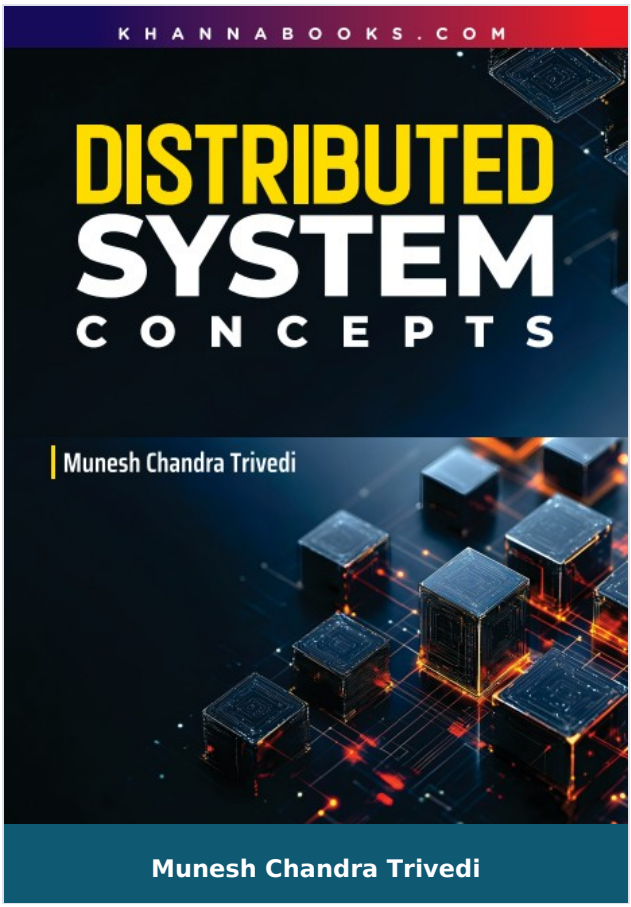


Distributed System Concepts

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Country Origin :	India

Product Description

There are many books available in the market on the proposed topic but none of them can be termed as comprehensive, Besides, students face problem in understanding the language of the books, seeing these problems, it struck our mind that we should come up with a book in Distributed System Concepts, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.

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- Process Concept
- Limitation of Distributed System
- Distributed Deadlock Detection
- Distributed File System
- Distributed Object and Remote Invocation
- Security
- Transaction and Concurrency Control
- Distributed Transactions
- Replication
- Communication Protocol
- Corba and Rmi
- Appendix

Author

Munesh Chandra Trivedi

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

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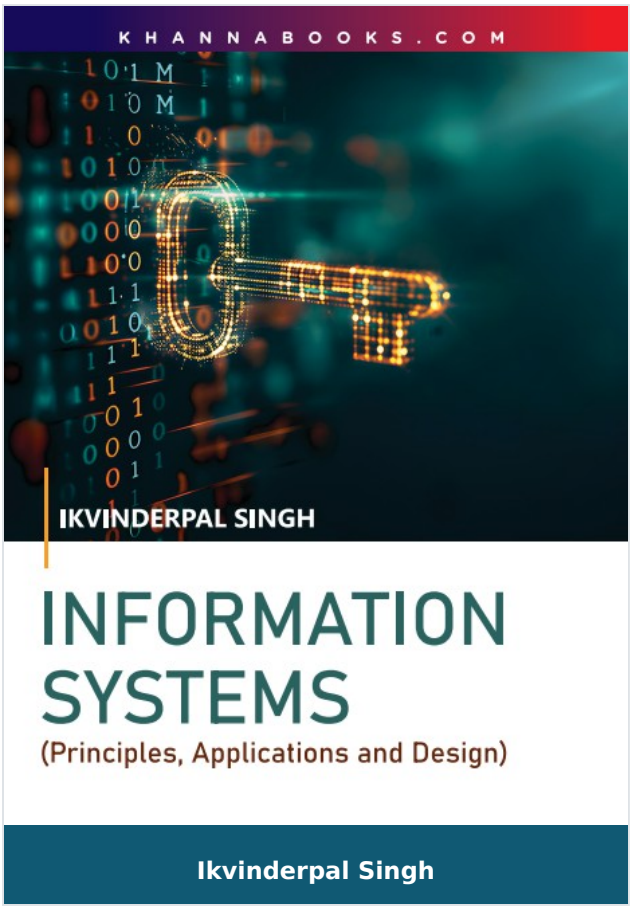
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Azamgarh. He had successfully filed 81 patents (65 National and 16 International Patents (Germany, South Africa, and Australia)), out of which 40 patents were granted. He has published 12 textbooks and 168 research papers in different International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

