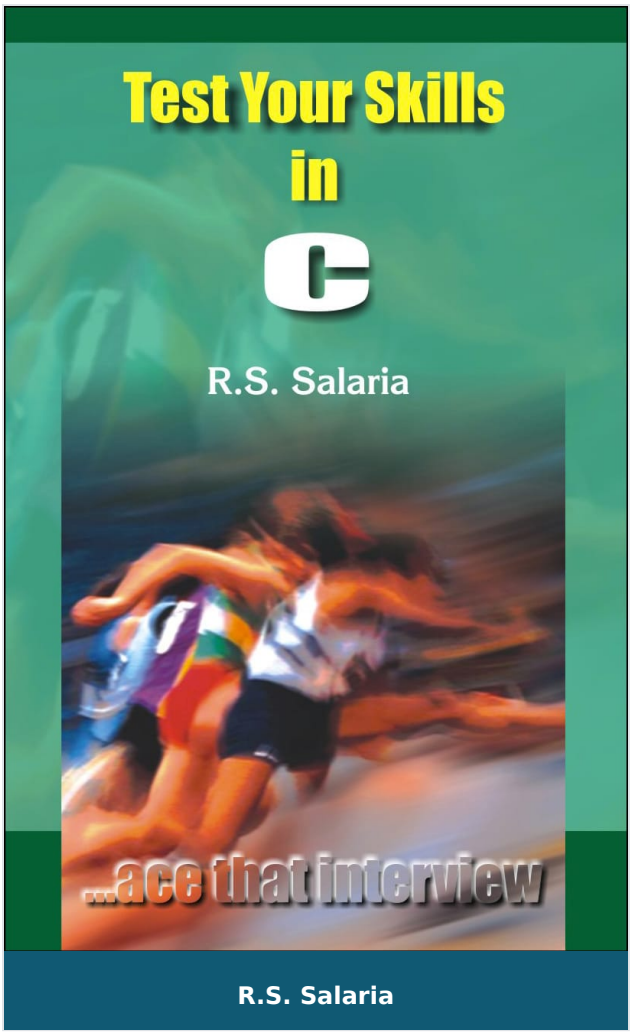


Test Your Skills in C

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Product Description

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.

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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

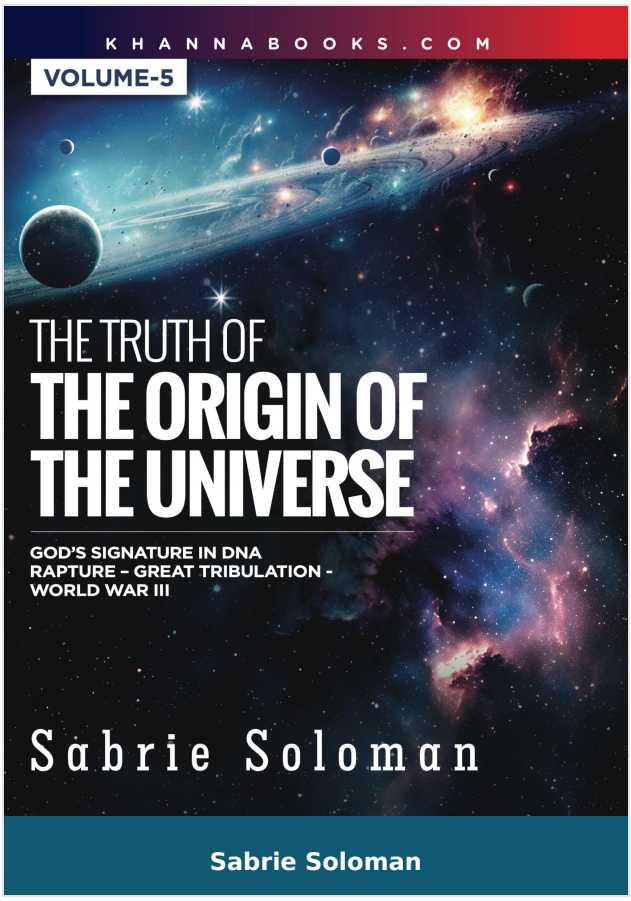
R.S. Salaria

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

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The Truth of The Origin of The Universe (GOD,S Signature in DNA Rapture- Great Tribulation - World War III) Volume - 5

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Product Description

God’s Signature in DNA the Rapture The Great Tribulation Armageddon War (World War lll)

The concept of God’s signature in DNA is a fascinating topic that explores the intricate design and complexity of the human genome Many creationists and religious believers see the complexity and precision of DNA as evidence of an intelligent designer or creator pointing to the existence of a higher power The idea that DNA contains a signature of God’s handiwork is a theme often discussed in religious and philosophical circles highlighting the wonder and mystery of life itself.

