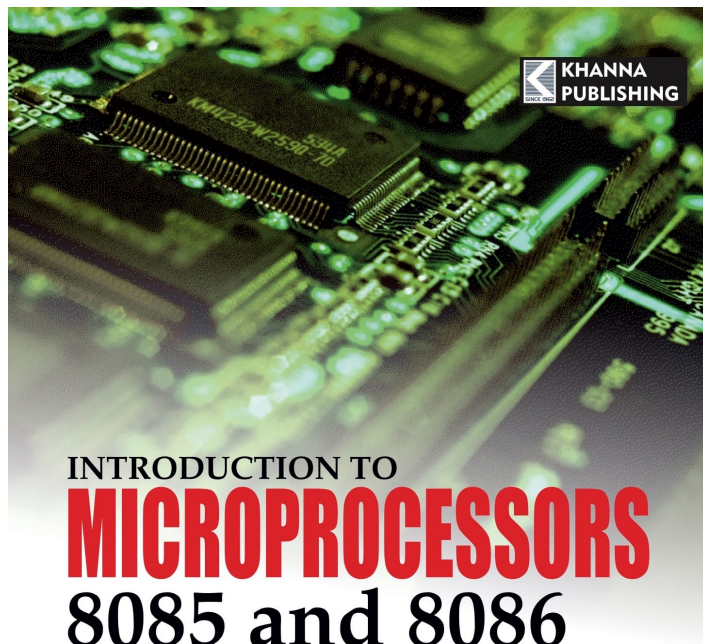
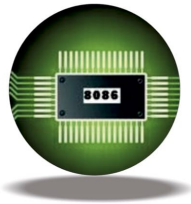




INTRODUCTION TO **MICROPROCESSORS** 8085 and 8086

Architecture, Interfacing and Programming

Rachhpal Singh
Ikvinderpal Singh
Jagbir Singh Virk



Introduction to Microprocessors 8085 and 8086

Author :	Ikvinderpal Singh
ISBN 13 :	978-93-80016-57-3
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E-ISBN 13 :	978-93-80016-57-3
Edition :	First
Pages :	476
Type of book :	Paperback
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 550.00
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

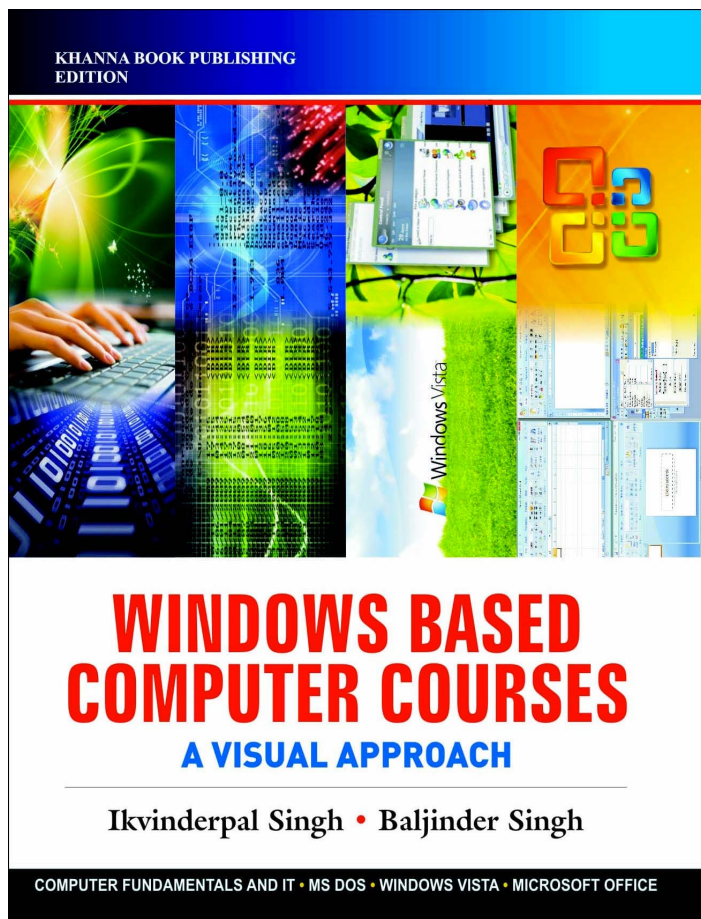
Written with the beginner in mind, this book provides an exceptionally clear and precise detail of microprocessors. Its approach is explanatory and language is lucid and communicable. Each and every microprocessor described with the help of internal architecture its pin diagram and interfacing to have clear ideas lucid presentation of instruction set of each microprocessor.

Table of Contents

Chapter 1: 8085 Microprocessors. **Chapter 2:** 8085 Instruction Classification. **Chapter 3:** 8086 Microprocessor. **Chapter 4:** 8086 Instruction Set. **Chapter 5:** Assembly Language. **Chapter 6:** 8237 DMA Controller. **Chapter 7:** 8255 Programmable Peripheral Interface. **Chapter 8:** 8253/8254 Programmable Timer/Counter. **Chapter 9:** 8259 Programmable Interrupt Controller. **Chapter 10:** 8251 USART. **Chapter 11:** RS232C.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming. **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.



Windows Based Computer Courses

Author :	Ikvinderpal Singh
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E-ISBN 13 :	978-93-81068-35-9
Edition :	First
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Condition Type :	New
Country Origin :	India

Product Description

This book is meant for a wide range of readers who wish to learn the basic concepts of computer fundamentals, MS DOS, window vista and Microsoft office 2003. In this book we cover all basic concepts of first year computer courses of various Indian Universities in a systematic and simplified manner. While writing this book, it was kept in mind to include only the relevant topics so that it is useful both for learning and reference purpose.

Table of Contents

Unit 1: Computer Fundamentals And Information Technology **Unit 2:** MS DOS. **Unit 3:** Windows Vista. **Unit 4:** Microsoft Office 2003. **Unit 5:** Microsoft Word 2003. **Unit 6:** Microsoft Excel 2003. **Unit 7:** Microsoft PowerPoint 2003. **Unit 8:** Microsoft Access 2003.



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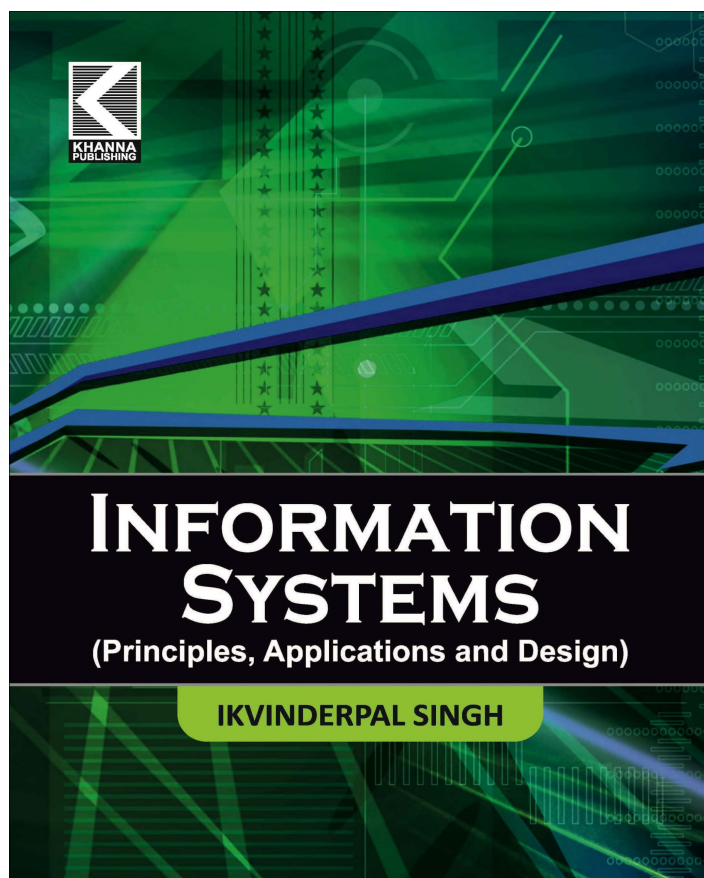
4C/4344, Ansari Road, Daryaganj, New Delhi-110002

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Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Information Systems

Author :	Ikvinderpal Singh
ISBN 13 :	978-93-82609-33-9
ISBN 10 :	93-82609-33-4
E-ISBN 13 :	978-93-82609-33-9
Edition :	1
Pages :	416
Type of book :	Paperback
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Year :	2014
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 325.00
Categories :	Computer Science Engineering
Condition Type :	New
Country Origin :	India

