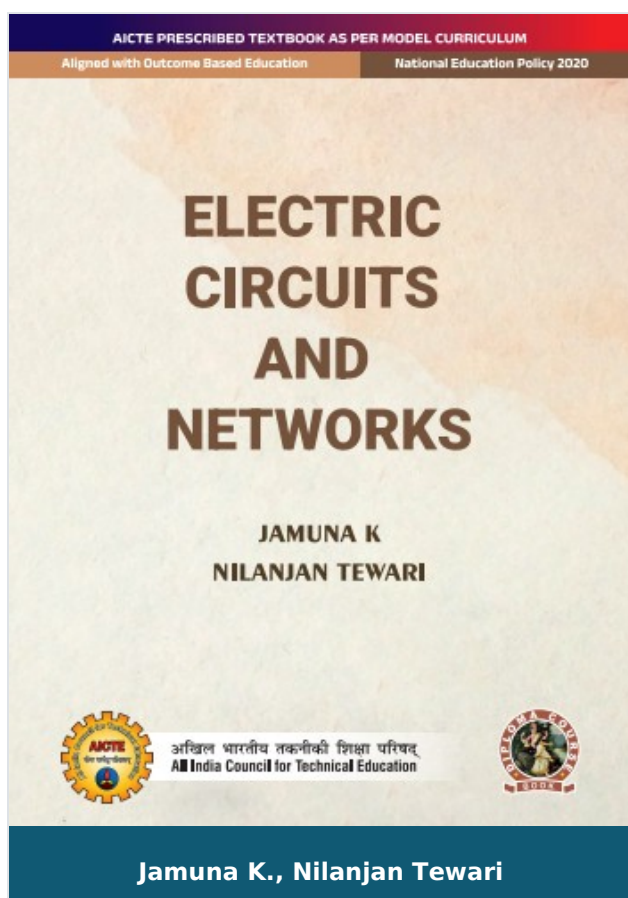




Electric Circuits and Networks

Author : Jamuna K., Nilanjan Tewari

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E-ISBN 13 : 978-93-55389-43-5

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Publisher : Khanna Publishing House

M.R.P : Rs 624.00

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

Condition Type : New

Country Origin : India

Product Description

Electric Circuits and Networks

Electric circuits and networks is the fundamental and essential subject for circuit branches in engineering. The book introduces the concepts of single-phase ac circuits and its analysis, generation of the three-phase power supply, star/delta connected three-phase systems operating under balanced and unbalanced loading conditions. Transient response of first and second order electric circuits are included in time domain analysis as well as in Laplace analysis. Two port network parameters and relationship among those parameters are explained. At the end all the chapters, problems are solved using LTspice software for the purpose of practical classes. The major areas covered in this book are

- Phasor and its representation
- Steady state analysis of single-phase ac circuits
- Power and power factor calculations for single-phase ac circuits
- Resonance in series and parallel circuits
- Source transformation
- Single-phase ac circuits analysis: Node analysis and mesh analysis
- Single-phase ac circuits theorems: Thevenin/Norton/Maximum power transfer
- Duality of the electric circuits
- Voltage and current relations for star/Delta connected three-phase systems
- Power and power factor calculations for three-phase ac systems
- Transient response of ac circuits of first and second order ac circuits
- Laplace transform solution of first and second order ac circuits
- Graph theory concepts of electric circuits
- Tie-set analysis and cut-set analysis of electric circuits
- Two-port networks and parameters

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Semiconductor Diodes
- Network Reduction and Theorems
- Three Phase Circuits
- Transient Response of First and Second Order Electric Circuits
- Graph Theory
- CO and PO Attainment table
- Index

Author

Jamuna K.

Dr. Jamuna K. Professor, Vellore Institute of Technology
Dr. Nilanjan Tewari Assistant Professor, Vellore Institute of Technology