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Information Systems

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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 in on practical orientation and application of information systems and the emphasis in on real business scenarios. Each chapter provides spotlights on organization, technology or management related to the topics discussed. The book provides a board 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.

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- Knowledge Work And Office Automation Systems
- Management Information Systems
- Decision Support Systems
- Executive Support Systems
- Case Study Of Information Systems

Author

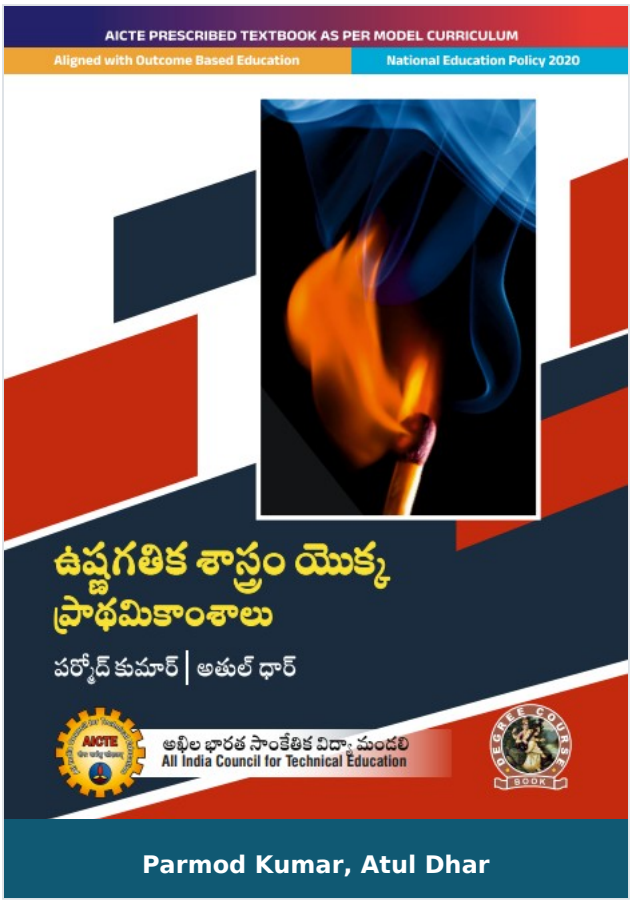
Ikvinderpal Singh

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.

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Author

Parmod Kumar

Dr. Parmod Kumar Assistant Professor, School of Mechanical and Materials Engineering, IIT Mandi Dr.

