ISBN 13 :	978-93-55380-44-9
Edition :	First
Pages :	252
Type of book :	Physical
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Marathi Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

“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

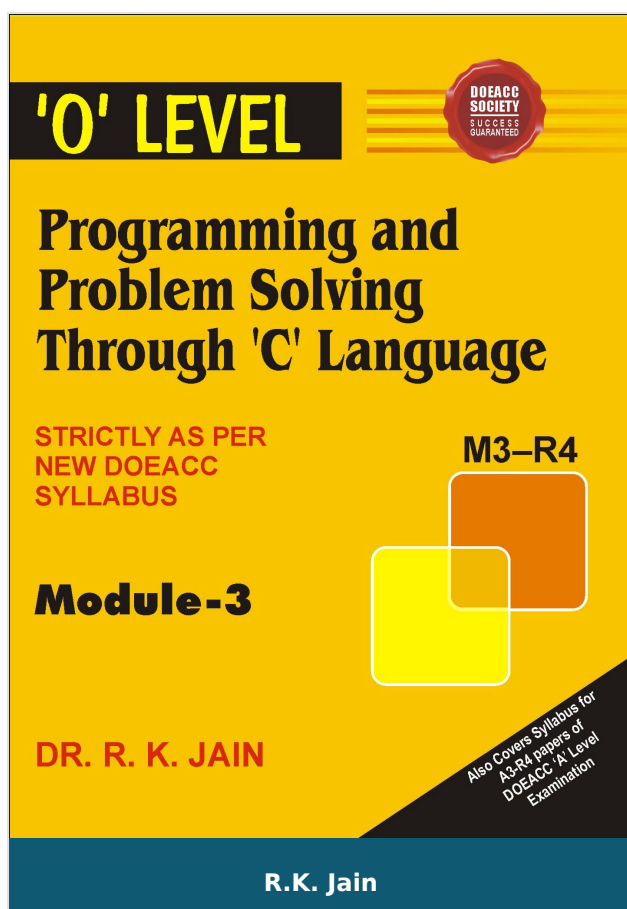
Author

Susan S. Mathew

Susan S. Mathew

Saji T. Chacko

Saji T. Chacko </p>



Programming & Problem Solving Through 'C' Language

Author :	R.K. Jain
ISBN 13 :	978-93-80016-64-1
ISBN 10 :	9380016646
E-ISBN 13 :	978-93-80016-64-1
Edition :	1
Pages :	386
Type of book :	Physical
Year :	2010
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 275.00
Categories :	NIELIT / DOEACC Books, Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book covers the totally new syllabus provided by Department of Electronics, for the 'O' level, namely module M3-R4. Both the aspects of programming and problem solving through C are covered. Most of the topics have been explained with the help of fully solved programs. Each program has fully checked, complied and tested to achieve the desired results as shown in the book. The book covers the various features of C like arrays, function, pointers linked list, structures, unions and file processing, etc. This has been done keeping in mind the level of various students who are doing to study this book.

Table Of Contents

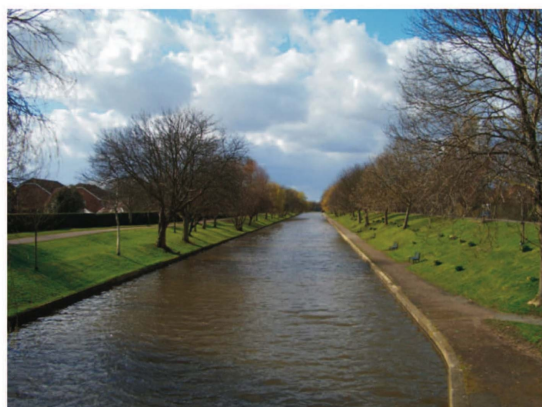
- Introduction to Programming
- Algorithms for Problem Solving
- Introduction to 'C' Language
- Conditional Statements and Loops
- Arrays
- Functions
- Storage Classes
- Structures and Unions
- Pointers
- Self Referential Structures and Linked Lists
- File Processing
- G. Glossary
- I. Index
- S1: Sample Paper 1
- S2: Sample Paper 2
- S3: Sample Paper 3
- S4: Sample Paper 4
- S4: Sample Paper 5

Author

R.K. Jain

Dr. R.K. Jain studied at IIT Powai and submitted his thesis for Ph.D at IIT Delhi. He has held various important posts in the past. At present he is advisor to various universities on

setting up of a computer department and setting up of the syllabus for the same. With his knowledge of the various computer topics, he is an ideal choice for writing these kinds of books.