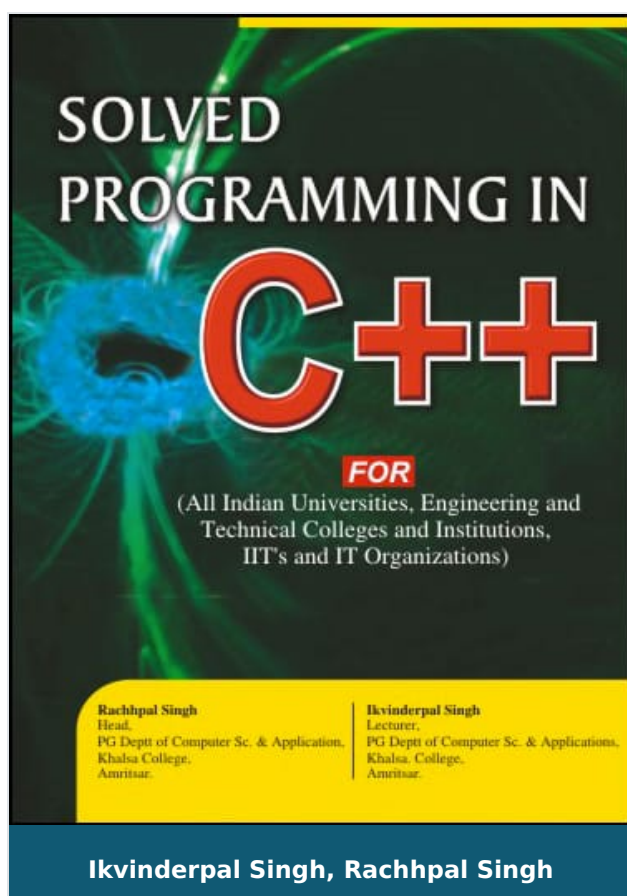
Nilanjan Tewari

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

Dr. Nilanjan Tewari Assistant Professor, Vellore Institute of Technology



Solved Programming in C++

Author : Ikvinderpal Singh, Rachhpal Singh

ISBN 13 : 978-93-80016-18-4

ISBN 10 : 9380016182

E-ISBN 13 : 978-93-80016-18-4

Edition : First

Pages : 880

Type of book : Physical

Year : 2012

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 450.00

Categories : [OBJECTIVE TYPE BOOKS, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

This book blends concepts with real practical applications. Simple and lucid style trains the reader not only in developing application programs but also familiarizes with system level programming.

Salient Features:

1. Contains about 2200 solved simple as well as complex programming problems. Include real life solved examples.
2. Contains all data types programming descriptions like int array, bool, binary bit, float read, register variables etc.
3. It covers of all functions of cin and cout, cin manipulator, cout boolalpha, cout custom, cout scientific etc.
4. Include Classes , objectives, constructor and destructor with simple programming examples.
5. Each operator is overloaded using simple programs like overloaded unary binary operator, enum, square bracket, custom inserter etc.
6. Detail study of various types of inheritance and also explain polymorphism concept.
7. Each function file of I/O is described using simple programming, functions like binary file, file pointer, istream, ostream, iostream and file IO exception etc.
8. Explore the functions like inline, static, and friend.
9. Some extra features like templates, exception handling, genric programming described using suitable programming examples.
10. Contains implementations of data structures liked list, stack, queue etc.

Table Of Contents

- Introduction to C++
- All Data Types
- Development in Cin and Cout
- Control Statements
- Array
- Strings
- Functions
- Pointers
- Structure and Union
- Classes and Objects
- Constructors and Destructors
- Operator Overloading
- Inheritance
- Polymorphism and Virtual Function
- Files
- Exploring Functions (Inline Friend Static)
- Templates
- Exception Handling
- Generic Programming
- Data Structures Using C++

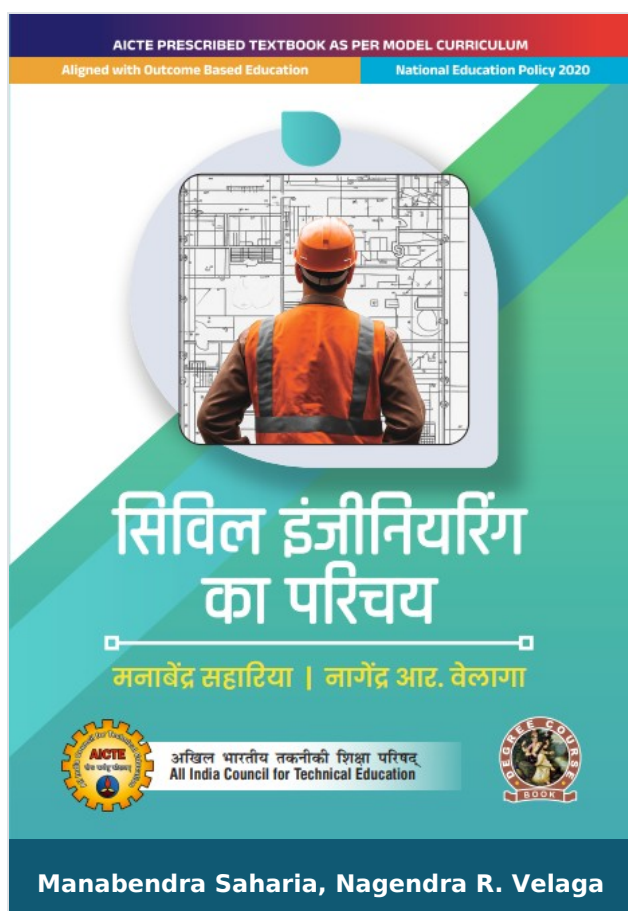
Author

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.

Rachhpal Singh

Rachhpal Singh is head of P.G. Dept. Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA from thapar Institute of Engineering and Technology, patiala. He has over fifteen years of teaching experience to teach post graduate classes. He is an international author of the world level and his other areas of interest include software engineering, parallel processing system level programming.