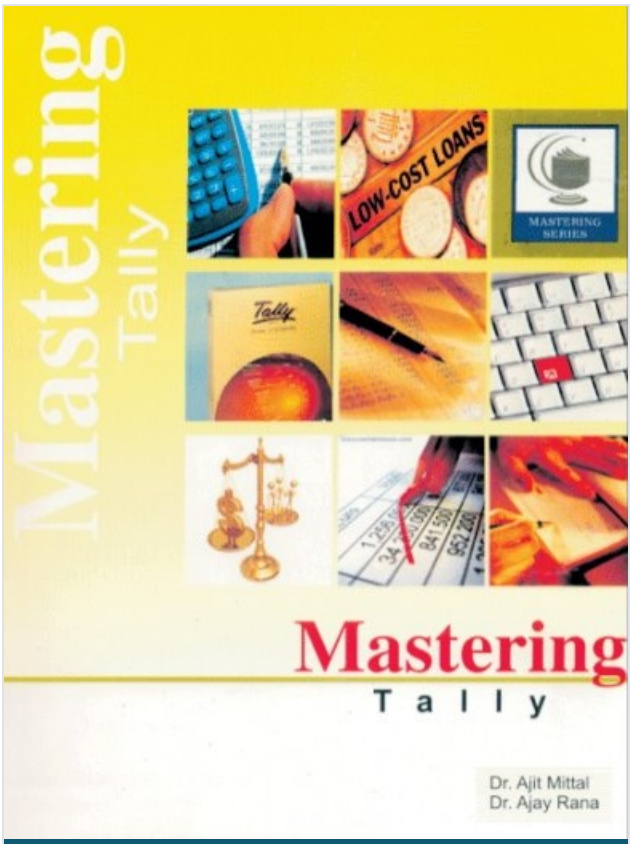
Atul Dhar

Dr. Atul Dhar Associate Professor, School of Mechanical and Materials Engineering, IIT Mandi

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Ajit Mittal, Ajay Rana

Mastering Tally

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Product Description

Tally is an accounting software, very popular with the accountants and other computer users who need to do some accounting over the computer. It not only helps you in maintaining the accounts, but also helps you in taking care of your inventory, billing, invoicing, payroll, etc. No wonder it is the most popular one amongst its competitors. Various versions of the software are available in the market, with the latest being tally.ERP9. (version 2.1). This book, one of its kinds available in the market, is unique in nature since it covers all the versions in a single book. It traces back the various aspects of the software through the various options introduced in various versions. Obviously these options are there in the final version too, but it is important to know when and where they were introduced. So these topics are covered where they were introduced and not as part of the latest version, i.e., version 9.0. The versions covered here are from 7.2 to 9.0.

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- Keyboard Shortcut of Tally

Author

Ajit Mittal

Dr. Ajit Mittal M. Com. Ph.D. (U.P) MBA (Finance) Professor, Amity International Business School, Amity University , Noida. "

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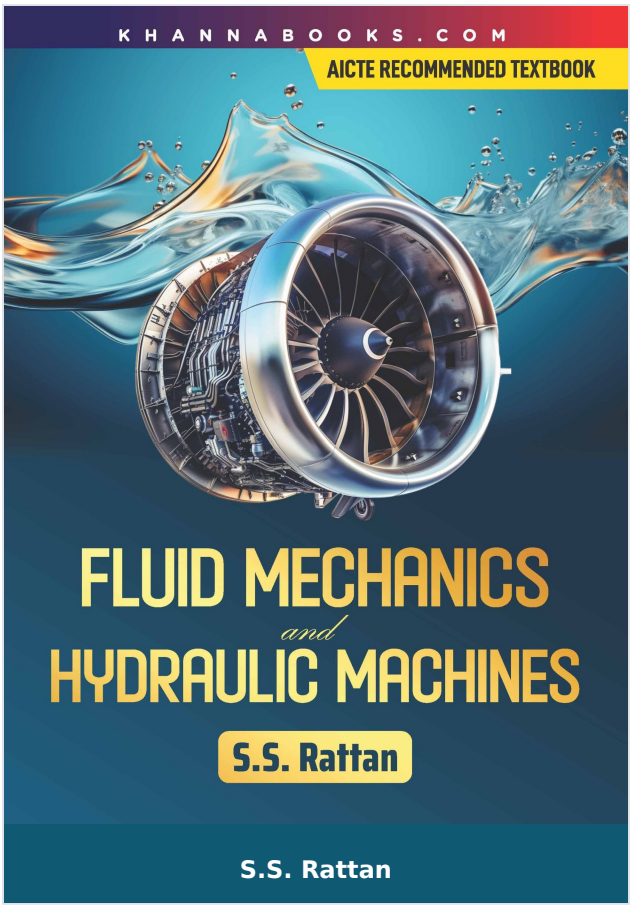
Ajay Rana

Dr. Ajay Rana Professor, Department of Computer Science & Engineering Dean and Director, Amity University 30+ patents under his name in the field of IoT, Network & Sensors 279+ Research publications Co-authored 6 Books Completed 30 Sponsored Research Projects Senior member, Academic Council & Executive Council, Amity University Strong corporate connect

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Fluid Mechanics and Hydraulic Machines

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Product Description

Written in an innovative style, this book in SI system of units is a complete treatise on fluid mechanics and hydraulic machines. It presents the subject matter in an explicit, lucid and comprehensive manner. Simple mathematical models have been used to describe the intricate physical concepts.