OPEN CHANNEL FLOW

SAIFUL ISLAM

KHANNA BOOK PUBLISHING EDITION

Saiful Islam

Open Channel Flow

Author :	Saiful Islam
ISBN 13 :	978-93-81068-99-1
ISBN 10 :	9381068992
E-ISBN 13 :	978-93-81068-99-1
Edition :	1
Pages :	460
Type of book :	Physical
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 265.00
Categories :	Civil Engineering, Civil Engineering, Book Store
Condition Type :	New
Country Origin :	India

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

Product Description

This book is a elective paper for civil engineering student. This book is primarily designed as an introductory text book for the students pursuing B. Tech degree in Civil Engineering. Each chapter contains a set of exercise at the end of each unit to test the student's comprehension.

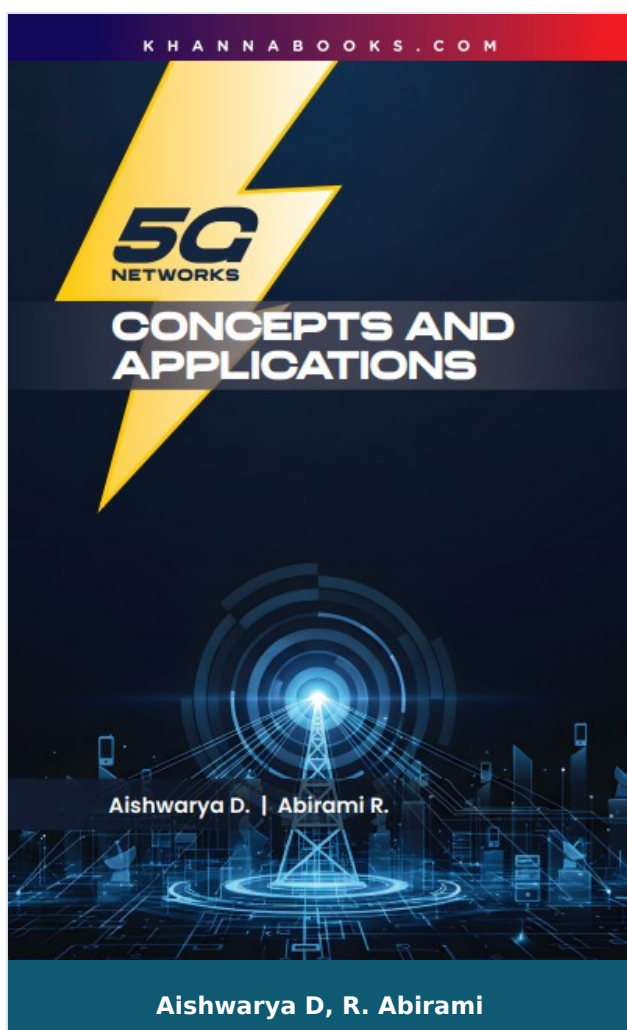
Table Of Contents

- Basic Principles of Open Channel Flow
- Uniform Flow
- Gradually Varied Flow
- Rapidly Varied Flow (RVF)
- Flow Measurement in Open Channel Flow
- Spatially Varied Flow
- Flow in Channel of Non-Linear Alignment and Non-Prismatic Channel
- Objective Type Questions : Previous Year Question Papers
- Glossary

Author

Saiful Islam

Saiful Islam is presently working as a Assistant Professor in the Department of Civil Engineering, RGEC, Meerut, U.P. He did his B.Tech degree from Zakir Hussain College of Engineering, A.M.U, Aligarh. He has completed his M.Tech degree from Indian Institute of Technology, Roorkee. He is the life member of Indian Society of Technical Education, International Association of Engineers and International Association of Protective Structures. He has published two papers in International journal. He has attended several conferences/ Workshops.