Introduction to Civil Engineering

Author :	Manabendra Saharia, Nagendra R. Velaga
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Product Description

Introduction to Civil Engineering

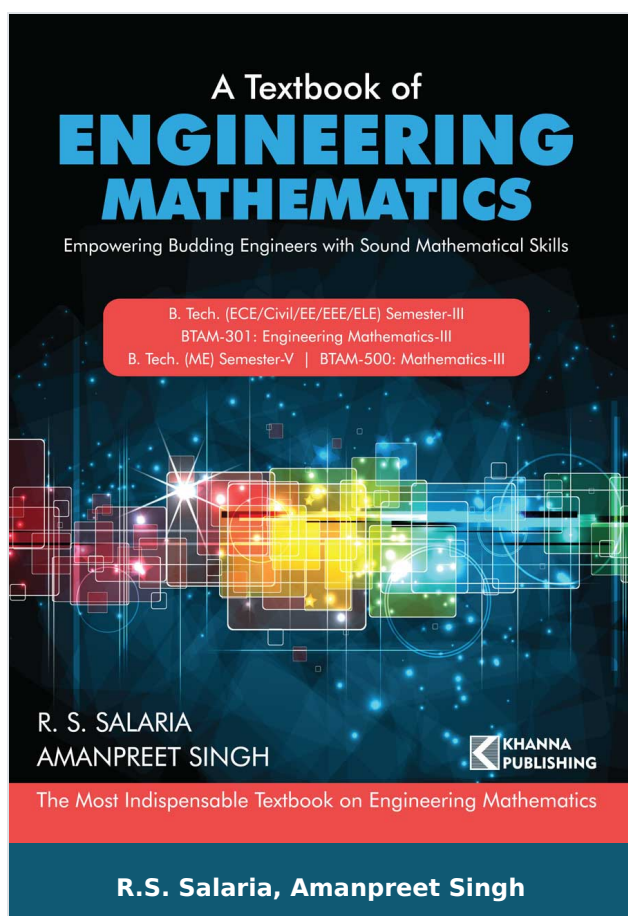
Author

Manabendra Saharia

Prof. Manabendra Saharia Assistant Professor, Department of Civil Engineering Prof.

Nagendra R. Velaga

Prof. Nagendra R. Velaga Professor, Department of Civil Engineering



A Textbook of Engineering Mathematics-III (ECE/Civil/EE/EEE/ELE)

Author : R.S. Salaria, Amanpreet Singh

ISBN 13 : 978-93-82609-89-6

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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

The Subject of Engineering Mathematics is an integral part of the course curriculum of Bachelor of Engineering/Technology (B.E./B.Tech) program of all Indian Universities, and is taught in first and/or second semester(s). The present state of teaching and learning of Mathematics is not that encouraging. A lot has to be done on both the fronts.

The book in your hand is another step of our commitment to uplift the standard of teaching and learning of Mathematics. We assure you that in our continuous journey in this endeavor and with your whole hearted support, we hope to make significant contribution in the teaching and learning of Mathematics. We hope to see that day when we hear from our students that Mathematics is wonderful subject and you all are relishing it. This book is designed to serve as a textbook for the students of B.Tech. (ECE/Civil/EE/EEE/ELE) Semester-III and B.Tech.

(ME) Semester-V of Punjab Technical University, Jalandhar

While writing, due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can build basic and conceptual knowledge in the subject.

Table Of Contents

- Useful Formulae, Theorems and Results
- Fourier Series
- Laplace Transformations
- Special Functions
- Partial Differential Equations
- Applications of Partial Differential Equations
- Functions of Complex Variables

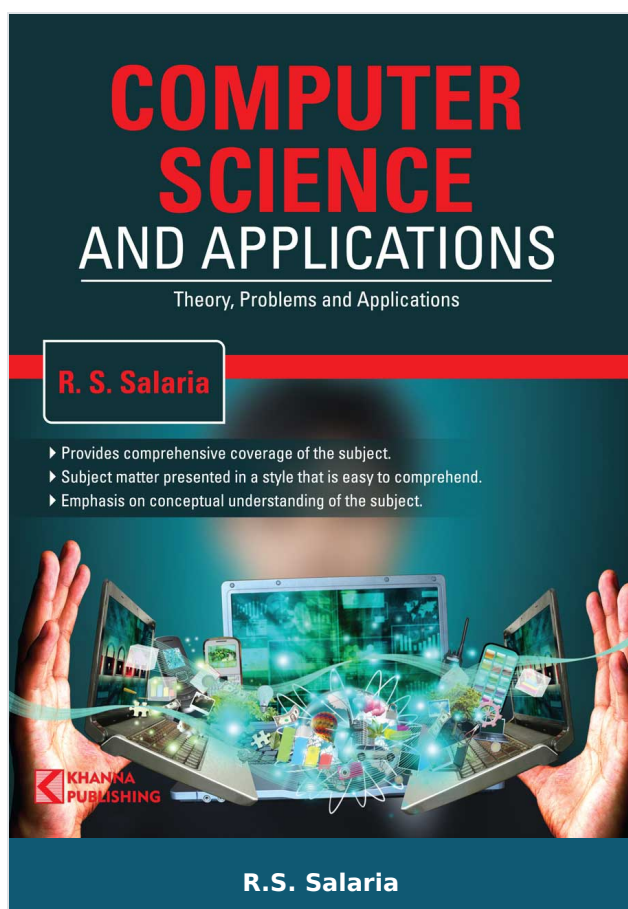
Author

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>

Amanpreet Singh

Amanpreet Singh Amanpreet Singh SGTB Khalsa College, Anandpur Sahib, Formerly with Rayat-Bahra Institute of Engineering & Nano Technology, Hoshiarpur.