Product Description

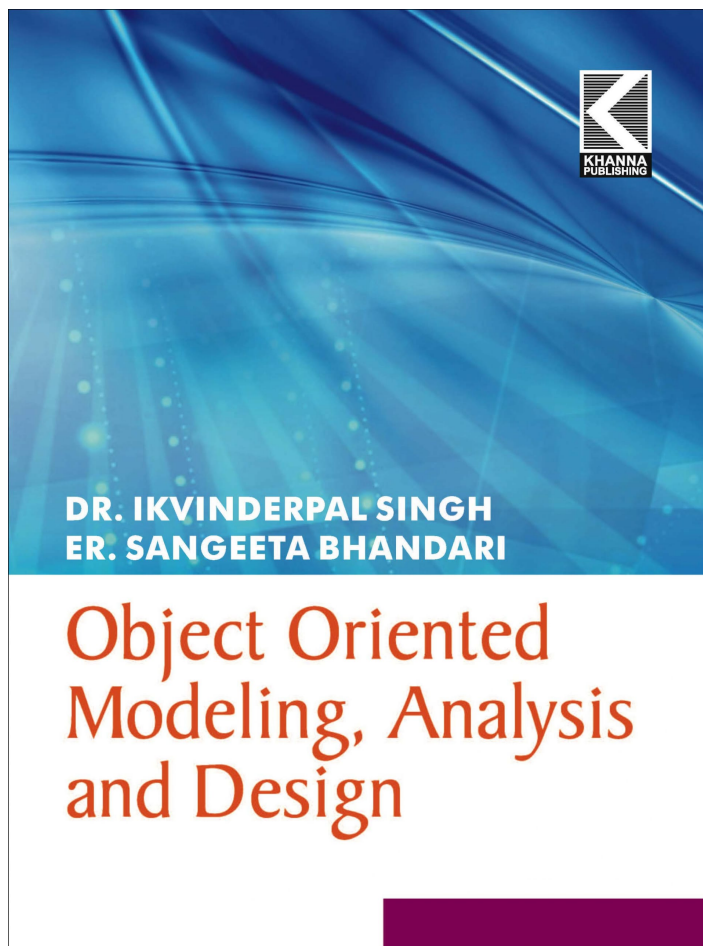
This book discusses all the major areas in information systems with contemporary issues and their effects on business and organization. The main focus is on practical orientation and application of information systems and the emphasis is on real business scenarios. Each chapter provides spotlights on organization, technology or management related to the topics discussed. The book provides a 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.

Table of Contents

Chapter 1: Information Concepts. **Chapter 2:** Information Capturing And Representation. **Chapter 3:** System Concepts. **Chapter 4:** Information Systems. **Chapter 5:** Technologies For Information Systems. **Chapter 6:** Transaction Processing Systems. **Chapter 7:** Knowledge Work And Office Automation Systems. **Chapter 8:** Management Information Systems. **Chapter 9:** Decision Support Systems. **Chapter 10:** Executive Support Systems. **Chapter 11:** Case Study Of Information Systems.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.



Object Oriented Modeling, Analysis and Design

Author :	Ikvinderpal Singh
ISBN 13 :	978-93-82609-41-4
ISBN 10 :	93-82609-41-5
E-ISBN 13 :	978-93-82609-41-4
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M.R.P :	Rs 325.00
Categories :	Computer Science Engineering
Condition Type :	New
Country Origin :	India

Product Description

This book presents an object oriented approach to software development based on modeling objects from the real world and then using the model to build a language independent design organized around those objects. This book describes a set of object oriented concepts and a language independent graphical notation can be used to analyze problem requirements, design a solution to the problem, and then implement the solution in a programming language or database. This book can be used as a textbook for a graduate or postgraduate course on object oriented technology. It can be used as a supplementary text for courses on databases or programming languages.

Table of Contents

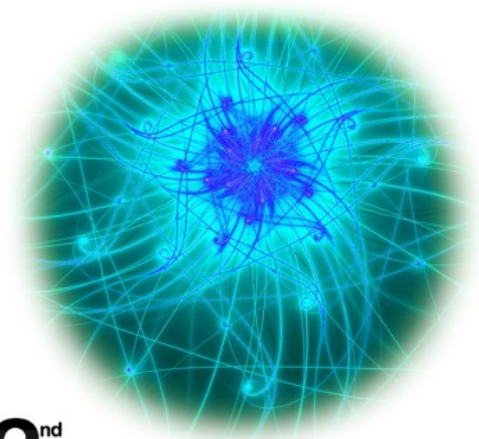
Chapter 1: Introduction. **Chapter 2:** Object Oriented Concepts. **Chapter 3:** Object Oriented Modeling: UML. **Chapter 4:** Object Oriented Modeling: Use Cases. **Chapter 5:** Object Oriented Analysis. **Chapter 6:** Object Model. **Chapter 7:** Advanced Object Model. **Chapter 8:** Dynamic Model. **Chapter 9:** Functional Model. **Chapter 10:** System Design. **Chapter 11:** Object Design.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.

COMPILER DESIGN

(Principles, Techniques and Tools)



2nd
Edition

Dr. Ikvinderpal Singh

Compiler Design

Author :	Ikvinderpal Singh
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Edition :	2
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Language :	English
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M.R.P :	Rs 395.00
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Country Origin :	India

Product Description

Compiler Design is a subject which many believe to be fundamental and vital to computer science. It is a subject which has been studied intensively since the early 1950's and continues to be an important research field today. It is intended for both students and practitioners, retaining its appeal as a guide to the industry professional and a comprehensive introduction to the student at the upper level undergraduate or first year graduate level.

Table of Contents

Chapter 1: Basics Of Compilers. **Chapter 2:** Lexical Analysis. **Chapter 3:** Syntax Analysis. **Chapter 4:** Symbol Table Handling. **Chapter 5:** Storage Management. **Chapter 6:** Intermediate Code Generation. **Chapter 7:** Code Generation. **Chapter 8:** Code Optimization. **Chapter 9:** Types Of Compilers.



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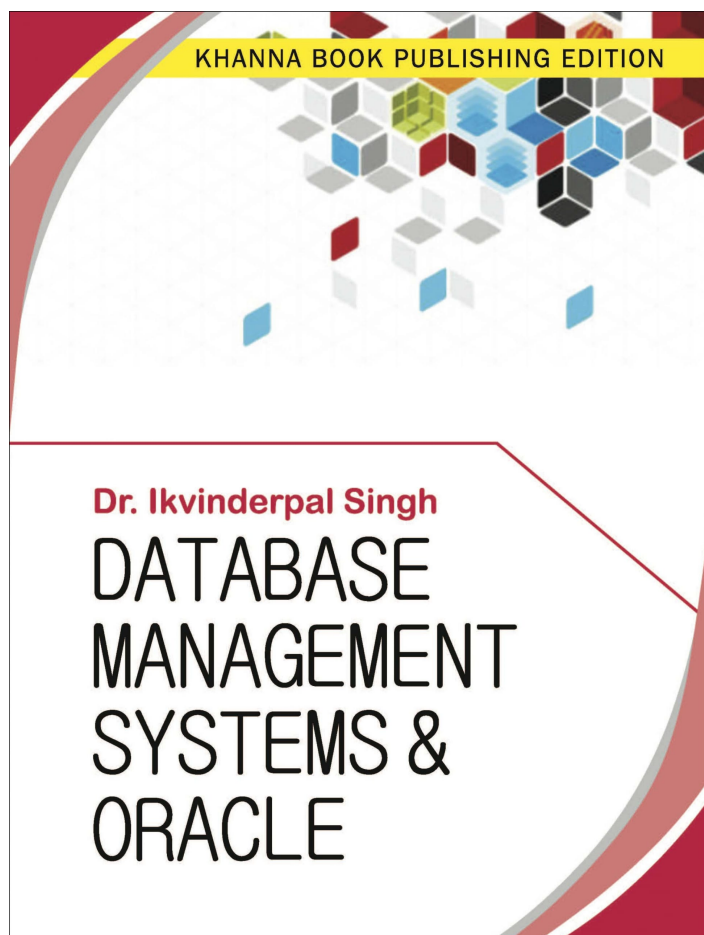
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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Author

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Database Management Systems & Oracle

Author :	Ikvinderpal Singh
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Edition :	1
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Publisher :	Khanna Publishing House
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Categories :	Computer Science Engineering
Condition Type :	New
Country Origin :	India

Product Description

The database is now the underlying framework of the information system, and has fundamentally changed the way many organizations operate. In particular, the developments in this technology over the last few years have produced systems that are more powerful and more intuitive to use. This has resulted in database systems becoming increasingly available to a wider variety of users. The objectives of this book, therefore, are to provide a textbook that introduces the theory behind database as clearly as possible and, in particular, to provide a methodology for database design that can be used by IT professionals, such as systems analysts or designers, application programmers, systems programmers, database practitioners, and for independent self-teachers.



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Table of Contents

Chapter 1: Database Concepts. **Chapter 2:** Data Models. **Chapter 3:** Entity Relationship Model. **Chapter 4:** Relational Database Model. **Chapter 5:** Relational Algebra And Calculus. **Chapter 6:** Normalization. **Chapter 7:** Transaction Processing. **Chapter 8:** Concurrency Control. **Chapter 9:** Database Recovery. **Chapter 10:** Database Security And Integrity. **Chapter 11:** Distributed Databases. **Chapter 12:** Oodbms and Kbms.