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- Notches and Weirs
- Dimensional Analysis
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- Turbulent Flow
- Pipe Flow
- Flow in Open Channels
- Boundary Layer Theory
- Immersed Bodies
- Compressible Flow
- Impact of Jets
- Hydraulic Turbines
- Hydraulic Pumps
- Miscellaneous Fluid Machines

Author

S.S. Rattan

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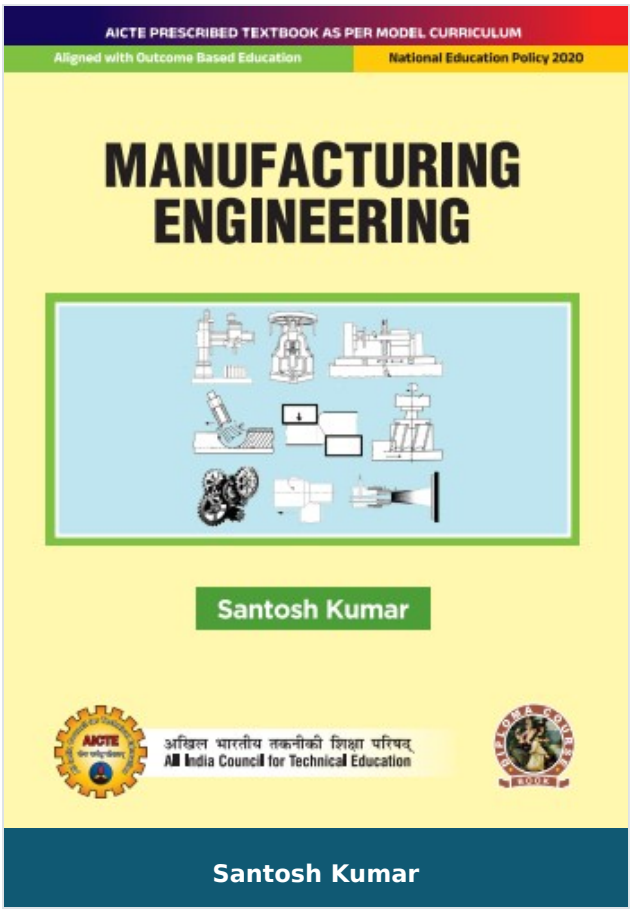
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Dr. S.S. Rattan is currently Assistant Professor in the Department of Mechanical Engineering at the Regional Engineering College, Kurukshetra. He did his post graduation in Mechanical Engineering from Punjab Engineering College, Chandigarh in 1981. Since then he has been engaged in teaching and researching. He obtained his Ph.D. degree from Kurukshetra University in 1995 in the field of Tribology. He has authored several papers which have been published in national and international journals. He is also the author of two other books-Theory of Machines and Fluid machines. He is a member of Society of Fluid Mechanics and Fluid Power India.

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Manufacturing Engineering

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Product Description

Manufacturing Engineering

A student is always curious to make his idea converted into physical form as a useful product or a device. A product may consist of many sub assembly or components and need to be manufactured physically using some engineering materials like metals. Polymer, composites or ceramics. Such material can be converted into a given shape and sizes using basic manufacturing process like machining, forming, grinding, finishing, polishing, welding of press working etc. therefor it is very important for mechanical, production, manufacturing and materials engineers to have a systematic understanding on fundamentals of manufacturing practices and engineering that affect process selection and its parameters as per the need of an application. The book entitled `manufacturing Engineering' is developed as per the model curriculum of AICTE, New Delhi for 2nd year of Diploma students on subject `Manufacturing Engineering'.

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.