Computer Science and Applications

Author :	R.S. Salaria
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

The Subject, Computer Science and Applications is introduced with the objective of empowering the students with working knowledge of Computers and problem solving & programming in C language. In addition, the topics of Computer network, Internet and WWW are also introduced to enable the students to derive maximum benefit of huge resources of information available on the Internet. The topic of data security is also included to make the students aware about the possible threats to their valuable data. It exposes the students of the potential applications of Computer in /various fields/activities related to their subject of study.

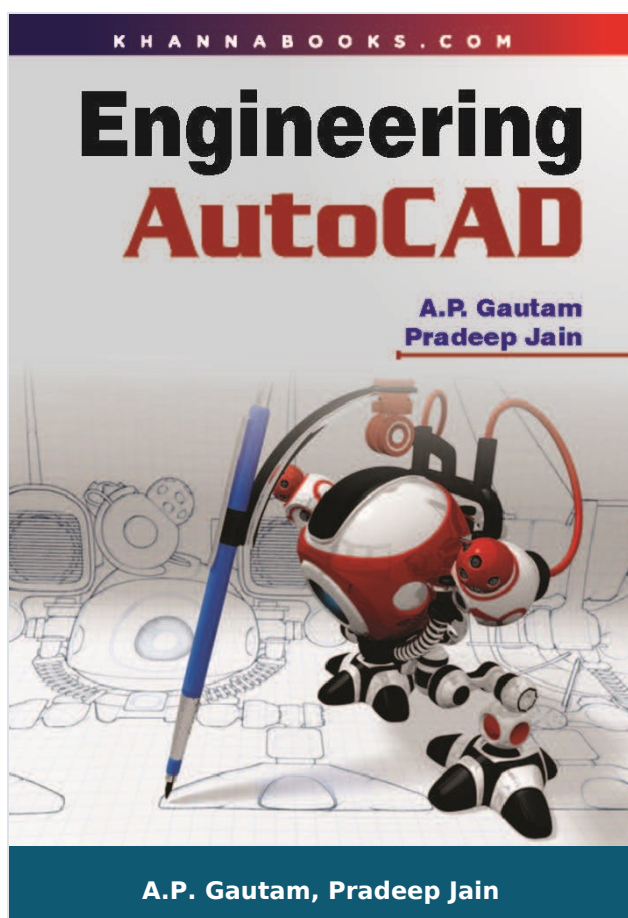
Table Of Contents

- Introduction to Computers
- Computer as a System
- Input/Output Devices
- Memories and Storage Devices
- Number Systems and Binary Arithmetic
- Operating Systems
- Computer Network
- Computer Programming
- Getting Started With C
- Fundamental Data Types in C
- Operators and Expressions in C
- Standard Input/Output in C
- Decision Making Statements in C
- Looping Statements in C
- Arrays in C
- Working With Microsoft Word 2003
- Working With Microsoft Excel 2003
- Working With Microsoft PowerPoint 2003
- Computer Viruses
- Pharmaceutical Applications
- INDEX

Author

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



Engineering AutoCAD

Author :	A.P. Gautam, Pradeep Jain
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Product Description

The books is useful for the students of B. Tech and diploma in Mechanical, Civil and B. Architect, and for the industrial persons to enhance their designing skills. This book is simple to understand included exercises and tutorials. For better understanding. objective-type questions and practice have been included at the end.

Table Of Contents

- Concept Of Engineering Drawing
- An Introduction Of AutoCAD
- AutoCAD Command Shortcuts
- Draw Toolbar
- Modify Toolbar
- Dimension Toolbar
- Layers
- Productivity Tool
- Miscellaneous Command
- Constraints
- Three Dimension Tool
- Page Setup & Plot Manager

Author

A.P. Gautam

A.P. Gautam AP Gautam has more than five year of experience in teaching and industry. He is also providing solutions in engineering design. Presently he is working in HI Tech Institute of Engineering Technology.

Pradeep Jain

Pradeep Jain has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and consultancy in CAD/ CAM field.