UNIT-I

Chapter 1: Introduction To Oracle. **Chapter 2:** Introduction To Sql. **Chapter 3:** More On Sql. **Chapter 4:** Sql Performance Tuning.

UNIT-2

Chapter 1: Introduction To Pl/Sql. **Chapter 2:** Pl/Sql Datatypes. **Chapter 3:** Pl/Sql Control Statements. **Chapter 4:** Pl/Sql Transactions And Concurrency Control. **Chapter 5:** Pl/Sql Cursors. **Chapter 6:** Pl/Sql Subprograms. **Chapter 7:** Pl/Sql Database Triggers. **Chapter 8:** Handling Pl/Sql Errors.

Author

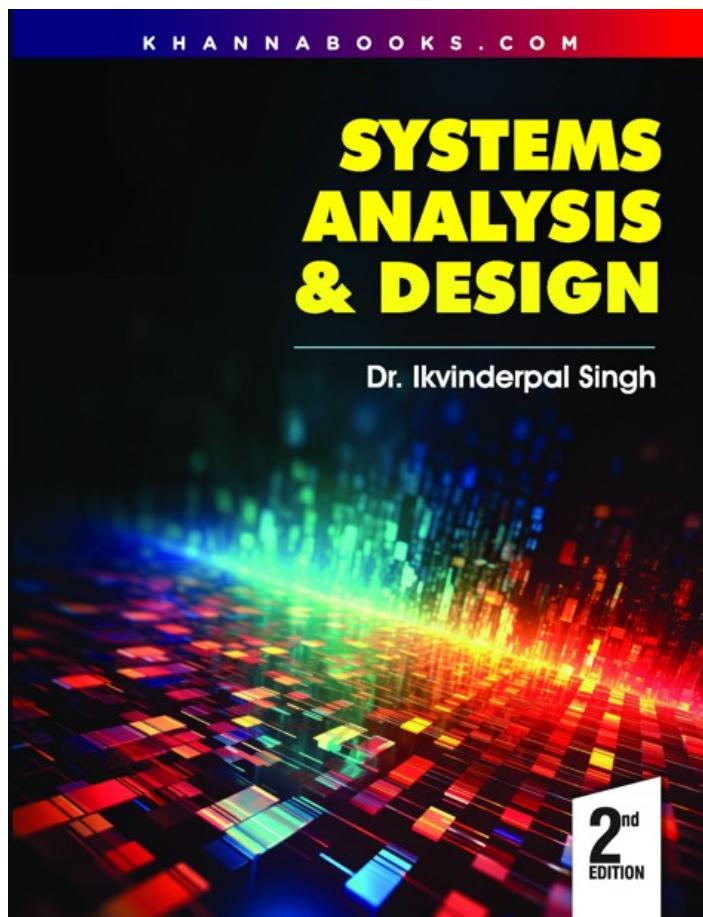
Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.



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Systems Analysis and Design

Author :	Ikvinderpal Singh
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E-ISBN 13 :	978-93-55389-78-7
Edition :	2
Pages :	648
Type of book :	Paperback
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Year :	2024
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 699.00
Categories :	Computer Science Engineering
Condition Type :	New
Country Origin :	India

Product Description

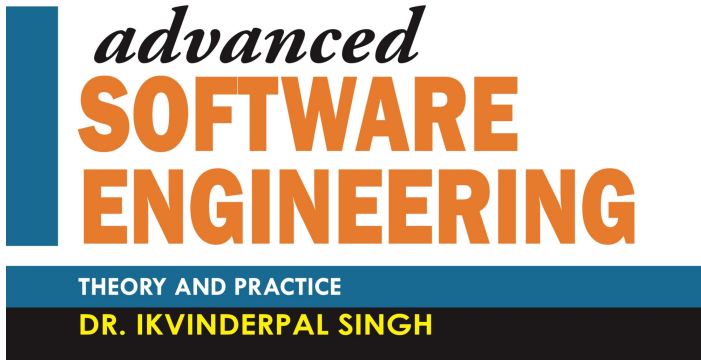
Systems analysis and design (SAD) is an exciting, active field in which analysts continually learn new techniques and approaches to develop systems more effectively and efficiently. However, there is a core set of skills that all analysts need to know no matter what approach or methodology is used. All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

Table of Contents

Chapter 1: System Analysis & Design. **Chapter 2:** System Development Life Cycle. **Chapter 3:** Requirement Analysis & Problem Definition. **Chapter 4:** Feasibility Study. **Chapter 5:** Information Gathering. **Chapter 6:** Cost Benefit Analysis. **Chapter 7:** System Analyst. **Chapter 8:** Input & Output Design. **Chapter 9:** System Design: Modular Approach. **Chapter 10:** System Design: Structured Approach. **Chapter 11:** Object-Oriented Design. **Chapter 12:** User-Interface Design. **Chapter 13:** Coding & Documentation. **Chapter 14:** System Testing. **Chapter 15:** System Testing Strategies. **Chapter 16:** System Quality. **Chapter 17:** System Maintenance & Supports Users.

Author

Ikviinderpal Singh Ikviinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.



Advanced Software Engineering

Author :	Ikvinderpal Singh
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E-ISBN 13 :	978-93-82609-23-0
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 785.00
Categories :	Computer Science Engineering
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Country Origin :	India

Product Description

Introduction to the software engineering milieu. Describe the software engineering Paradigms. Deals with planning and estimation. Describe the re engineering process. Deals with object oriented metrics. Describes the object-oriented analysis and design. Detailed explanation of software agents.

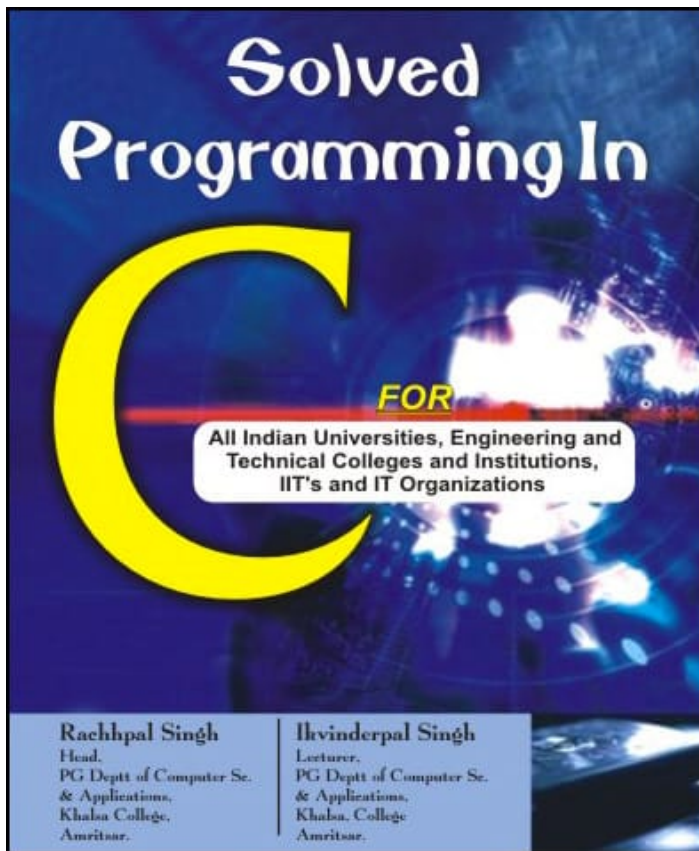
Table of Contents

Chapter 1: Introduction To Software Engineering. **Chapter 2:** Software Development Process. **Chapter 3:** Software Project Management. **Chapter 4:** Risk Analysis & Management. **Chapter 5:** Software Configuration Management. **Chapter 6:** Software Quality. **Chapter 7:** Software Reliability. **Chapter 8:** Software Economics. **Chapter 9:** Software Re engineering. **Chapter 10:** Software Re engineering Process. **Chapter 11:** Software Reuse. **Chapter 12:** Object Oriented Metrics. **Chapter 13:** Object Oriented Analysis & Design. **Chapter 14:** Element Of An Object-Oriented Model. **Chapter 15:** Software Agents. **Chapter 16:** Application Of Software Agents.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Solved Programming in C

Author :	Ikvinderpal Singh
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Edition :	First
Pages :	520
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Year :	2012
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
Categories :	Computer Science Engineering, Objective Type Books for Competition
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. Contains about 1600 solved simple as well as complex programming problems. Include real life solved examples. Contains program regarding all header files functions used in C programming like studies math etc. All macro functions are covered with suitable programs macro basic, macro constant, macro string etc. Contain all data types programming descriptions. All operations are explaining in the form of simple programs. It covers all function of console I/O and file I/O. Control statements, array, strings, functions, pointers, dynamic memory allocation is described using simple as well as system level programming. Containing graphic programming.