Moving on to the topics of the Rapture the Great Tribulation and the Armageddon War these concepts are deeply embedded in Christian eschatology or the study of end times The Rapture is believed to be the biblical event where believers are taken up to heaven to be with God before a period of tribulation and judgment on earth The Great Tribulation is a period of intense suffering and turmoil that prophesied to occur before the final battle of Armageddon believed by the author to be world war lll.

These apocalyptic beliefs have captured the imagination of many believers and have inspired countless books movies and religious teachings while interpretations of these events may vary among different Christian denominations the underlying message of hope redemption and faith in the face of adversity remains a central theme.

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- The Universe Is Being Held Together
- The Moral Laws
- The Mystery of 6-Days Creation
- The Beginning and the Ending of Universe
- Will Robots Inherit The Earth?

Author

Sabrie Soloman

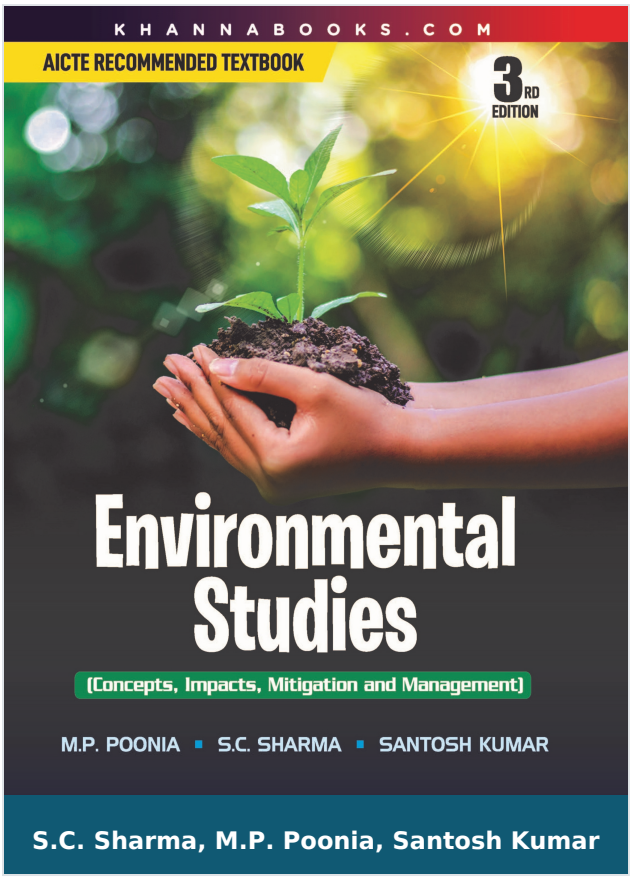
Dr. Sabrie Soloman, Ph.D., Sc.D., MBA, PE - He is the Chairman & CEO of American SensoR x, In, USA; Founder of Advanced Manufacturing Post Graduate Studies at Columbia University, USA; Professor of Advanced Technology at Columbia, where he lectures on Sensors & Control Systems in Manufacturing, Affordable 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 Registrations. He is a Fellow of the Society of Manufacturing Engineers. USA. The Royal Society of Manufacturing Engineers (England), and L'Ores Des Ingenieurs Du Quebec (Canada), He received several awards from the American Society of Mechanical Engineers (ASME), the Society of Manufacturing Engineers (SME), and the American Management Association (AMA). Dr. Soloman is considered an international authority on advanced manufacturing technology, robotics, biomedical engineering, pharmaceuticals, and automation in the microelectronic, automotive, beef, pork, poultry industries. He has been and continues to be instrumental in developing and implementing several industrial and modernization programs through the United Nation to European, Asian, and African countries. He is the first to introduce and implement unmanned flexible synchronous/asynchronous manufacturing systems the microelectronic and meat industries, and the first to incorporate advanced vision technology in a wide array of robot/micro-robot manipulators. Dr. Soloman was selected to deliver the US Presidential closing address, "Innovative Remote Sensors Technologies," at the Universal Design Conference, New York, USA

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Product Description

Environmental degradation has been major concern since past few decades, because of economic growth and development across the world has caused major impacts on the Earth's ecosystems and natural resources to an extent that can limit the well-being of future generations.