Computer Programming: Theory and Practicals

Author :	Satyendra Singh Chouhan
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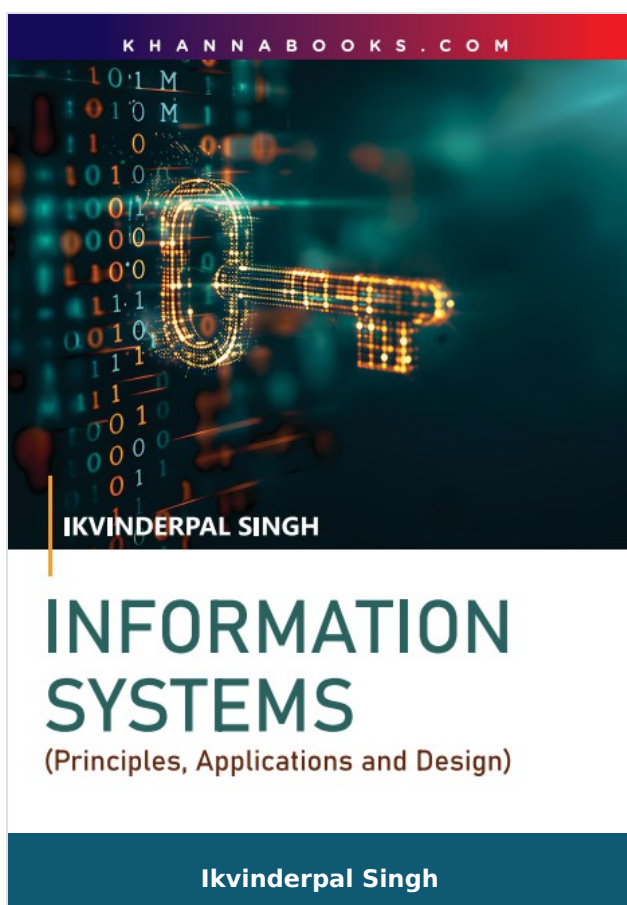
Product Description

Computer Programming: Theory and Practicals

Author

Satyendra Singh Chouhan

Dr. Satyendra Singh Chouhan Assistant Professor, Department of Computer Science and Engineering



Information Systems

Author :	Ikvinderpal Singh
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Product Description

This book discusses all the major areas in information systems with contemporary issues and their effects on business and organization. The main focus is on practical orientation and application of information systems and the emphasis is on real business scenarios. Each chapter provides spotlights on organization, technology or management related to the topics discussed. The book provides a broad treatment of the core topics of information systems. Transaction processing systems, Knowledge management systems, Office automation systems, Management Information Systems, (MIS), Decision support systems, Accounting information systems, Inventory control systems, Marketing systems, and also the ethical and social issues involved in information systems.

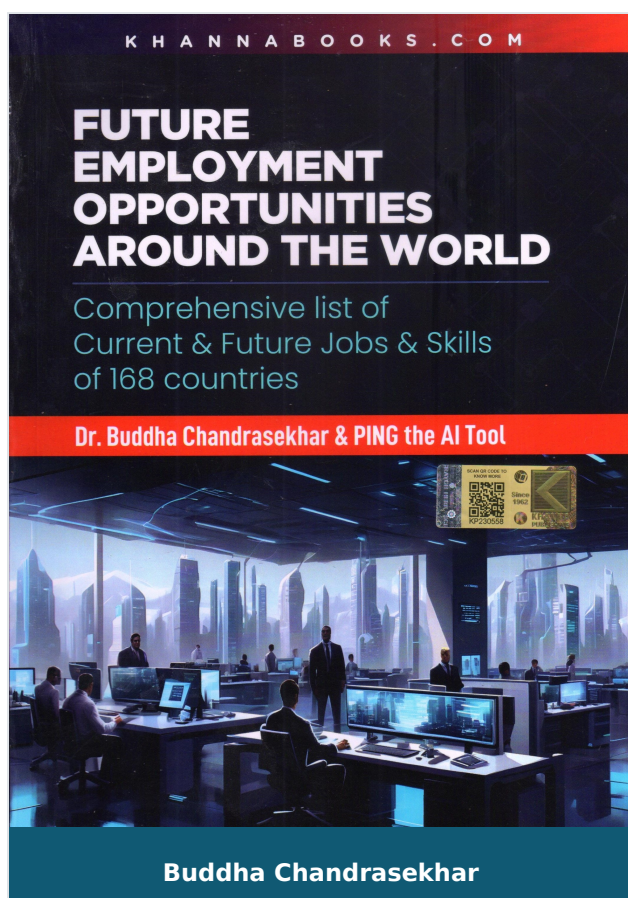
Table Of Contents

- Information Concepts
- Information Capturing And Representation
- System Concepts
- Information Systems
- Technologies For Information Systems
- Transaction Processing Systems
- Knowledge Work And Office Automation Systems
- Management Information Systems
- Decision Support Systems
- Executive Support Systems
- Case Study Of Information Systems

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.



Future Employment Opportunities Around the World

Author : Buddha Chandrasekhar

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Condition Type : New

Country Origin : India

Product Description

In today's society, it is critical to making sure that the occupation a person selects will give them the financial security and stability to be around for a long time. Often, people choose careers based on today's going fad and soon find these jobs quickly become obsolete.

How can you prepare yourself to make sure the career that you choose is the right one for you choose is the right one for you and has longevity? Here comes, our Artificial intelligence tool PING research and analyzed over 168 countries changing business models, confluence of new technologies, economic, infrastructure, current projects, digitization, labor statistics web sites, analyzed various job business models, technologies, demographics, and socioeconomic elements of the job market and created comprehensive easy to understand list of current, future jobs and skill requirements of 168 countries.

The knowledge in this one book will prepared you to select a career based on your interest and the future growth potential. Having an inside track on what the job market will look like in the future is priceless information.