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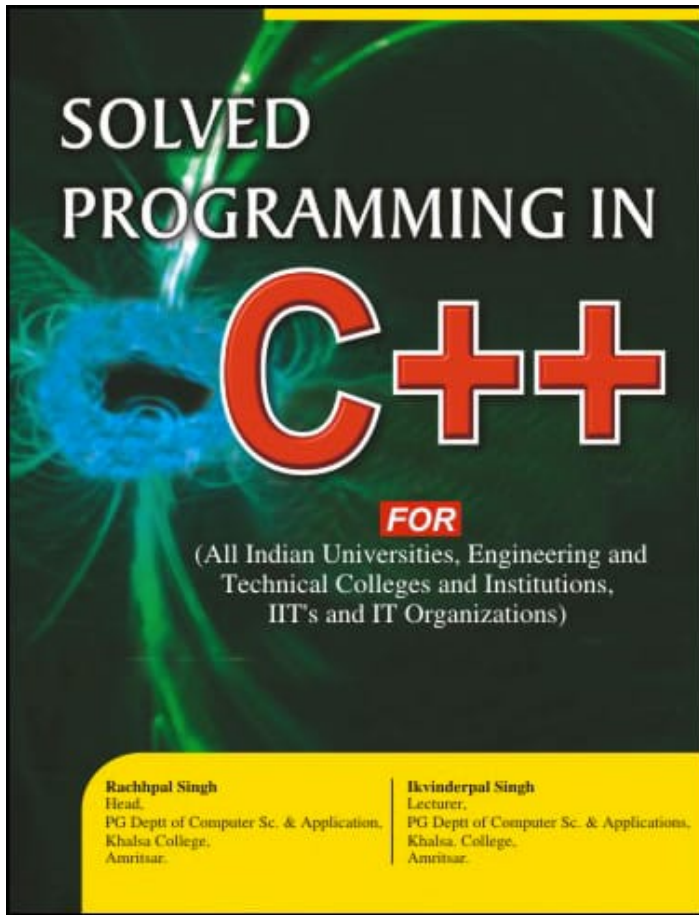
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Table of Contents

Chapter 1: Getting Started With C. **Chapter 2:** All Data Types. **Chapter 3:** Operators. **Chapter 4:** Console Input/Output. **Chapter 5:** Control Statements. **Chapter 6:** Array. **Chapter 7:** Strings. **Chapter 8:** Functions. **Chapter 9:** Pointers. **Chapter 10:** Dynamic Memory Allocation. **Chapter 11:** Structure and Union. **Chapter 12:** Files. **Chapter 13:** Macros in C. **Chapter 14:** Header Files in C. **Chapter 15:** Graphics Programming.

Authors

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming. **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.



Solved Programming in C++

Author :	Ikvinderpal Singh
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Edition :	First
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Publisher :	Khanna Publishing House
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Categories :	Objective Type Books for Competition
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, generic programming described using suitable programming examples. 10. Contains implementations of data structures liked list, stack, queue etc.

Table of Contents

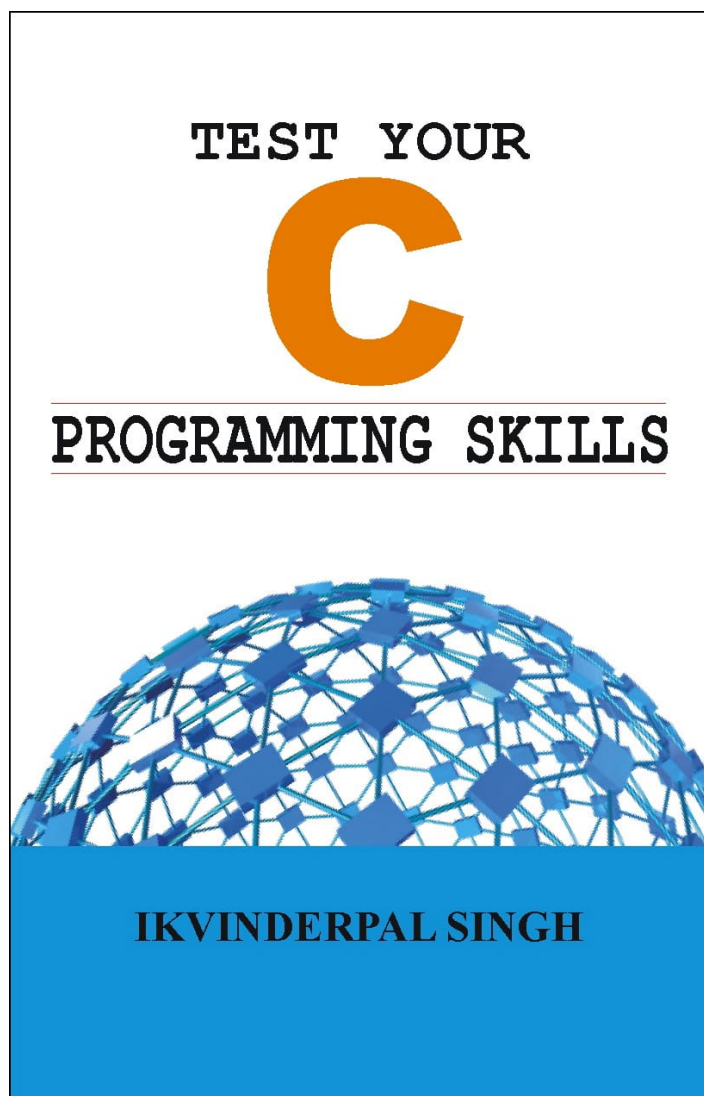
Chapter 1: Introduction to C++. **Chapter 2:** All Data Types. **Chapter 3:** Development in Cin and Cout. **Chapter 4:** Control Statements. **Chapter 5:** Array. **Chapter 6:** Strings. **Chapter 7:** Functions. **Chapter 8:** Pointers. **Chapter 9:** Structure and Union. **Chapter 10:** Classes and Objects. **Chapter 11:** Constructors and Destructors. **Chapter 12:** Operator Overloading. **Chapter 13:** Inheritance. **Chapter 14:** Polymorphism and Virtual Function. **Chapter 15:** Files. **Chapter 16:** Exploring Functions (Inline Friend Static). **Chapter 17:** Templates. **Chapter 18:** Exception Handling. **Chapter 19:** Generic Programming. **Chapter 20:** Data Structures Using C++.



Authors

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming. **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.





Test Your C Programming Skills

Author :	Ikivinderpal Singh
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E-ISBN 13 :	978-93-80016-25-2
Edition :	1
Pages :	748
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Year :	2011
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 325.00
Categories :	Objective Type Books for Competition
Condition Type :	New
Country Origin :	India

Product Description

This book will teach you how to explore the immense potential of C, with lucid explanations to elusive solutions. Many of the Degrees or diplomas or certified programs being conducted in computer science and Information Technology field, it has indeed become difficult for software development companies to separate chaff from the grain. Hence many of the IT companies conduct written test in C language. Through on the face of it C language appears to be simple but it has number of features which can challenge the best in the field. This book will be an excellent guide for aspiring IT professionals and a valuable resource bank, for IT companies, to frame placement papers and technical interviews. Each chapter contains code snippets, Fill in the Blanks, True or false and Objective Type Questions.



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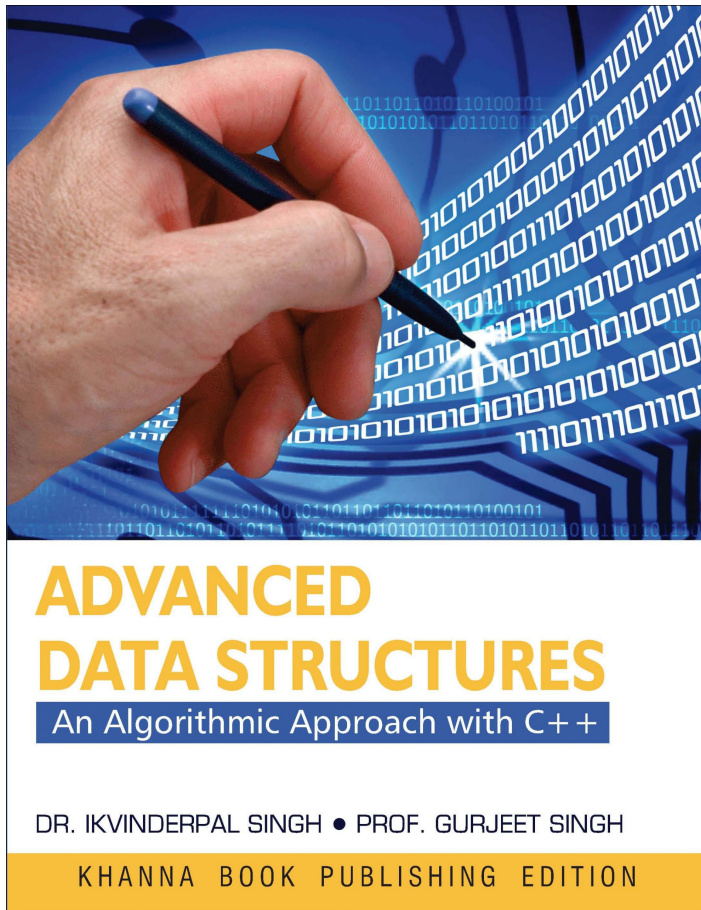
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Table of Contents

Chapter 1: Getting Started. **Chapter 2:** Operators and Expressions. **Chapter 3:** Console Input and Output. **Chapter 4:** Control Flow Statements. **Chapter 5:** Arrays. **Chapter 6:** Strings. **Chapter 7:** Functions. **Chapter 8:** Storage Classes. **Chapter 9:** Pointers. **Chapter 10:** Structure and Union. **Chapter 11:** Files. **Chapter 12:** C Preprocessor. **Chapter 13:** C Traps.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.