India has recently started realizing the importance of environmental and the environmental education. Following the 2001 Supreme Court directive, the environmental education has been or is being included in the curriculum right from the school stage to College/University level.

This book covers the syllabi of all Indian Technical Universities and other Universities for different disciplines, may it be in the name of environmental studies, environmental science. ecology or natural resource management. This book is written to bring about an awareness of a variety of environmental concerns and deals form concepts through impacts, mitigation auto management.

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- Energy Resources
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- Social Issues
- Environmental Challenges
- Human Population and the Environment
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- Environmental Legislations
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- Field Work (Project Work)
- Exercise (Distinguishing, Short Answer Questions, Expansions, Fill in the Blanks, MCQs, True-False)

Author

S.C. Sharma

S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

M.P. Poonia

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata. Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company.

Santosh Kumar

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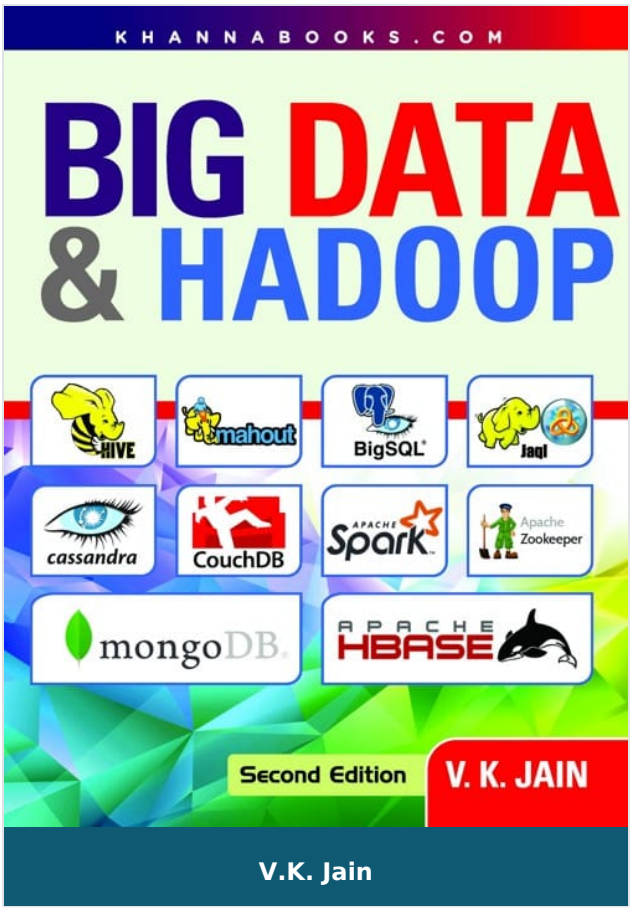
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Institute of technology/NIT Jamshedpur and Master's degree from University of Roorkee/NIT Roorkee. Further he obtained Dip. H.E. From Delft University, Netherlands. He completed his Ph.D from Patna University. Prof. Kumar taught water resources related subjects for more than 40 years. During his tenure he successfully guided four Ph.Ds. and a record 28 M.Tech dissertations. He also produced more than 50 research papers. Later he also acquired advanced knowledge in Environmental Science. Dr. Kumar was picked up by the World Bank as a consultant to its projects in Bihar at FMISC, where he served for four years. He is a Fellow of Institution of engineers India; Chairman Indian Water Resources Society (Patna Chapter).

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Big Data & Hadoop

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Product Description

This book introduces you to the Big Data processing techniques addressing but not limited to various BI (business intelligence) requirements, such as reporting, batch analytics, online analytical processing (OLAP), data mining and Warehousing, and predictive analytics.