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

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- Gear Making and Press Working
- Unit Summary
- Exercises
- Practicals
- Know more
- Suggested Resources for Further Reading/Learning
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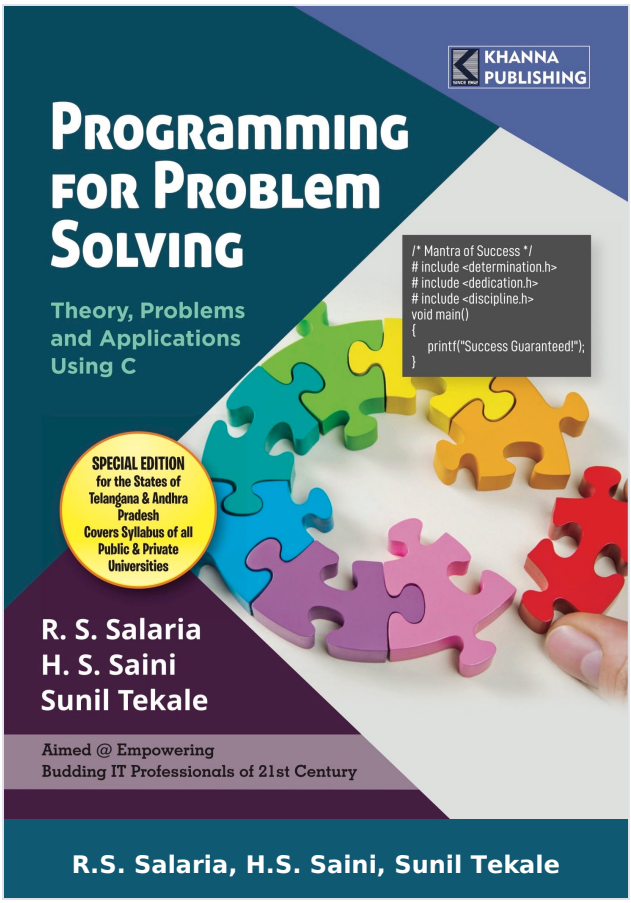
Santosh Kumar

Prof. Santosh Kumar, Former Professor of Civil Engineering at the Bihar College of Engineering/NIT Patna, obtained his Bachelor's degree in Civil Engineering from Regional 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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Programming for Problem Solving

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Product Description

This book is specially conceived with an aim to serve not only as a textbook to cover the syllabus of public & public universities, rather a intelligent book (i-book) that empowers readers to acquire 21st century problem solving skills and sharp coding skills.

Therefore, keeping in mind the requirements of 21st Century, a special emphasis is laid on the following aspects:

Designed keeping in mind the objectives of OUTCOME BASED EDUCTION.

Simple and lucid language that language that enables even an average reader to grasp the fundamental concepts of the subject.

Illustrative examples (165+ in number) ti demonstrate the application of the concepts.

Multiple Choice questions (225+ in number) to provide an opportunity for self-assessment of the fundamental concepts learned.

Short-answer type questions (192+ in number) to provide an opportunity to synthesize the fundamental concepts learned to answer precisely.

Programming exercises (112+ in number) to provide an opportunity to harness their coding skills.

Coding problems (42+ in number) from the IT/IT-enabled industry perspective to conquer the screening phase of the placement process.

Frequently asked questions (43 in number) to conquer the technical round of the CAMPUS PLACEMENT PROCESS with flying colors.

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- Coding/Programming Problems for Campus Placements
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- Program Solving and Program
- Overview of C Language
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- Operator and Expressions
- Console Input/Output
- Decision Making and Branching
- Decision Making and Looping
- User-Defined Functions
- Arrays and Strings
- User-Defined Data Types: Structure, Union & Enumeration
- Pointers & Dynamic Memory Management
- File Handling
- Preprocessor Directives
- Introduction to Algorithms
- Appendix A : Answers of MCQs
- Appendix B : FAQs for Oral Examination
- Appendix C: Solution of Selected Programming Exercises

Author

R.S. Salaria

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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