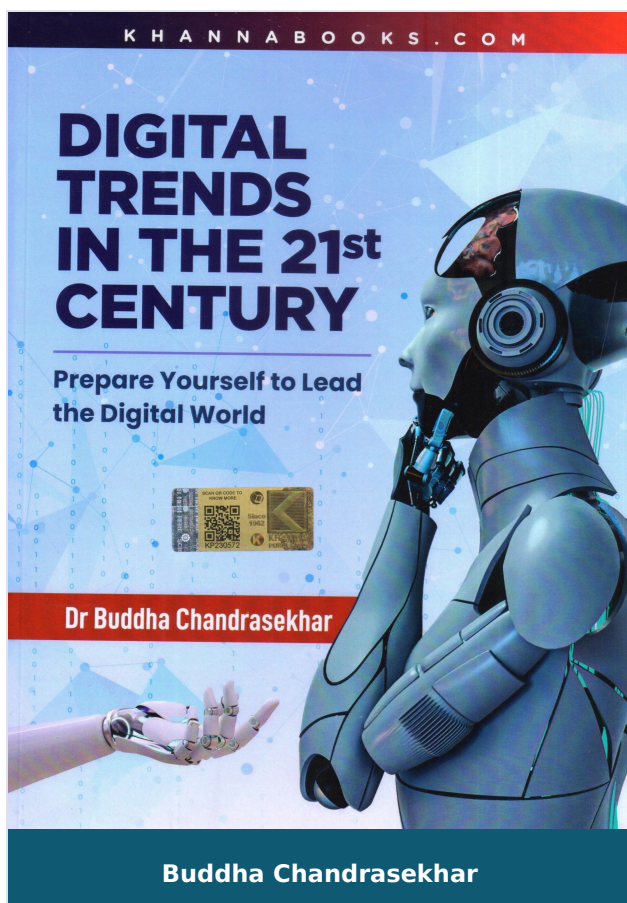
Table Of Contents

- Dr. Buddha Chandrasekhar & Ping the AI Tool

Author

Buddha Chandrasekhar

Dr. Buddha Chandrasekhar



Digital Trends in The 21st Century

Author : Buddha Chandrasekhar

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

Product Description

Our world is undergoing a series of digital transformation shifts occurring at an exponential speed. From the moment one Wake Up, to the moment one goes back to Sleep, Technology is present Everywhere.

For the First time in history, we have 4 Generations working side by side in the digital world: Traditionalist, Boomer, Gen X, and Millennial: moving from the "Write to me generation" to the "WhatsApp me generation" to the "Voice search generation" to the "multi-modal prompt based transformers.

Look around, do you see mobiles, laptops, routs, routers, monitors, LED screens, and electronic devices? Over the last 2 decades, we are living in an era of digital technology, Artificial Intelligence, Data analytics, quantum computing has dramatically changed our daily lives & the way we conduct our routine jobs.

Digital transformation is leading to rapid changes across various verticals, from Agriculture to Education to Business to Shopping everything has a profound influence on digital technology.

Digital platforms deliver immense value, enabling us to connect, collaborate and broaden our minds.

Human became " Super Digital Humans" by communicating information in thousand different ways using a digital device that fits in our pocket.

"Digital Trends in the 21st Century" book introduces readers to Digital Trends and Hyper Technology developments to lead the digital world.

Table Of Contents

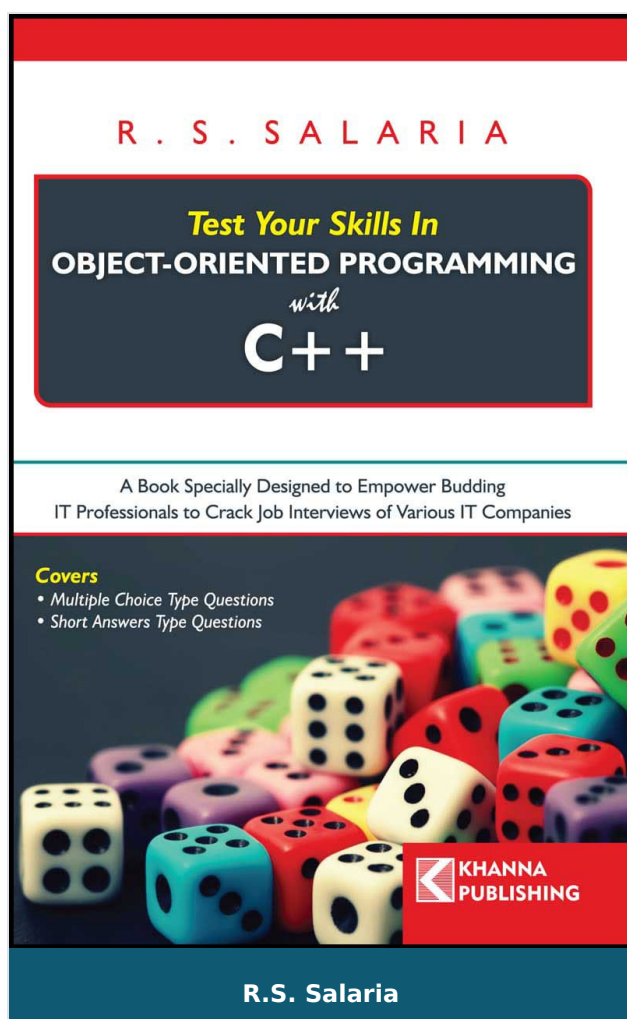
- Mobile is our External Brain
- Net-Centric Digital Society- Social Media
- 5G- Time Modern Economy- Data is God
- Video, AR, and VR are the Kings of Presentation
- Cybersecurity, Hacking, and Resilience
- Robot and Cobots
- Artificial Intelligence and Machine Learning
- Cyberization
- Digital manufacturing Industry 4.0 Fourth Industrial Evolution
- E- Happiness: Likes, Shares and Retweets
- Virtual Workplaces and Events
- Gig-based Economy (Everyone is and Enterprises)
- Social media is Friend and Foe
- 3D Printing
- Data Analytic and Data Intelligence
- Cyberwars
- Gamification
- Robots and Drones
- Personalized Information
- personalized Medicines
- Internet of Things (IoT)
- Crypto-currency
- Virtual Stores