Advanced Data Structures

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Categories :	Computer Science Engineering
Condition Type :	New
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Product Description

Each chapter begins with an outline an overview, and a list of learning objective. Extensive coverage of data Structure basics, pictorial representation of each and every Data Structures in given in detail. Covers all tree structures like binary tree, binary search trees, AVL, B+-tree and red black trees in detail. Brief introduction to binary heaps, heap operations, specifications, implementation and applications is covered. Demonstration the development of algorithms is a lucid manner. Includes numbers illustrative examples to understand the topic easily. Demonstrates the implementation of algorithms in a good programming style. Diagrams are used extensively throughout the text. Contains numerous theory questions at the last of each chapter. Gives detailed description of advanced head structures, priority queue operations, and double ended priority queues in lucid manner. Includes the concepts like dictionaries, binomial heaps, Fibonacci heaps. Data structures for disjoint sets, tables and table operations. Gives detailed description of amortized analysis, starting matching, and graph algorithms. Detailed analysis of each and every sorting and searching technique is covered with the help of programming examples. Presents various external data structures-external storage, external files, external sorting searching indexing files, external hashing. Brief introduction to the concept of file and storage management.

Table of Contents

Chapter 1: Elementary Data Structures. **Chapter 2:** Review of Algorithm Analysis. **Chapter 3:** Trees. **Chapter 4:** Binary Search Trees. **Chapter 5:** Red Black Trees. **Chapter 6:** B Trees. **Chapter 7:** AVL Trees. **Chapter 8:** 2-3 Trees. **Chapter 9:** 2-3-4 Trees. **Chapter 10:** Heaps. **Chapter 11:** Advanced Heap Structures. **Chapter 12:** Dictionaries. **Chapter 13:** Binomial Heaps. **Chapter 14:** Fibonacci Heaps. **Chapter 15:** Data Structures For Disjoint Sets And Tables. **Chapter 16:** Amortized Analysis. **Chapter 17:** String Processing. **Chapter 18:** Graphs. **Chapter 19:** Sorting And Searching Techniques. **Chapter 20:** External Data Structures. **Chapter 21:** External Hashing. **Chapter 22:** Dynamic Storage Management.

Author

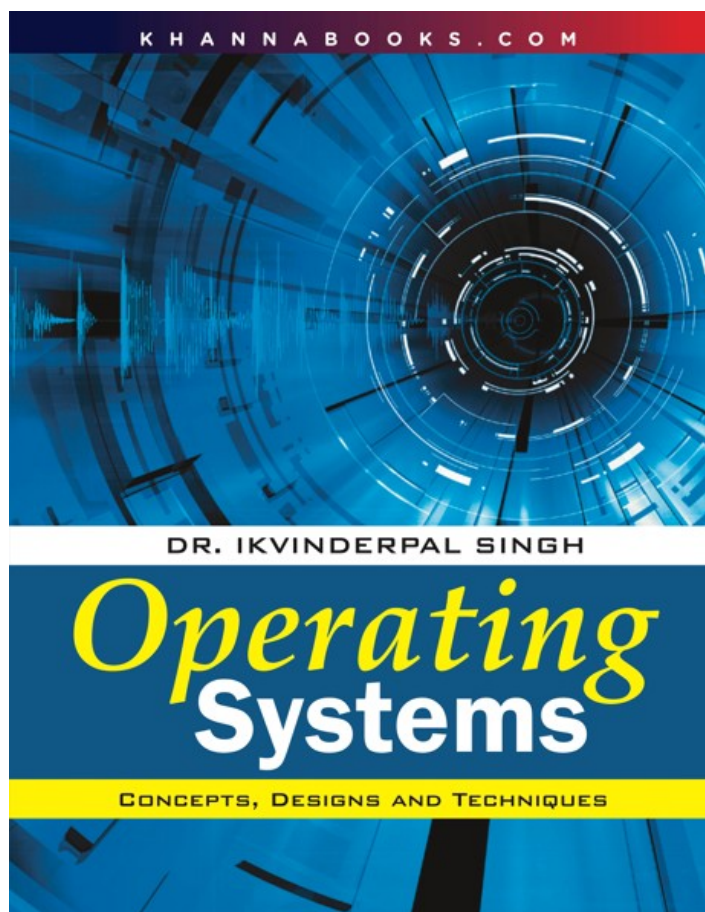
Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.



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Operating Systems

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Publisher :	Khanna Publishing House
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Categories :	Computer Science Engineering
Condition Type :	New
Country Origin :	India

Product Description

Fundamental concepts are introduced in simple terms, Numerous examples are included to illustrate concepts and techniques. The sequence of topics is well planned to provide a seamless transition from design to implementation. With each chapter, the continuity of topics is excellent. The figures appropriately enhance and amplify the topics. Case studies are organized in a lucid manner. The exercises can be found at the end each chapter. Other sections are devoted to advanced topics, e.g. deadlock characterization, process synchronization and scheduling in multiprocessor systems, file sharing semantics, file system reliability and capabilities.

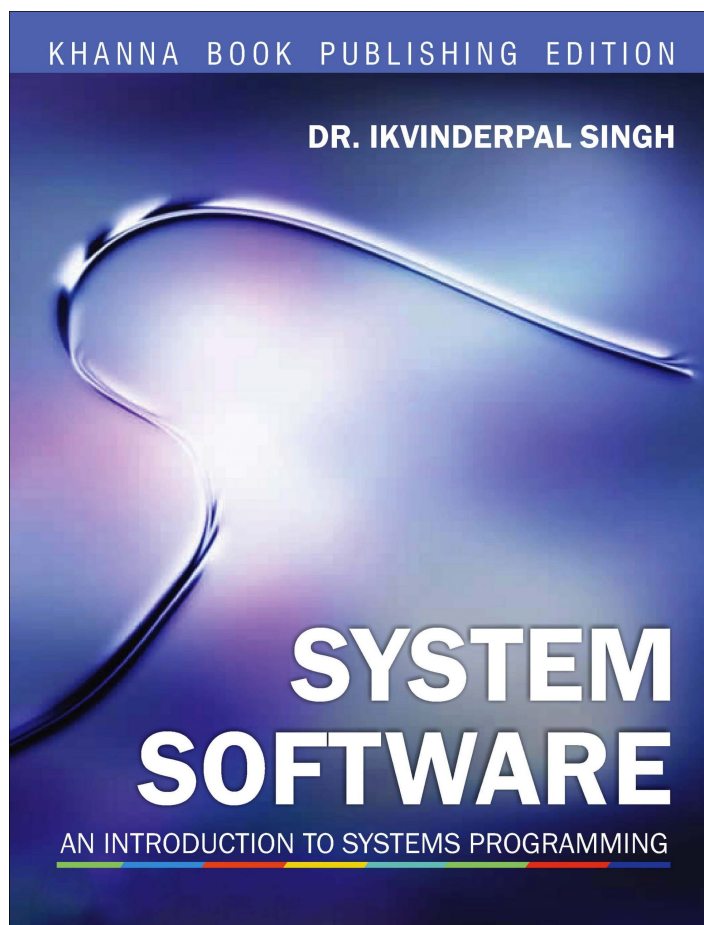
Table of Contents

Chapter 1: Overview. **Chapter 2:** Computer System Structures. **Chapter 3:** Operating System Structures. **Chapter 4:** Process and Threads. **Chapter 5:** Process Scheduling. **Chapter 6:** Process Synchronization. **Chapter 7:** Deadlocks. **Chapter 8:** Memory Management. **Chapter 9:** Virtual Memory. **Chapter 10:** Input/Output and Device Management. **Chapter 11:** Disk Management. **Chapter 12:** File Management. **Chapter 13:** Protection And Security. **Chapter 14:** Distributed Systems. **Chapter 15:** Case Studies Of Unix And Windows NT.