The book has been written on IBMs Platform of Hadoop framework. IBM Info sphere Big Insight has the highest amount of tutorial matter available free of cost on Internet which makes it easy to acquire proficiency in this technique. This therefore becomes highly vulnerable coaching materials in easy to learn steps. The book optimally provides the courseware as per MCA and M. Tech Level Syllabi of most of the Universities. All components of big Data Platform like Jaql, Hive Pig, Sqoop, Flume, Hadoop Streaming, Oozie: HBase, HDFS, Fume NG, Whirr, Cloundera, Fuse, Zookeeper and Mahout: Machine learning for Hadoop has been discussed in sufficient Detail with hands on Exercises on each.

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- R PROGRAMMING : A STRONG VISUALIZATION AND GRAPHICS TOOL
- OTHER COMPONENTS OF HADOOP : OZZIE,ZOOKEEPER AND MAHOUT

Author

V.K. Jain

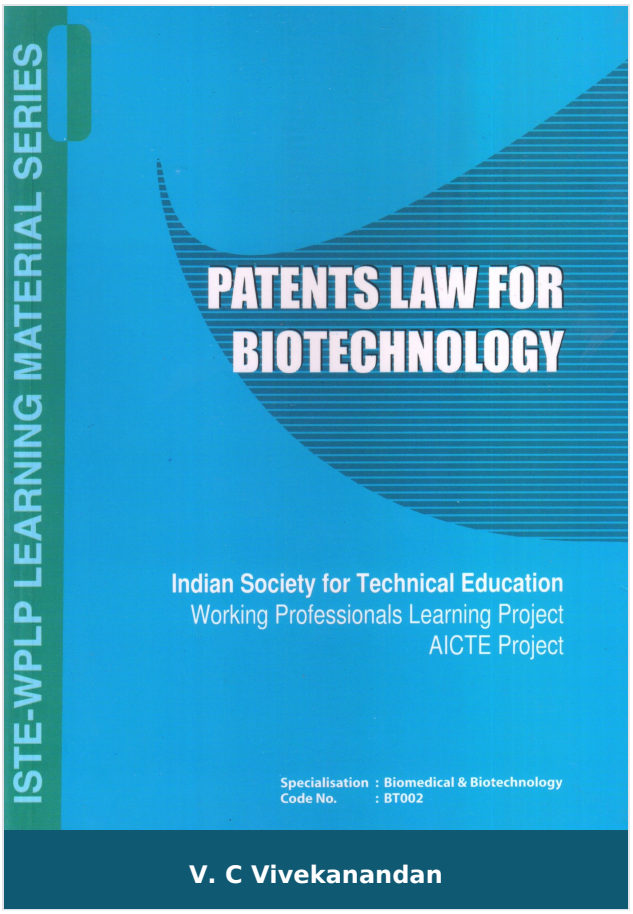
Dr. V.K. Jain is a well known practical engineer who has authored more than 125 books on engineering, management and subjects related with computer science. He obtained degree in Electrical Engineering in 1966 from MACT (Maulana Azad College of Technology) Bhopal. He did M. Tech. in 1968 from MACT and HEL (Now Bharat Heavy

Electricals) Bhopal in Design and Production of Heavy Electrical Equipments, an Industry Oriented course run under the sponsorship of UNESCO under Vikram University Ujjain in 1968. He was attached to Electronics Application Engineering Department of BHEL. He presented a thesis on ""Analysis of the performance of speed and excitation regulation System using fast acting integrator type AVR for a large Hydro-generator (15 MW). This was concerned with studying power system from the viewpoint of electronic control systems (based on Nyquist Criteria) through Analog and Digital Computer at one of the premier Institution of India IIT (Indian Institutue of Technology) Kanpur. He personally prepared digital computer program in FORTRAN IV as early as in year 1968 at IIT Kanpur and compiled it on IBM 7044 Main Frame Computer, The fastest Computer in India at that time. He joined CPWD as Electrical Engineer on 20.5.1968 on basis of All India Competitive Examination for Central Electrical Engineering Services (Now known as IES) through Union Public Service Commission of India and served CPWD for 35 years. After retirement he worked with M/s CP Kukreja as consultat engineer for nearly one and half years and at present working as Chief Consultant Engineer with M/s Hospitech Management Consultant Pvt. Limited WTC New Delhi and engaged in designing most modern E/M, Electronic services and IBMS in premier Medical colleges and Big Hospital systems including AIIMS at Raipur and Patna.