- Personalized and Adaptive Learning
- Cloud Hosting
- Edge Computing
- Blockchain and Distributed Ledger
- ChatGPT, BoTs and MeMe Agents
- Crowdfunding
- E- Voting
- 7D Holograms
- Gesture Interface
- Digitally Controlled Fabric
- Rings for Calls and Bands for Laptops
- Face Recognition and Digital Passport
- Digital Pets
- Digital Assistants
- Smart Cities
- Digital Twins
- Natural Language Processing
- Voice Interface and Chatbots
- data Policing
- Digital Universities and Virtual Labs
- Telemedicine and Remote Patient Monitoring
- No- Code Development Platforms
- Geospatial Visualization
- Create Your E-avatar and be Immortal
- Digital Financial Transactions

Author

Buddha Chandrasekhar

Dr. Buddha Chandrasekhar



Test your skills in Object Oriented Programming with C++

Author :	R.S. Salaria
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Product Description

Object-Oriented Programming With C++ is one of the important subjects in disciplines of Computer Science and information Technology. Understanding of various Object-Oriented Programming Concepts and their implementation using C++ language is very crucial for development of quality software.

Keeping this in focus, almost all IT companies want that students must possess implementation using C++ Language.

This book gives an ample opportunity to test/evaluate your skills in Object-Oriented Programming Concepts and their implementation using C++ Language.

Table Of Contents

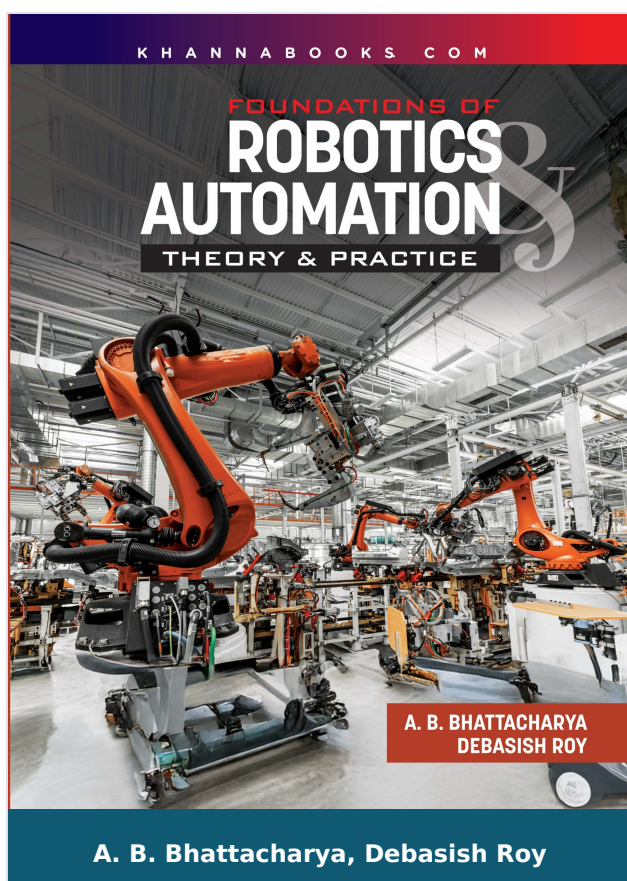
- Some Useful Tips
- Object-Oriented Programming Concepts
- Functions in C++
- Pointers in C++
- Classes and Objects
- Constructor and Destructors
- Operator Overloading and Type Conversion
- Inheritance
- Virtual Function and Polymorphism
- Exception Handling
- Templates and Generic Programming
- Input/Output in C++
- Appendix
- Glossary

Author

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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>



Foundations of Robotics & Automation (Theory & Practice)

Author : A. B. Bhattacharya, Debasish Roy

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Condition Type : New

Country Origin : India

Product Description

Salient Features of the Book :

1. Evolution of Robotics and Automation : Traces the fascinating of robotics from mechanical origins to cutting- edge automation.
2. Linear Algebra : Essential for solving complex robotics challenges using vectors, matrices , and transformations.
3. Calculus : A powerful tool for modeling and controlling robotic systems with precision and agility.
4. Differential Equations : Vital for understanding the dynamic behavior of robotic systems and automating processes.
5. Probability and statistics : Key for decision- making hypothesis testing, and driving machine learning in robotics.
6. Control Theory : Mastering the behavior of dynamic systems through feedback loops and stability analysis.
7. Kinematics and Dynamics : Analyses motion and force, essential for understanding robotic movement and interaction.
8. Machine Learning and AI : Explores intelligent systems that adapt, learn, and revolutionize automation.
9. Graph Theory : Solves real- world problems by analyzing networks and connections across domains.
10. Numerical Methods : Provides computational techniques for practical solutions to engineering challenges.