5G Networks: Concepts and Applications

Author : Aishwarya D, R. Abirami

ISBN 13 : 978-93-55384-43-0

ISBN 10 : 9355384432

E-ISBN 13 : 978-93-55384-43-0

Edition : First

Pages : 88

Type of book : Physical

Year : 2025

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 148.00

Categories : [New Arrivals, Book Store,](#)
[Sathyabama Series](#)

Condition Type : New

Country Origin : India

Product Description

5G Networks: Concepts and Applications

5G: More Than Just Faster Internet

The Fifth Generation of wireless technology, or 5G, is far more than a simple speed boost for your smartphone; it represents a revolutionary shift in how the world connects, communicates, and innovates.

This book is your comprehensive guide to understanding this technological breakthrough. It starts by tracing the journey of mobile communication, from the analog voice calls of 1G and the text messages of 2G to the high-speed streaming of 4G LTE.

You will then dive deep into the heart of 5G, learning about its core features like ultra-fast speeds (up to 10Gbps) and near-zero latency (as low as 1 millisecond). The text clearly explains how these capabilities are transforming major industries:

- Healthcare: Enabling life-saving remote surgeries with robotic precision.
- Transportation: Powering autonomous vehicles that communicate instantly to ensure safety.
- Smart Cities: Managing massive amounts of connected devices, from traffic lights to smart grids.

Whether you are a student, an engineer, or a business leader, this book will equip you with the knowledge to understand both the technical foundations and the immense opportunities unlocked by the 5G network.

Salient Features:

This book is a vital resource designed to demystify 5G and prepare you for the future of connectivity. Key features include:

- **Generational Overview:** A clear, concise breakdown of the evolution of mobile networks from 1G through the cutting-edge concepts of 6G and beyond.
- **Core 5G Technologies Explained:** Detailed explanations of the crucial technologies that make 5G possible, including Massive MIMO, Beamforming (focused signals), and Network Slicing (custom virtual networks).
- **The Internet of Things (IoT) Blueprint:** A dedicated look at how 5G acts as the essential backbone for the massive growth of IoT, supporting up to a million devices per square kilometer.
- **Spectrum Analysis:** Comprehensive coverage of the three main frequency bands: Low-Band (wide coverage), Mid-Band (balanced speed), and High-Band/mmWave (fiber-like speeds).
- **Real-World Applications:** In-depth case studies and examples of 5G use cases, such as Extreme Mobile Broadband (eMBB) for 4K/8K video streaming and its role in industrial automation and precision agriculture.

Table Of Contents

- Overview of mobile communication
- 5G: A network of opportunity
- IoT applications
- Quality of service

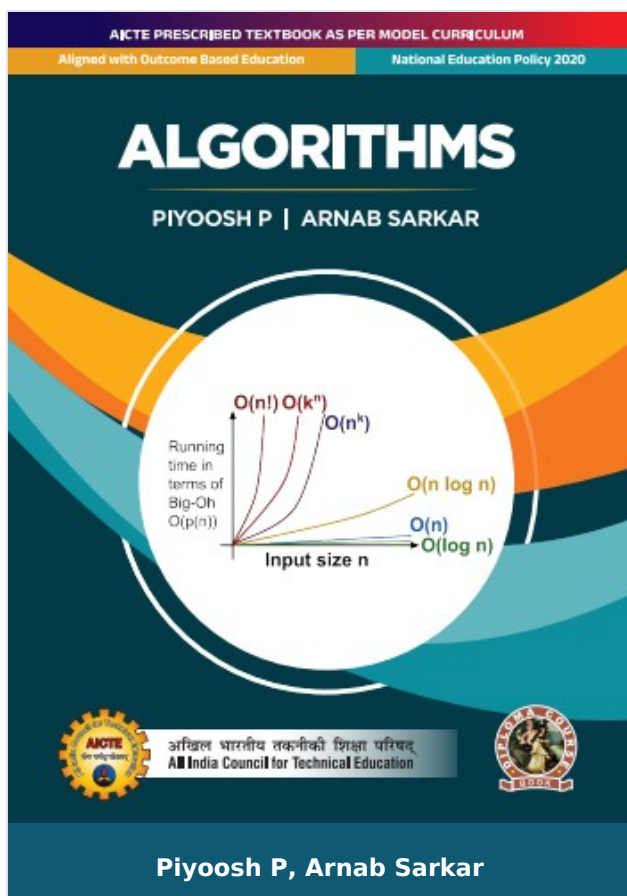
Author

Aishwarya D

Aishwarya D. / Abirami R.