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Patents Law For Biotechnology

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Product Description

This module of designed to give the reader - a technocrat or a lawyer an understanding of the history of the development of Intellectual Property in the first chapter. This chapter shows how the need for such a legislation arose in Europe and later in United States. The Second chapter deals with the conceptual understanding of contemporary issues in Patenting, what qualifies for patents, what qualifies for patents, what does not and how standards are constantly raised and interpreted. The third chapter deals with the legislation in India. It deals with what are inventions under law and what are not. How does one proceed to patent and invention? How one can draft a good patent? what are the safeguards if one abuses the system? What are the rights of the public in such a system and related issues? The fourth chapter deals with the special issues relating to the emerging research in Biotechnology like the cell culture, hybridoma technologies, recombinant DNA, patenting of software programmes and other principles. The fifth chapter deals with Patent Cooperation Treaty which offers a single window filing system for patenting inventions world wide. The sixth chapter deals with the TRIPS agreement and its salient features, where the provisions relating to patents law and compulsory licences are dealt with. Chapter Seven deals with the World Intellectual Property Organization, its mission, challenges and future agenda.

The module also has select case laws relating to patenting of life forms, Biotechnology, Chemical patents and issues relating to Pharma industry.

The modules have been written to sensitize the target audience to the exciting, yet complex world of patenting system.

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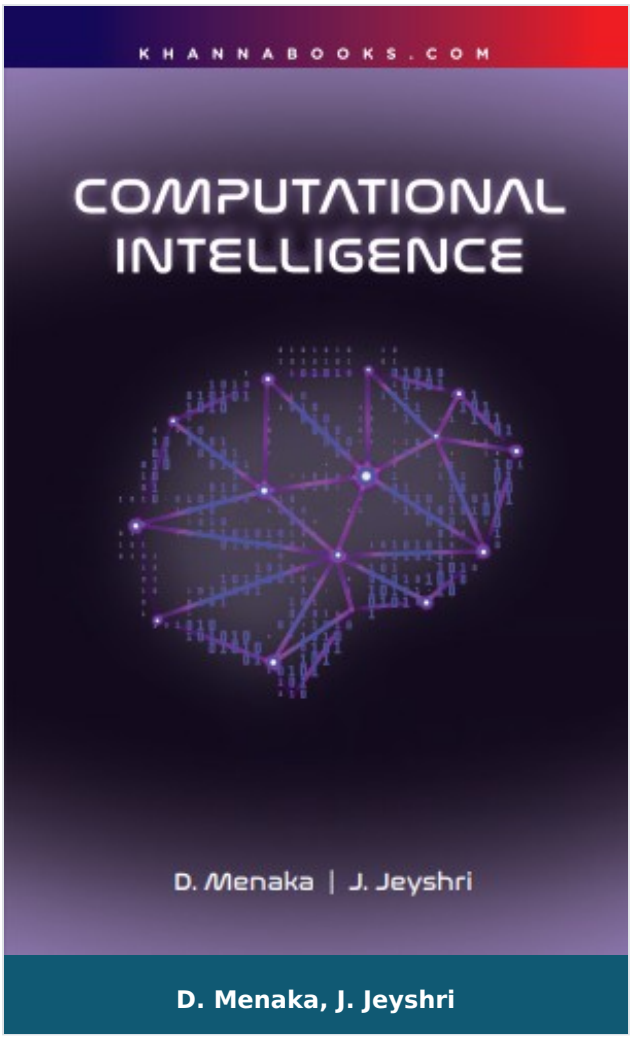
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D. Menaka, J. Jeyshri

Computational Intelligence

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Product Description

Computational Intelligence

Computational Intelligence serves as a comprehensive and insightful guide into a field that stands at the forefront of the rapidly evolving digital era, powering advancements from data analytics to autonomous systems. This book is dedicated to providing a structured yet accessible overview of Computational Intelligence (CI), a powerful paradigm that solves complex real-world problems by leveraging techniques inspired by natural intelligence. The core theme is the integration of diverse concepts, including artificial intelligence, machine learning, neural networks, evolutionary computing, and fuzzy logic.