H.S. Saini

Prof. H.S. Saini Professor, Computer Science & Engineering Managing Director, Guru Nanak Group of Institutes, Hyderabad Taught at University of Westminster and Oxford Brookes University, UK Founder and Chief Editor of Journal of Innovation in CS/ECE/IT Recipient of Eminent Academia Award from Indus Foundation Mentored half a dozen startups in the state of Telangana Key member on the panel of NBA & NAAC expert committees Expert in the field of Fuzzy Systems, AI, Knowledge Based Systems and Web Technologies Established Industry-Academia Collaborations, Foreign University Collaborations and Centers of Excellence in Cutting Edge Technologies

Sunil Tekale

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Introduction to IT Systems (with Lab Manual)

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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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- Foreword,
- Acknowledgement,
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- Internet skills and computer Basics
- Operating Systems
- HTML AND CSS
- Open Office Tools
- Information Security Best Practices
- Annexure
- Appendices
- Index

Author

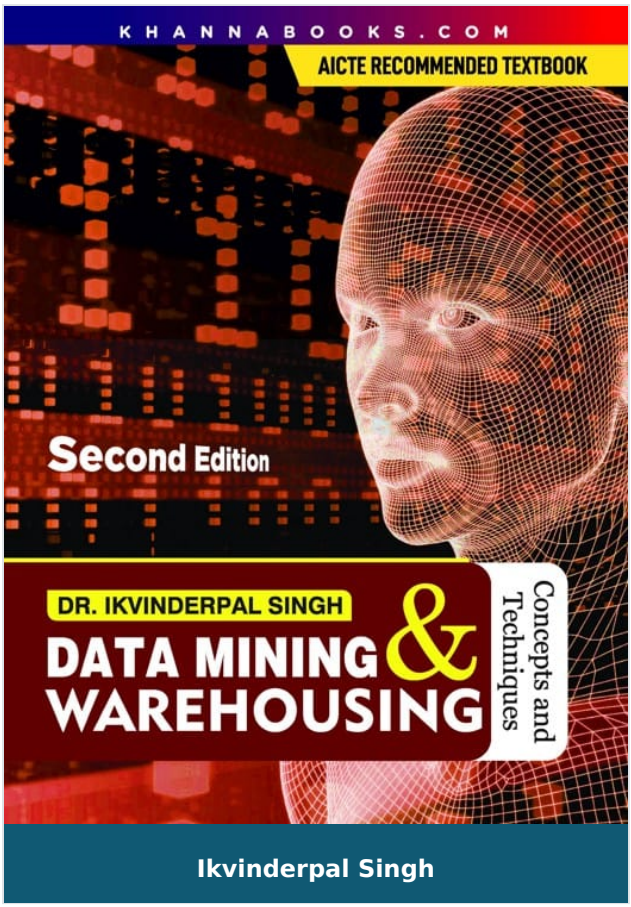
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Data Mining & Warehousing

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Product Description

This book has numerous features that make it a winner, The order of topics is very logical, The choice of topics is quite appropriate for a comprehensive introductory book. The subject matter is logically structured, with chapters covering essential components of the data mining and warehousing field. The sequence of topics is well planned to provide a seamless transition from design to implementation. Within each chapter, the continuity of topics is excellent. The figures appropriately enhance and amplify the topics. The exercises can be found at the end of each chapter.

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- Data Warehousing
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- Data Warehouse Implementation
- Data Warehouse Back-End tools And Utilities
- Data Mining
- Applications And Trends In Data Mining

Author

Ikvinderpal Singh

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Product Description

This textbook “Engineering Graphics and Design” is based on the latest outcome based model curriculum of the AICTE. The book covers complete syllabus catering requirements of all major technical universities and institutes and provides insights into traditional engineering graphics as well as treats of the subject using 2D and 3D design software. It offers technical details, current standard, real world examples and clearly explains theory and technique in highly visual and concise format. The topic covered in this book are arranged into 9 chapters comprising self-explanatory diagrams and solved examples.

Salient Features:

1. Introduction of Engineering Drawing
2. Orthographic Projection
3. Projection of Solids
4. Section of Solids and Development of Surfaces
5. Isometric Projection
6. Overview of Computer Graphics
7. CAD Drawing
8. Solid Modelling
9. Team Design Project.

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