Author

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System Software

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Condition Type :	New
Country Origin :	India

Product Description

Fundamental concepts are introduced in simple terms, Numerous examples are included to illustrate concepts and techniques. The sequence of topics is well planned to provide a seamless transition from design to implementation. Fundamental concepts and basic design of each type of software in a machine-independent way. With each chapter, the continuity of topics is excellent. The figures appropriately enhance and amplify the topics. The exercises can be found at the end each chapter. Other sections are devoted to DBMS, text editor and interactive debugging systems.

Table of Contents

Chapter 1: Introduction. **Chapter 2:** Programming Language. **Chapter 3:** Assemblers. **Chapter 4:** Macro Processors. **Chapter 5:** Compilers. **Chapter 6:** Loaders And Linkage Editors. **Chapter 7:** Operating System. **Chapter 8:** System Software Tools.



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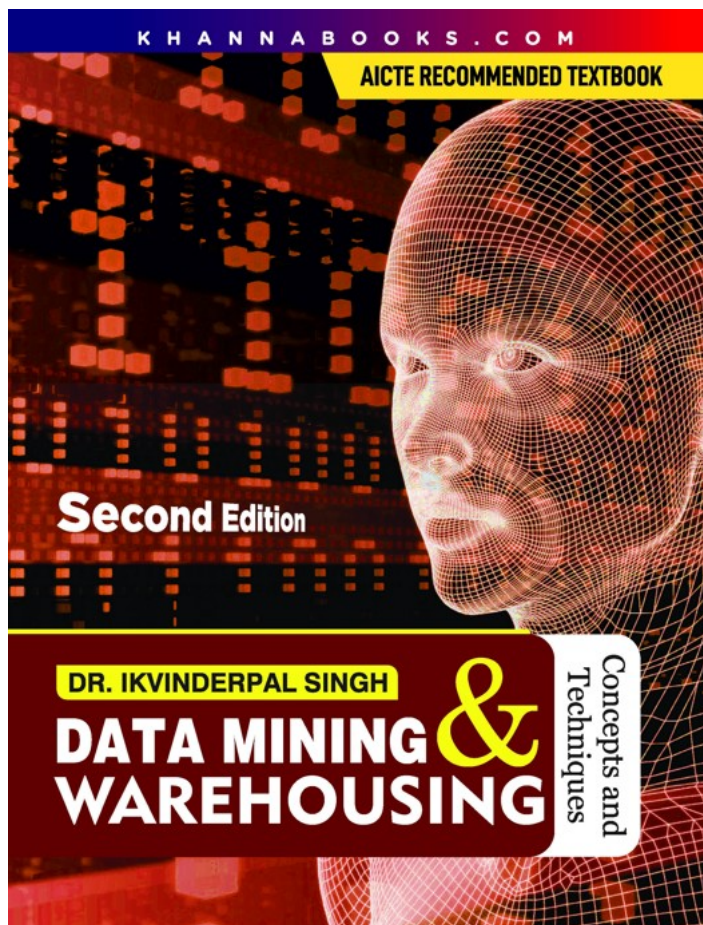
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Author

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Data Mining & Warehousing

Author :	Ikvinderpal Singh
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Categories :	Computer Science Engineering , Computer Science Engineering
Condition Type :	New
Country Origin :	India

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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Table of Contents

Chapter 1: Data Warehousing. **Chapter 2:** Multidimensional Data Model. **Chapter 3:** Data Warehousing Architecture. **Chapter 4:** Online Analytical Processing. **Chapter 5:** Data Warehouse Implementation. **Chapter 6:** Data Warehouse Back-End tools And Utilities. **Chapter 7:** Data Mining. **Chapter 8:** Applications And Trends In Data Mining.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.

Advanced Computer Organization and Architecture

Concepts and Designs

Dr. Ikvinderpal Singh

2ND
EDITION

Advanced Computer Organization & Architecture

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Categories :	Computer Science Engineering, Computer Science Engineering
SKU :	Advanced Computer Organization & Architecture
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Country Origin :	India

Product Description

Describes the introduction of advanced computer architecture and parallel processing. Covers the paradigms of computing like synchronous and asynchronous. Detailed explanation of the Flynn's classification, Kung's taxonomy and reduction paradigm. provides a detailed treatment of abstract parallel computational models like combination circuits, sorting network, PRAM models, interconnection RAMs. Covers the parallelism in uniprocessor systems. Provides an extensive treatment of parallel computer structures like pipeline computers, array computers and multiprocessor systems. Covers the concepts of pipeline and classification of pipeline processors. Give description of super scalar, super pipeline design and VLIW processors. Explains the design structures and algorithms for array processors.



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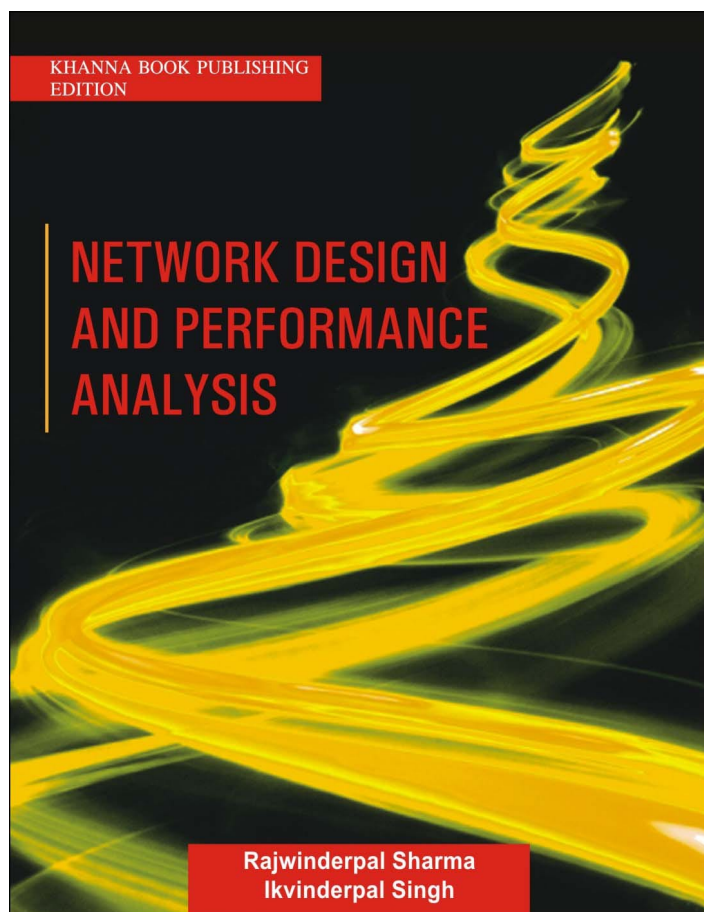
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Table of Contents

Chapter 1: Introduction To Advanced Computer Architecture And Parallel Processing. **Chapter 2:** Paradigms of Computing: Synchronous. **Chapter 3:** Paradigms of Computing-Asynchronous MIMD. **Chapter 4:** Abstract Parallel Computational Models. **Chapter 5:** Parallelism in Uni-processor Systems. **Chapter 6:** Parallel Computer Structures. **Chapter 7:** Pipe lining. **Chapter 8:** Principles of Designing Pipelines Processors. **Chapter 9:** Super scalar and Super pipeline Design. **Chapter 10:** Design Structures and Algorithms for Array Processors.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.



Network Design and Performance Analysis

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Condition Type :	New
Country Origin :	India

Product Description

Discusses on the introduction to requirements analysis and specifications. Detailed explanation of the Traffic Engineering & capacity planning. Provides a detailed treatment of network performance modeling. Covers the concept of choosing service provider, vendor and service levels. Design and architecture of access network design. Provides an extensive treatment of backbone network design. Covers the concept of security and designing for network. Detailed explanation of documentation and network management. Demonstrates the concept of the network optimization.