11. Signal processing : Interprets and analyses vast streams of data in the digital landscape for better decision -making.
12. Optimization : Focuses on finding the most efficient solutions for enhancing robotic performance.
13. Computer Vision : Enables robots to perceive and interpret their environment through AI- driven imaging.
14. Quantum Computing : Explores the future of robotics with quantum-level computation, unlocking unimaginable potential.

This book offers a profound blend of theory and practice, charting the path toward the next generation of intelligent robotics & automation.

Table Of Contents

- Evolution of Robotics and Automation.
- Linear Algebra for solving Complex Problems of Robotics and Automation.
- Calculus as the Mathematical Framework for Modeling, Analyzing and Controlling Robotics Systems.
- Differential Equations in Modeling and Analyzing Various Aspects of Robotics and Automation.
- Probability and Statistics as Hypothesis Testing, Experimental Design and Machine Learning.
- Control Theory with the Study of controlling the behavior of Dynamics Systems.
- Kinematics and Dynamics in the Study of Motion and the Behavior of Object and System.
- Machine Learning and Artificial Intelligence as applied in Robotics and Automation.
- Graph Theory in Solving Real-World Problems Across Different Domains.
- Numerical Methods to obtain Practical Solutions by using Computational Algorithms and Techniques.
- Signal Processing for analyzing Vast Data Generated in Digital World.
- Optimization Process of finding the Best Possible Solution from a Set of Available Option.
- Computer Vision as a Field of Artificial Intelligence.
- Quantum Computing a Applied to Robotics and Automation.

Author

A. B. Bhattacharya

Prof. A. B. Bhattacharya did his MSc and PhD degree from the University of Calcutta in Physics and Post-doc from the Massachusetts Institute of Technology (MIT), Cambridge, USA. He worked in close collaboration with the leading laboratories like Lincoln Laboratory; Milestone Hill Observatory; Earth, Atmospheric and Planetary Sciences division of MIT and many other well recognized laboratories in India and abroad. He

served as Professor & Head of the Department of Physics, University of Kalyani; Dean of Research and Head of the ECE Department, Techno India University; Pro Vice Chancellor of JIS University and Director of Brainware University. He has published 32 text books for Science and Engineering students, two popular books for general readers and over 400 research articles in reputed International Journals. Under his supervision 24 scholars received their doctoral degree. He is a fellow of the Institute of Electronics and Telecommunication Engineers and member of many scientific organizations. India International Friendship Society awarded him the prestigious "Shiksha Ratna Award" and Certificate of Excellence for meritorious services, outstanding performance and significant contribution to education. The International Institute of Success Awareness honored him with their globally recognized "Glory of India Gold Medal" for his outstanding contribution to the national stature of India. A few words from the certificate issued by Prof. Williams of MIT may be quoted "Our collaborative effort was directed at the wavelength dependence of radar echoes observations with the Millstone Hill UHF radar in Westford. He made use of the Charles River Data System computer in the Weather Radar Laboratory for these calculations. His results help to make a convincing case that the volume reflectivity associated with lighting is a diminishing function of radar wavelength, contrary to contemporary thinking". Dr.

Debasish Roy

Dr. Debasish Roy is a highly accomplished and motivated professional with a robust academic background in Information Technology, including an MCA, MBA M. Tech, and PhD. He was currently the Director General(Railways) at a top-level position in the Indian Police Service (IPS). He received the Indian Police Medal and President's Police Medal in 2000 and 2010. He is well known for pioneering contributions in land mobile radio systems. He is highly recognized for spearheading strategic planning and execution of security measures for the railways network, implementing innovative technologies to enhance railway security and counteract emerging day-to-day operations efficiently. He

has provided expert guidance on implementing land mobile radio system for public safety agencies and conducted groundbreaking research in cryptanalysis, leading to development of advanced techniques for enhancing cyber security. He successfully led a team in designing and implementing secure communication protocols for land mobile radio systems, ensuring robust and encrypted communication. He has published numerous research papers in reputed conferences. He mentored and guided students at the postgraduate and doctoral levels. He has a proven track record of effective leadership and team management, besides all his strategies planning and execution in high-stakes environments. He received many honors and awards for his outstanding contributions to the field and was recognized for exceptional leadership and innovation in technology-driven security initiatives. He completed an Executive Program in Quantum Company and Machine Learning from IIT Delhi in 2023. He participated in the Workshop on Machine Learning for Cryptology (ML4Crypto 2023) at ISI, Kolkata from November 8-10, 2023, organized by SAG, DRDO. His recent paper on " Iterative Quantum Algorithm for Linear System Solving" has been accepted at the International Conference SAI, Computing, 2024 London, organized by Microsoft Corporation.