R. Abirami

Aishwarya D. / Abirami R.



Algorithms

Author : Piyoosh P, Arnab Sarkar

ISBN 13 : 978-93-55384-54-6

ISBN 10 : 9355384548

E-ISBN 13 : 978-93-55384-54-6

Edition : First

Pages : 156

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 298.00

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

Condition Type : New

Country Origin : India

Product Description

Algorithms

This book presents data structures and algorithms whose knowledge is indispensable to effective computer programming. Design of algorithms strategies for different types of applications as well as techniques for analyzing them have been introduced, so that the students gain an understanding of mechanisms for constructing correct and efficient software programs. The main content of this book is aligned with the model curriculum of AICTE followed by the concept of outcome-based education as per National Education Policy (NEP) 2020.

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 unit.

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- Foreword
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- References For Further Learnings
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- Index

Author

Piyoosh P

Dr. Piyoosh P Assistant Professor, Department of Computer Science and Engineering Dr.

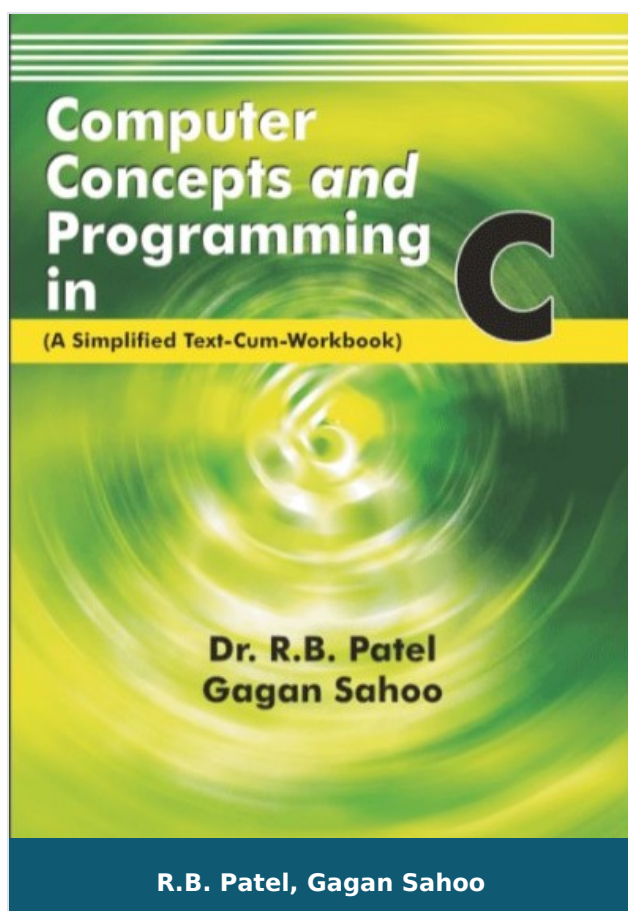
Arnab Sarkar

Khanna Publishing House

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

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Dr. Arnab Sarkar Associate Professor, Advanced Technology Development Centre (ATDC)



Computer Concepts and Programming in C

Author : R.B. Patel, Gagan Sahoo

ISBN 13 : 978-81-90744-80-5

ISBN 10 : 8190744801

E-ISBN 13 : 978-81-90744-80-5

Edition : 1

Pages : 552

Type of book : Physical

Year : 2009

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 325.00

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

Condition Type : New

Country Origin : India

Product Description

The book is written and designed keeping in mind following objectives for the students to understand the basic concepts of computing, to understand the basic concepts of operating system and number systems, to understand the methodology of problem solving, to develop skill in programming using C language. Cover detailed theory supplemented with appropriate figures and examples. Step-by-step instructions for doing practical training purpose. solved and unsolved examples at the end of each chapter. Provides proper testing tools for better learning. Provides user friendly approach.