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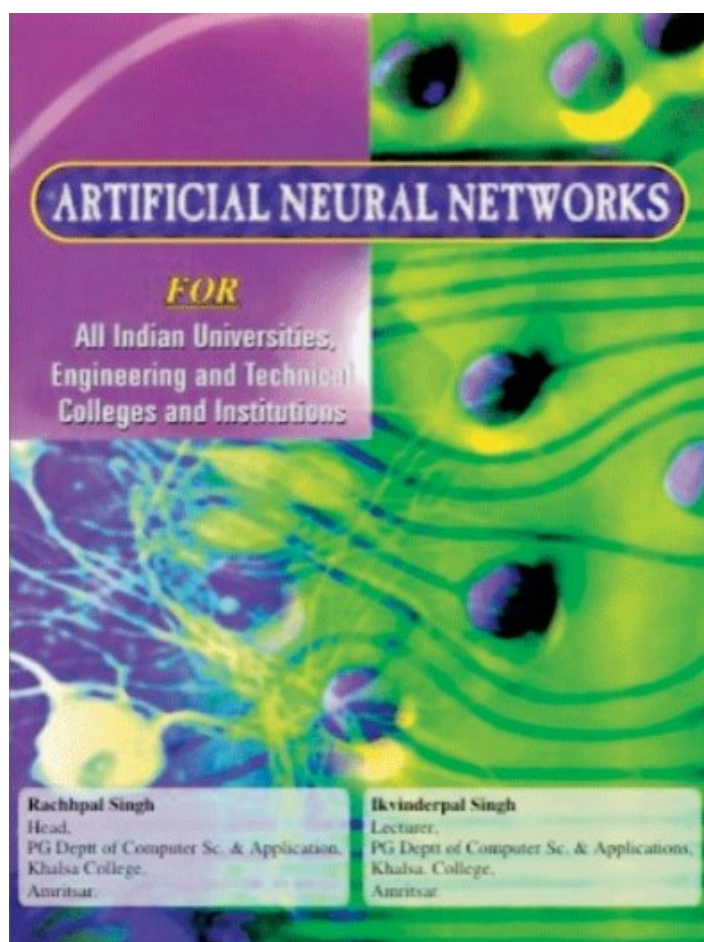
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Table of Contents

Chapter 1: Requirements Analysis and Specifications. **Chapter 2:** Traffic Engineering and Capacity Planning. **Chapter 3:** Network Performance Modeling. **Chapter 4:** Technology Comparisons. **Chapter 5:** Choosing Service Providers & Vendors & Service Levels. **Chapter 6:** Access Network Design. **Chapter 7:** Backbone Network Design. **Chapter 8:** Network Security. **Chapter 9:** Documentation and Network Management. **Chapter 10:** Network optimization.

Author

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Artificial Neural Networks

Author :	Ikvinderpal Singh
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Product Description

Written with the beginner in mind, this volume offers an exceptionally clear and thorough introduction to neural network at an elementary level. It provides the clear survey of basic neural network architectures and learning rules. In it, We emphasize mathematical analysis of networks, methods for training network, and application of neural network to practical engineering problems in speech recognition, stock market prediction and pattern recognition.

Table of Contents

Chapter 1: Fundamentals of Neural Networks. **Chapter 2:** Perceptrons. **Chapter 3:** Backpropagation. **Chapter 4:** Adaline and Madaline. **Chapter 5:** Supervised and Unsupervised Learning. **Chapter 6:** Counter-propagation Network. **Chapter 7:** Adaptive Resonance Theory. **Chapter 8:** Neocognitron. **Chapter 9:** Bidirectional Associative Memory. **Chapter 10:** Case Studies.



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Computer Fundamentals and Programming in C



Joginder Singh Cheema
Rajwinderpal Sharma
Ikvinderpal Singh

Computer Fundamentals & Programming in C

Author :	Ikvinderpal Singh
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Country Origin :	India

Product Description

Explains the introduction to computers, history of computer, computer generations, classification of computers and applications of computer in corporate environment. Presents the basic organization of a computer system and its internal working. Describes the concept of number systems, computer codes and arithmetic, logic gates and Boolean algebra. Introduces the concept of primary and secondary storage. Explains the concept of different input and output devices. Presents the concept of computer software's and programming languages. Deals with commonly used various tools for planning the computer program like algorithm, flowcharts, pseudo code and decision tables. Complete introduction to C Programming including basic structure is given in detail. Extensive coverage of constants, variables, various data types are given in detail. Various types of operators and expressions are described with the help of examples and simple programs. Demonstrates the description of console I/O statements in a lucid manner. Each and every control statement is described with the help of flowcharts and simple programs. Includes numerous illustrative examples to understand the topic easily. Demonstrate every program in a good programming style. Around 200 numerous solved C Programs and 100 objective type questions are included. Contains numerous theory exercises at the last of each chapter. Gives detailed description of arrays, strings and functions in lucid manner. Covers all concepts of pointers like array and pointer, function and pointer, dynamic memory allocation in detail. Detailed analysis of each and every storage class is covered with the help of programming examples. Detailed description to the concept of structures and unions.

Table of Contents

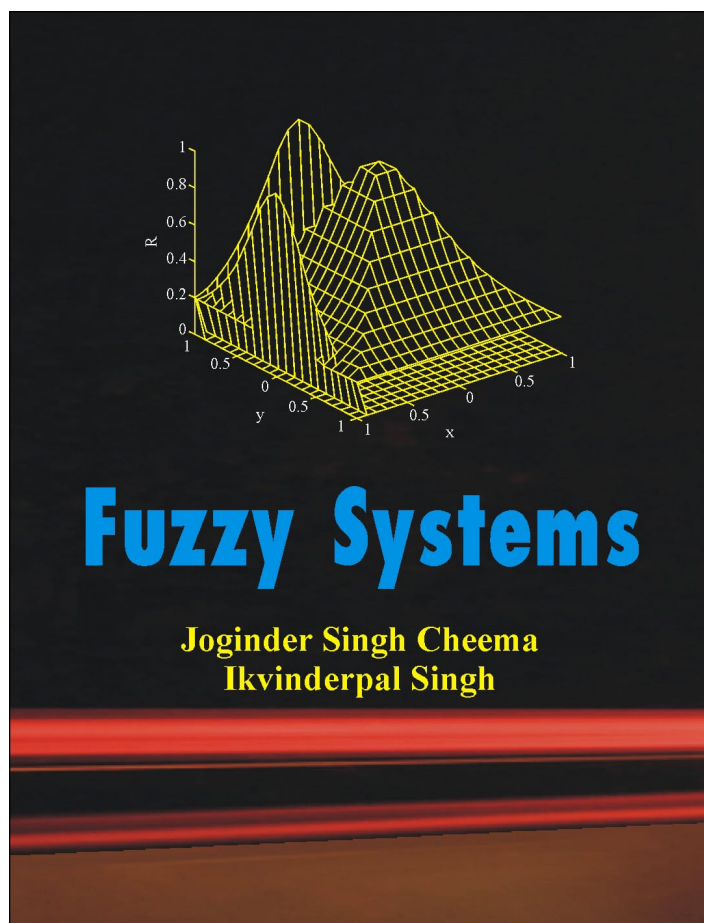
UNIT I Chapter 1: Introduction to Computer. **Chapter 2:** Basic Computer Organization. **Chapter 3:** Number System, Logic Gates and Boolean Algebra. **Chapter 4:** Computer Arithmetic and Codes. **Chapter 5:** Computer Languages. **Chapter 6:** Chapter 6: Primary Storage & Secondary Storage. **Chapter 7:** Input & Output Devices. **Chapter 8:** Planning The Computer Program. **Chapter 9:** Computer Software. **Chapter 10:** Operating Systems. **UNIT 2 Chapter 1:** Getting started with C. **Chapter 2:** Operators and Expressions. **Chapter 3:** Console Input and Output statements. **Chapter 4:** Control Statements. **Chapter 5:** Arrays. **Chapter 6:** Strings. **Chapter 7:** Functions. **Chapter 8:** Storage Classes. **Chapter 9:** Pointers. **Chapter 10:** Structures and Unions. **Chapter 11:** C Preprocessor and Character Test Functions. **Standard Library Functions List of Library Ascii Chart**



Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Fuzzy Systems

Author :	Ikvinderpal Singh
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Country Origin :	India

Product Description

This book is meant for a wide range of readers, especially college and university students wishing to learn basic as well as advanced processes and techniques in Fuzzy systems. It can also be meant for programmers who may be involved in programming based on the Fuzzy system applications. Modern aspects of fuzzy systems have been introduced from the first principles and discussed in an easy manner. So that a beginner can grasp the concepts of Fuzzy logic, fuzzy sets, fuzzy relations, fuzzy reasoning, fuzzy probability, fuzzy expert systems etc. each chapter contains solved example problems and exercise problems.