The text offers a careful balance between theoretical depth and practical relevance, ensuring that complex methodologies are made clear and engaging for a wide audience, which includes students, educators, researchers, and professionals. Chapters cover fundamental principles, key algorithms, and recent advancements, empowering readers to not only understand but also implement intelligent computational models. To foster practical knowledge, the book integrates real-world case studies and examples that demonstrate the application of CI techniques across crucial domains such as healthcare, finance, robotics, and optimization. By focusing on algorithmic design and real-time applications, this academically rigorous work inspires innovation and provides the tools necessary to contribute effectively to the future of intelligent computing.

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- Genetic Algorithms
- Swarm Intelligence

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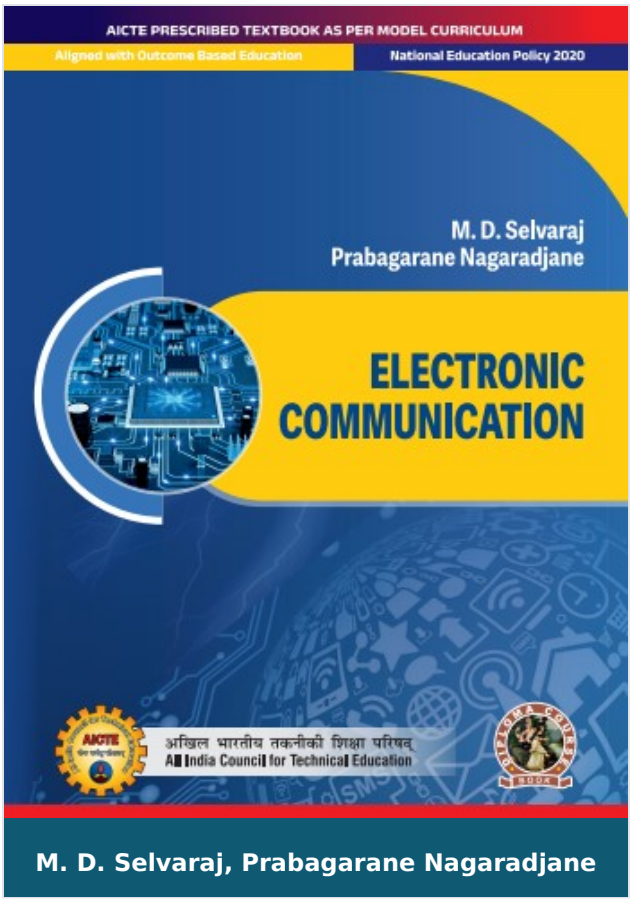
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Electronic Communication

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Product Description

Electronic Communication

In an era dominated by rapid technological advancements in the next generation of mobile communications, mastering the fundamentals of communication engineering is essential for students. This book, `Electronic communication' thoroughly explores key concepts, theories, and applications in the communication engineering _eld. Furthermore, this comprehensive guide covers a gam- out of topics in communication engineering from fundamental principles to advanced techniques that provide a structured approach to comprehending communication engineering concepts for students or teachers seeking to enhance their expertise.

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- 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.
- At the end of each chapter, short questions, objective questions and long answer exercises are given for the students to practice.

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- CO and PO Attainments table
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Author

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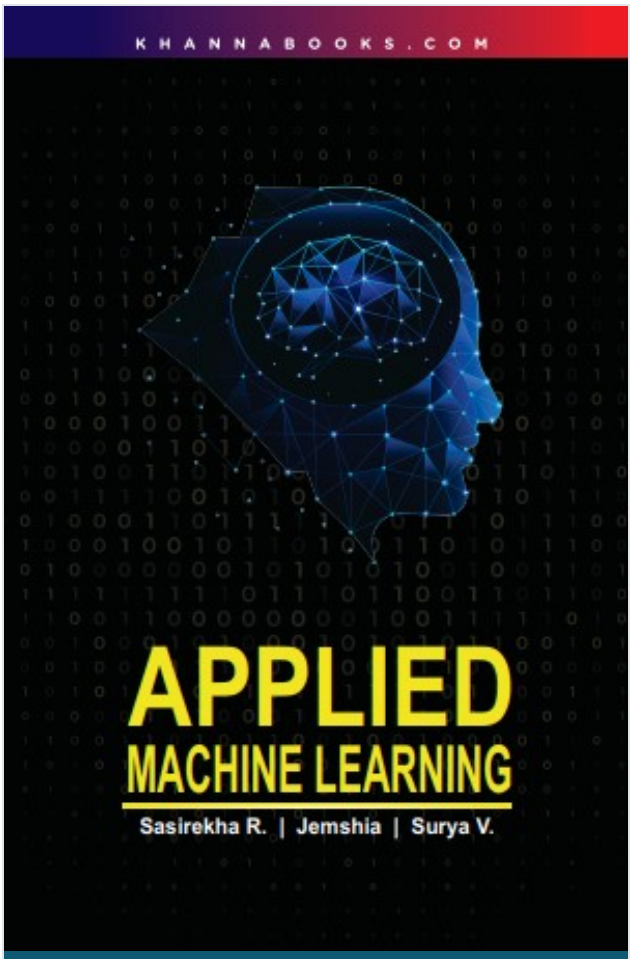
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Sasirekha R., Jemshia, Surya V., Pavithrababu