Table Of Contents

- Computer Concepts
- Operating System Concepts
- Number Systems
- Programming Algorithms
- Overview of C Language
- Operators and expressions
- Conditional Program Execution
- Program loops and iteration
- Characters I/O Functions
- Arrays and Strings
- C Standard Library Function
- User defined functions
- Structures
- Pointers
- Linked lists and stacks
- C processor derivatives
- File operations in C

Author

R.B. Patel

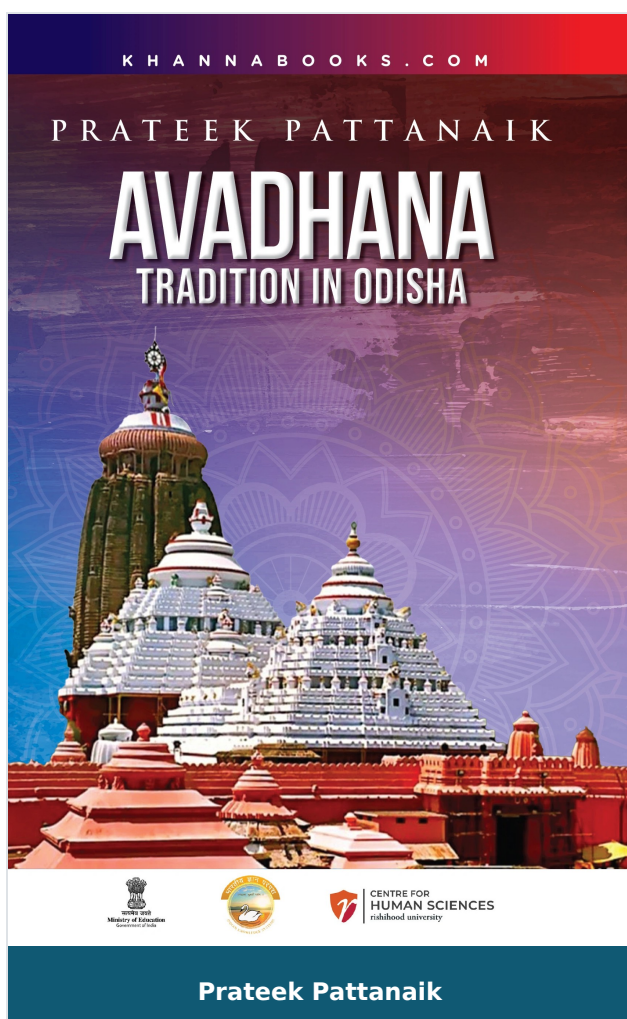
R.B. Patel Prof. Ram Bahadur Patel, Professor, Department of Computer Science and Engineering, Chandigarh College of Engineering and Technology, U. T. Administration Chandigarh, earlier he was Professor at NIT Uttarakhand, graduated from Madan Mohan Malaviya Engineering College Gorakhpur in Computer Engineering in the year 1991. He

did M.S. from BITS Pilani in the year 1996. He obtained his Ph.D. from the Indian Institute of Technology, Roorkee in the field of Distributed Computing and PDF in Reliable Computing from Athens Greece in the year 2005. He has supervised 18 PhD thesis and 42 M. Tech. dissertation. He has 4 Patents (1 US and 3 Indian) to his credit. He has published more than 190 research paper in International/National Journals and Conferences. He has organized 7 International Conferences/Seminars. He has edited 5 Scopus indexed Journal/Proceedings of National and International publishers, viz. Springer Verlag, American Institute of Physics etc. He has authored 7 Books on Data Structures, Automata Theory, etc.

Gagan Sahoo

Gagan Sahoo This well -organized and comprehensive book offers a detailed coverage on Visual Basic Programming concept. It contains a rich collection of examples, exercises and project based concepts. This book concentrates on the principles of good software engineering and stresses program clarity. without assuming and background knowlwdge of programming, this book teaches VB language using carefully graded approach. The book covers easy-to understand steps, from simple programs to sophisticated ones that demonstrate VBs power for programming development. Using this book you can create different application statring from desktop application; database Handling to Internet based programming. The book contains 100's source codes in different chapters in CD. He has more that 15 Years of experience in the computer field working as a software developer, director of software development. He is a well-known author of various computer books including, VB, C++, Java. Since last 10 years, he has lots of experience in different computer project works. He has written number of project books including Foxpro, C, C++, Vb, etc. He associates Mr. Arvind Kumar working as co-author in various technical projects in .NET technology. He has been Programming in various .NET project and tested so many code on Microsoft's .NET environment. His prime development of Beginner's Guide to VB, C# 2005 (with.NET 3.0), ASP.NET, VB.NET, etc. Which was written

to fulfil the need and development guide for the students and developers.



Avadhana (Tradition in Odisha)

Author :	Prateek Pattanaik
ISBN 13 :	978-93-55384-41-6
ISBN 10 :	9355384416
E-ISBN 13 :	978-93-55384-41-6
Edition :	1
Pages :	36
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 99.00
Categories :	New Arrivals, Book Store, Education & Knowledge Systems
Condition Type :	New
Country Origin :	India

Product Description

In the vibrant history of India's cultural and intellectual heritage, the tradition of Avadhana in Odisha stands as a lesser-explored yet profoundly rich chapter. Rooted in simultaneous handling across subjects and an intensive depth of knowledge, Odisha's Avadhana tradition is a unique amalgamation of intellectual prowess and cultural nuances. This book, titled "Avadhana Tradition in Odisha" endeavors to unravel the historical, cultural, and individual dimensions of this exceptional practice. While Avadhana is celebrated across the Indian subcontinent, the Odisha tradition distinguishes itself through its distinct categories of Avadhana, each demanding a unique level of expertise. The rare 100 Abadhana, alongside the more common 8, 10, 12, and 18 Abadhanas, forms a compelling aspect of Odisha's Avadhana landscape. Furthermore, the book seeks to shed light on extraordinary memorizers called Srutidhara-s who epitomize the intellectual acumen embedded in this tradition. Eminent Avadhanis of Odisha, such as Upendra Bhanja and Kabibhusana Gopinatha Patra, have played pivotal roles in preserving and advancing this cultural gem. Through meticulous examination, the book will showcase the finer classifications within Sangitavadhana, revealing how poetry, mathematics, games, and concentration converge in a harmonious symphony. The book's rationale extends beyond mere documentation. It aims to explore the meticulous examination process, the rigorous tests in each subject, and the unique role of Mukti Mandapa pandits as high supervisors, offering readers a comprehensive understanding of the intricate Avadhana tradition of Odisha. Moreover, the flexibility in language choice—Sanskrit, Odia, or both—further distinguishes Odisha's Avadhana practices. As the reader delves into the pages of this book, they are taken through the multilingual, multilayered world of Odisha's Avadhana. The meticulous examination of subject-wise tests, the integration of theory and application, and the extraordinary Avadhana experiences will collectively weave a narrative that not only preserves the tradition's legacy but also invites a renewed appreciation for the intellectual and cultural finesse intrinsic to Odisha's Avadhana.

tradition.