Applied Machine Learning

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Product Description

Applied Machine Learning

In an era where data is growing exponentially, Machine Learning (ML) has become the definitive tool for solving complex problems across every major industry, from healthcare and finance to autonomous systems and natural language processing.

Applied Machine Learning is designed to bridge the gap between theoretical research and real-world implementation. This book provides a solid foundation, covering core concepts such as supervised and unsupervised learning, feature engineering, and model evaluation. Readers will gain a deep understanding of essential algorithms like linear regression, decision trees, support vector machines, and neural networks.

With a crucial focus on practical application, the text uses Python and industry-standard libraries like Scikit-learn, TensorFlow, and PyTorch to provide step-by-step coding examples. Beyond model development, it addresses critical challenges, including data bias, model interpretability, and ethical considerations, emphasizing the need to build responsible and transparent ML systems. Whether you are an aspiring data scientist, a software engineer, or a business leader, this book is your comprehensive guide to leveraging AI-driven insights and transforming industries.

Salient Features:

- **Foundational Learning Paradigms**: Detailed coverage of Supervised, Unsupervised, Semi-Supervised, and Reinforcement Learning models and their real-world applications.
- **Essential Algorithms**: In-depth study of core algorithms, including K-Means Clustering, Fuzzy K-Means, Decision Trees, and various Neural Network architectures.

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- **Practical Implementation**: Hands-on focus on Python programming and popular ML libraries (Scikit-learn, TensorFlow, PyTorch) for effective solution deployment.
- **Data Strategy**: Comprehensive chapters on Data Representation, covering structured vs. unstructured data, feature engineering, normalization, and techniques for handling missing data.
- **Model Optimization**: Clear explanation of the Bias-Variance Tradeoff and the Occam's Razor principle for selecting models that achieve optimal generalization.
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- **Business Applications**: Includes units on Business Intelligence (BI), Data Warehousing, OLAP, the CRISP-DM Model, and Intelligent Information Retrieval Systems.
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- Statistical Analysis in Applied Machine Learning
- Introduction to Neural Networks
- Data Clustering & Decision Tree Learning
- Business Intelligence and Data Mining

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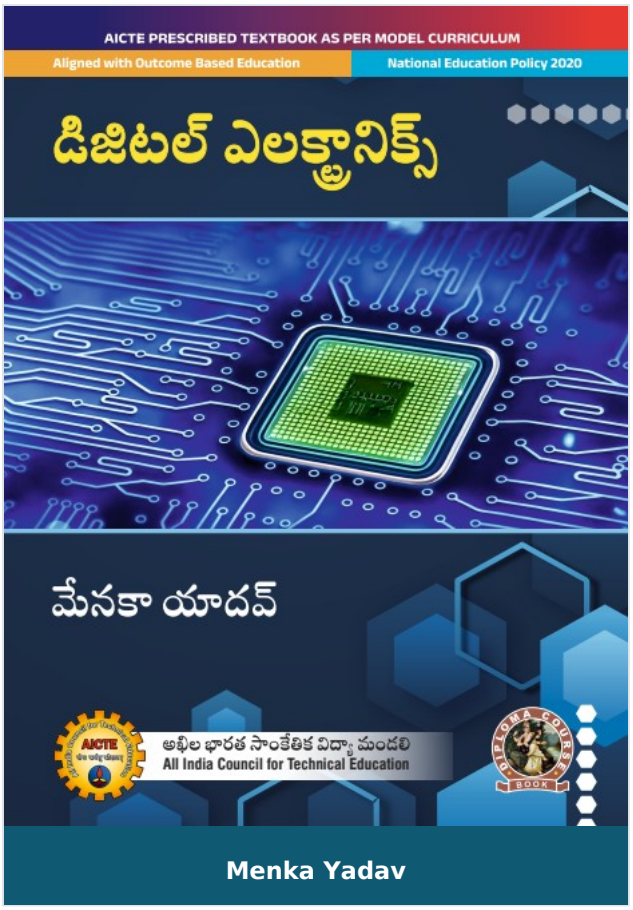
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Product Description