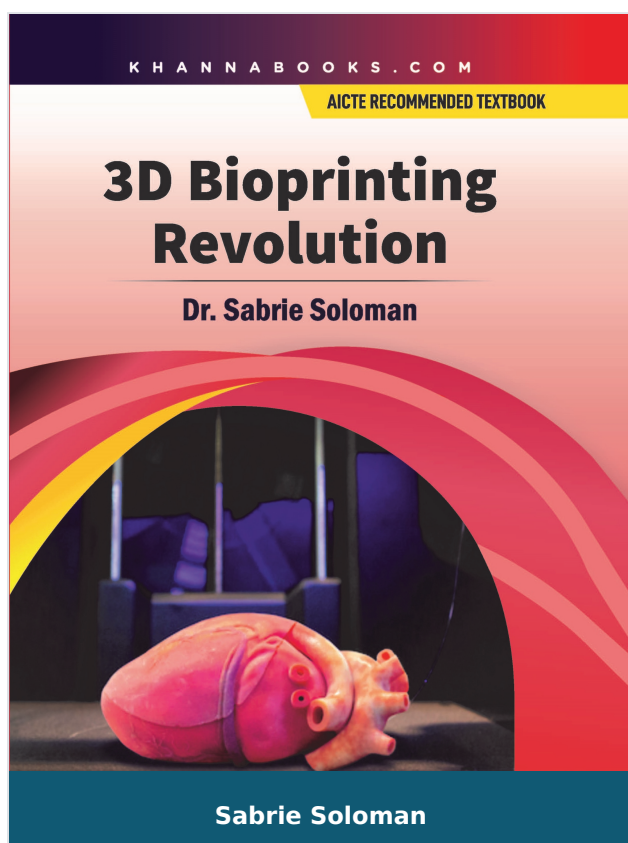
Table Of Contents

- Introduction
- Historical Context of Avadhana in odisha
- Varied Avadhana Categories in Odisha
- Notable Avadhanis of Odisha
- Fine Classification in Sangitavadhana
- Tests and practices in avadhana Subjects
- Shastra and Prayoga in Odisha's Avadhana Tradition
- Multilingual Avadhana and Liberty of Subject Choice
- The Rigorous Examination Process
- The Role of Mukti Mandapa Pandits
- Acharya Tarini Patra's Extraordinary Avadhana
- Conclusion

Author

Prateek Pattanaik

Prateek Pattanaik is a researcher and a Musician. an Odissi vocalist and Binakara, he was initiated into music by his grandmother, then continued training under Guru Brundabana Khandual and finally Pt Ramarao Patro, in the lineage of early 20th-century maestro 'Astabadhani Acharjya' Tarini Charan Patra. He is currently engaged as a research scholar on the 17th-century treatise 'Sangitanarayana' in the Department of Odia, Berhampur University. His work primarily delas with palm leaf manuscripts, early gramophone records and neglected musical forms across the state. He is the author of two books on Odissi music and the Odia Language.



3D Bioprinting Revolution

Author :	Sabrie Soloman
ISBN 13 :	978-93-89139-16-7
ISBN 10 :	9389139163
E-ISBN 13 :	978-93-89139-16-7
Edition :	First
Pages :	336
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	Emerging Technologies, Hardbound Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book provides a comprehensive guide to the principles and optimal applications of 3D bioprinting technologies. It explains the operational basics, along with similarities and differences among various bioprinters. School students, university undergraduates, and postgraduate students in biomedical and life sciences will find this book highly valuable in understanding and exploring bioprinting for real-world applications. It not only builds foundational knowledge in design and implementation but also inspires learners to experiment and create their own biological models. Educators, researchers, and medical professionals will be equipped with the insights needed to advance this revolutionary technology within their institutions and industries.

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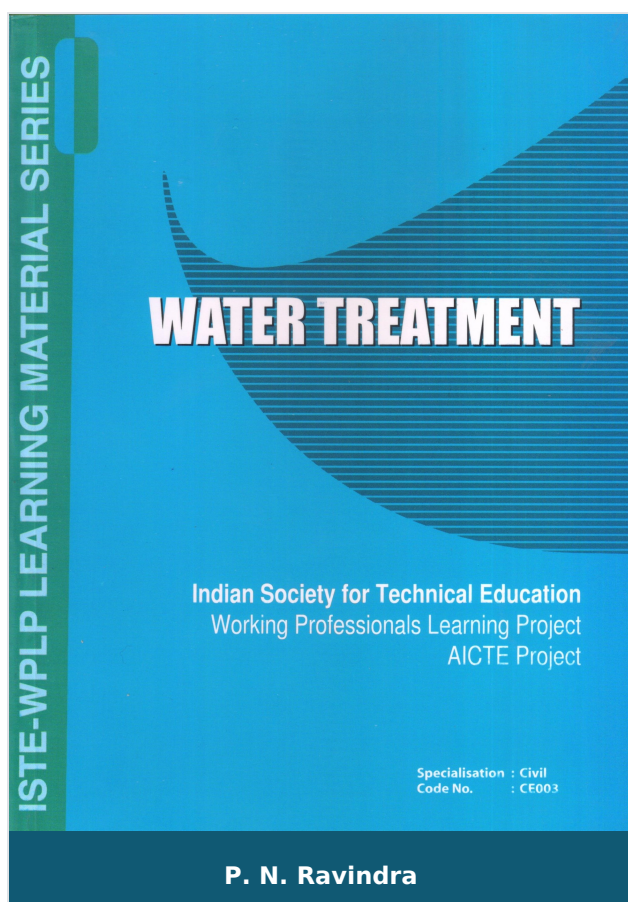
- 3D Bio-Printing Technology
- The Bioprinting Revolution
- Additive Bio-Manufacturing
- Organ Printing
- 3D Printing Scaffolds
- 3D Bioprinting Regenerative Medicine
- Rapid Prototyping - 3D Bioprinting Orthopedics
- The Digital Revolution - 3D Bioprinting Bio-manufacturing
- Organ Printing - Discovering Novel Treatments and Drugs
- 3D Bioprinting Innovative Design