“INTRODUCTION TO SYSTEMS” is a compulsory paper for the first year Diploma 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.

Book covers five units- Internet Skills and Computer Basics, Operating Systems, HTML and CSS, open Office Tools. And information Security Best Practices. Each topic in units is written in each and lucid manner. Every unit contains a set of exercise at the end of each unit to test student’s comprehension.

Some salient features of the book:

1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and unit Outcomes.

2. Practical are included with each unit for better understanding of the theoretical concepts.

3. Book Provides interesting facts and various activities pertaining to topic. QR Codes are used for additional E-resources, use of ICT, online code editors, online quiz etc.

4. Student and teacher centric subject materials included in balanced and chronological manner.

5. Figures, tables, source code for web programming, numerous examples and applications are included to improve clarity of the topics.

6. Objective questions, subjective questions and crossword exercise are given for practice of students after every chapter.

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Author

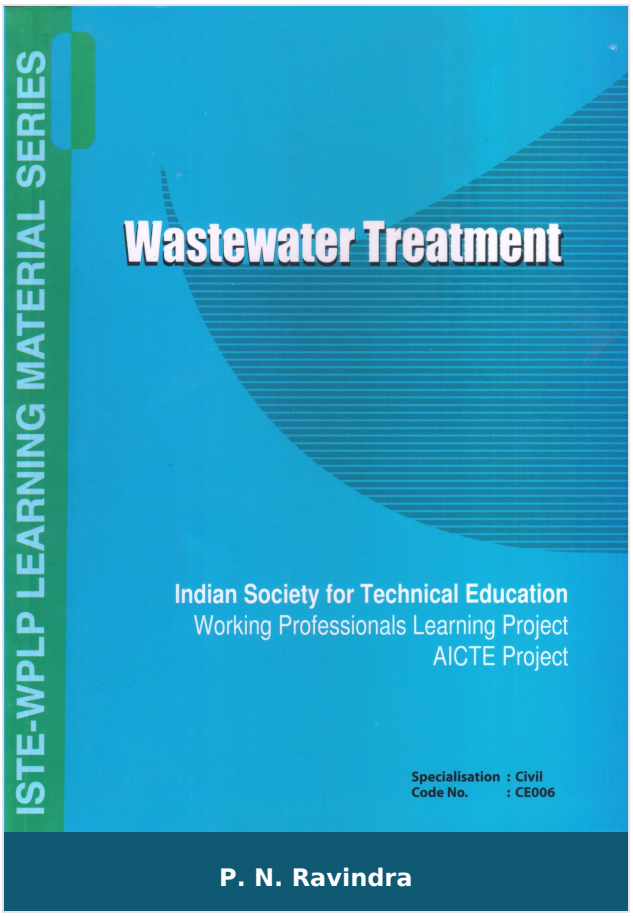
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Wastewater Treatment

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Product Description

This book written under working professional learning projects 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 basics 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 and update of the existing books on wastewater treatment, which includes the latest concepts and processes. The topics presented can be useful not only to the wastewater engineers, but also to the plant operators, and managers who are in the public utilities. This learning material will also be a useful reference book for planners, administrators, students and general readers. It will be of interest to those non-technical staff, who wish to understand technical issues relating to wastewater treatment. One who reads this book systematically from chapter one will surely acquire an understanding 0n the concepts of wastewater treatment, including schemes of treatment.

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- Residual Management
- Membrane Treatment Systems
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- Abbreviations

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.