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Sabrie Soloman

Dr. Sabrie Soloman, Ph.D., Sc.D., MBA, PE - He is the Chairman & CEO of American SensoR x, In, USA; Founder of Advanced Manufacturing Post Graduate Studies at Columbia University, USA; Professor of Advanced Technology at Columbia, where he lectures on Sensors & Control Systems in Manufacturing, Affordable Automation, Computer Integrated Manufacturing (CIM), Flexible Manufacturing System (FMS), Design for Manufacturability, Introduction to Electromechanical Engineering, Modern Welding Technology, and 3D Printing/Bioprinting Technology. Dr. Soloman authored numbers of technical books published and translated worldwide: Sensors Handbook (2nd edition), Sensors and Control Systems in Manufacturing (2nd edition), Affordable Automation, Introduction to Electromechanical Engineering, Modern Welding Technology, to name a few. Dr. Soloman holds numerous Patents, Technical Awards, and several US Product

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Water Treatment

Author :	P. N. Ravindra
ISBN 13 :	978-93-55389-22-0
ISBN 10 :	9355389221
E-ISBN 13 :	978-93-55389-22-0
Edition :	1
Pages :	272
Type of book :	Physical
Year :	2006
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 388.00
Categories :	Civil Engineering, Book Store, ISTE Series
Condition Type :	New
Country Origin :	India

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

Product Description

Water works engineers should be aware of the wider issues concerning the principles of wastewater treatment. This in turn requires not only good design engineering, but also better working knowledge of the system. In this context, this book will make a significant contribution for enhancing knowledge from basics to the advancement in the field of wastewater treatment.

This book written under working professionals learning project is with the intention of providing sufficient information and knowledge about the principles of wastewater treatment to the water works engineers. This book comprehensively deal with the basic of wastewater treatment, laying emphasis on current trends. To convey ideas and concepts more clearly, the book contains descriptive diagrams with suitable explanation. The book covers a broad spectrum of material dealing with wastewater treatment, as it is far more than just as update of the existing books on wastewater treatment, which includes the latest concepts and processes. This learning material will also be a useful reference book for planners, administrators, students and general readers. It will be of interest to wastewater treatment. One who reads this book systematically from chapter one will surely acquire an understanding on the concepts of wastewater treatment, including schemes of treatment.

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Author

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Dr. P. N. Ravindra The author of this book is working as Assistant Executive Engineering for Bangalore Water Supply and Sewerage Board (BWSSB) and has more than 25 years of working experience in the field of water and wastewater treatment. He has written several books in water discipline and published several research papers. It is a matter of pride and privilege for the author to write a book for his fellow engineers, who can make this book worthwhile. He acknowledges the help he has received from Mr Narayana, Cheif

Engineer, (Retd), BWSSB in reviewing the material and also improving the quality of the book. Special thanks to Prof. NR Shetty, Chairman, Project Advisory Committee, ISTE-WPLP and Er AN Parameswaran, Project Officer and his staff, ISTE-WPLP, who have provided valuable suggestions and carried out the coordination in preparation of this material.