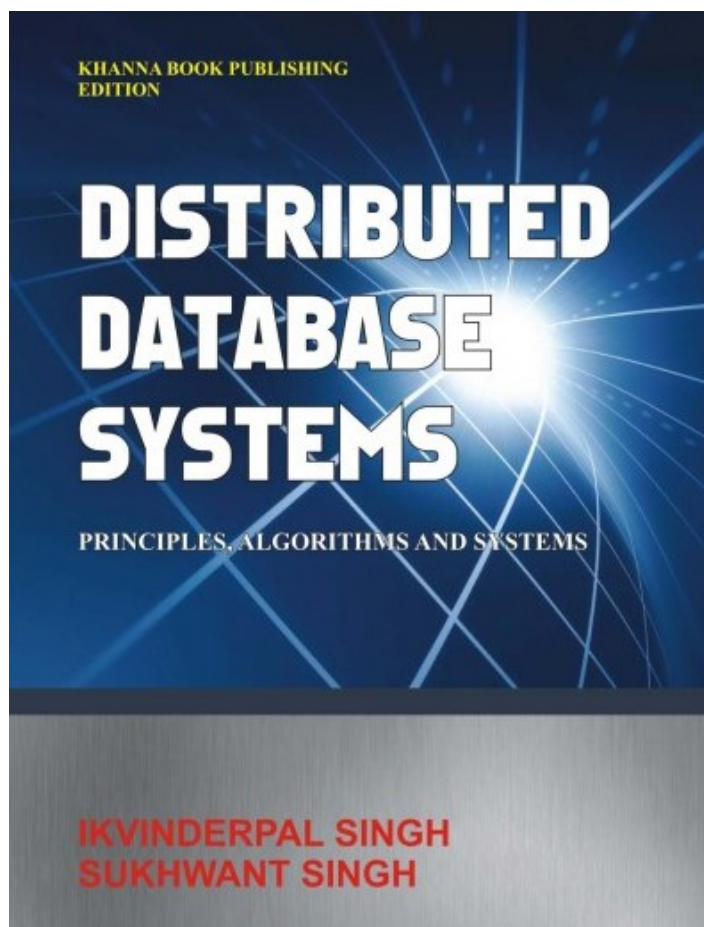
Table of Contents

Chapter 1: Introduction to Fuzzy System Chapter 2: Fuzzy Logic Chapter 3: Classical Sets and Fuzzy Sets Chapter 4: Fuzzy Relations, Fuzzy Graphs and Fuzzy Arithmetic Chapter 5: Fuzzy If-then Rules Chapter 6: Applications of Fuzzy Logic Chapter 7: Neuro-Fuzzy Systems Chapter 8: Genetic Algorithm Chapter 9: Fuzzy Logic and Probability Theory Chapter 10: Fuzzy Logic and Probability Theory Chapter 11: Fuzzy Model Identification Chapter 12: Fuzzy Logic in Database and Information Systems Chapter 13: Fuzzy Logic and Artificial Intelligence Chapter 14: Fuzzy Logic and Pattern Recognition

Author

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Distributed Database Systems

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Country Origin :	India

Product Description

This book is meant for a wide range of readers, especially college and university students wishing to learn basic as well as advanced processes and techniques of distributed database system. It is intended for those who are professionally interested in having an up-to date view of distributed data processing, including, for example, students and teachers of course in computer science, researchers, system managers, application designers, analysts and programmers. A distributed database system is , in brief an integrated database which is built on top of a computer network rather than on a single computer. The data which constitute the database are stored at the different sites of the computer network. And the application programs which are run by the computers access data at different sites. Modern aspects of distributed database systems have been introduced from the first principles and discussed in an easy manner, so that a beginner can grasp the concepts of disturbed database, its design and architecture level, distributed query processing and optimization, distributed transaction management, distributed concurrency control and reliability, distributed deadlock management, distributed recovery and security management, etc. Each chapter contains solved example problems and exercise problems.



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Table of Contents

Chapter 1: Distributed Database Concepts. **Chapter 2:** Distributed Database Design. **Chapter 3:** Distributed Database System Architecture. **Chapter 4:** Distributed Query Processing. **Chapter 5:** Distributed Query Optimization. **Chapter 6:** Distributed Transaction Management. **Chapter 7:** Distributed Concurrency Control. **Chapter 8:** Distributed Deadlock Management. **Chapter 9:** Distributed Recovery Management. **Chapter 10:** Distributed Database Administration.

Author

Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student career. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.

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Internet Applications

Ikvinderpal Singh
Sapandeep Kaur
Monika Shahi

Internet Applications

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Country Origin :	India

Product Description

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


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Table of Contents

Chapter 1: Introduction. **Chapter 2:** E-mail. **Chapter 3:** Internet Protocols. **Chapter 4:** Usenet Newsgroups. **Chapter 5:** World Wide Web (WWW). **Chapter 6:** HTML. **Chapter 7:** Forms in HTML. **Chapter 8:** Cascading Style Sheets (CSS). **Chapter 9:** Javascript. **Chapter 10:** DHTML. **Chapter 11:** Search Engines. **Chapter 12:** Intranet & Extranet.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student career. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.



Computer Organization and Architecture



2nd
EDITION

DR. IKVINDERPAL SINGH

Computer Organization and Architecture

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Product Description

The title of our book, computer organization and architecture, is intended to convey that the topics presented in the text are those for which every Computer science major should have exposure, familiarity, or mastery. We do not expect students using our textbook to have complete mastery of all topics presented. It is our firm belief, however, that there are certain topics that must be mastered; there are those topics for which students must have a definite familiarity; and there are certain topics for which a brief introduction and exposure are adequate. We feel our explanations, examples and exercises all combine to provide the student with a total learning experience that exposes the inner workings of a modern digital computer at the appropriate level. Like most books, we have chosen an architectural model, but it is one that we have designed with simplicity in mind.



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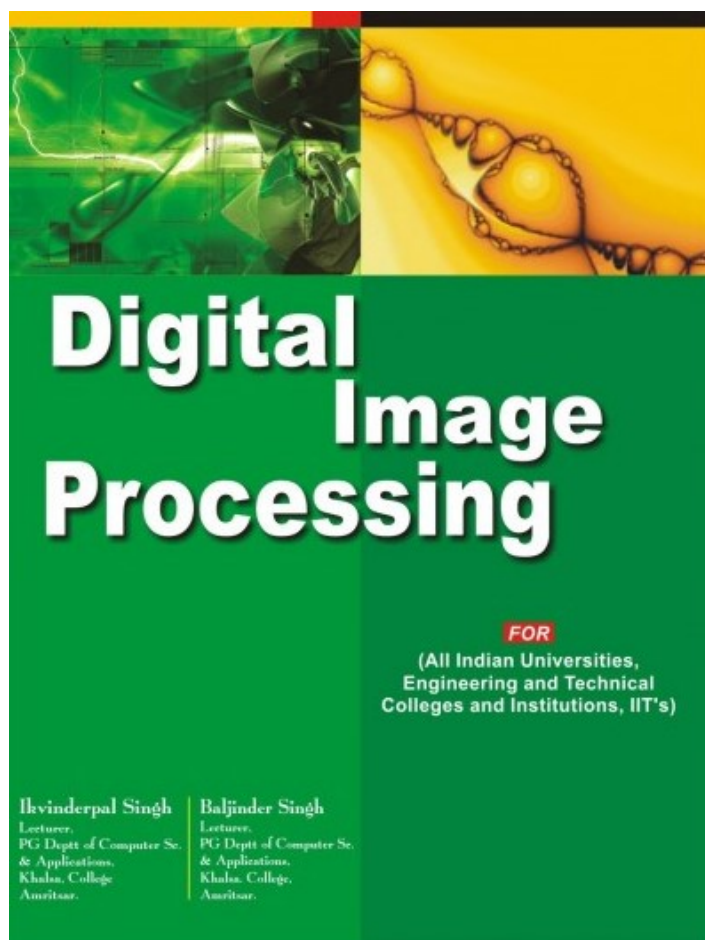
Table of Contents

Chapter 1: Overview of Computer Organization. **Chapter 2:** Digital Logic Basics. **Chapter 3:** Combinational Circuits. **Chapter 4:** Sequential Circuits. **Chapter 5:** Number System and Codes. **Chapter 6:** Register Transfer Language. **Chapter 7:** Computer Organization and design. **Chapter 8:** Assembly Language. **Chapter 9:** Control Unit. **Chapter 10:** Central Processing Unit. **Chapter 11:** Central Processing Unit. **Chapter 12:** Pipeline and Vector Processing. **Chapter 13:** Input-Output Organization. **Chapter 14:** Memory System Design. **Chapter 15:** Introduction to Multiprocessors.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Digital Image Processing

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Product Description

This book is written keeping in mind a beginner. This volume offers an exceptionally clear and thorough introduction to image processing at an elementary level. It provides the clear survey of basic fundamentals of image processing and various image processing techniques. In it, we emphasize mathematical analysis of image signal representation, hardware architecture for image processing and practical engineering problems in picture data archival, computer vision and medical imaging.

Table of Contents

Chapter 1: Background. **Chapter 2:** Fundamentals of Image Processing. **Chapter 3:** Image Signal Representation. **Chapter 4:** Image Enhancement. **Chapter 5:** Image Restoration. **Chapter 6:** Image Feature Extraction. **Chapter 7:** Image Data Compression and Statistical Pattern Recognition. **Chapter 8:** Hardware Architecture for Image Processing. **Chapter 9:** Techniques of Color Image Processing. **Chapter 10:** Applications of Image Processing.



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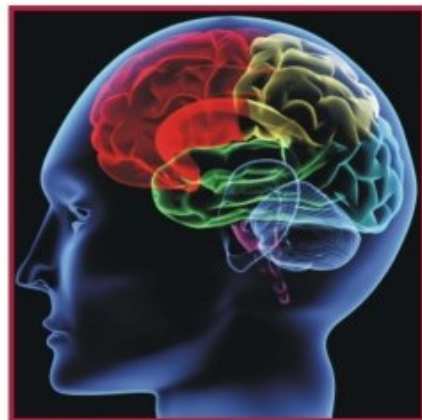
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SOFT COMPUTING

Neural Networks, Fuzzy Logic,
Genetic Algorithm and Probabilistic Reasoning

Ikvinderpal Singh

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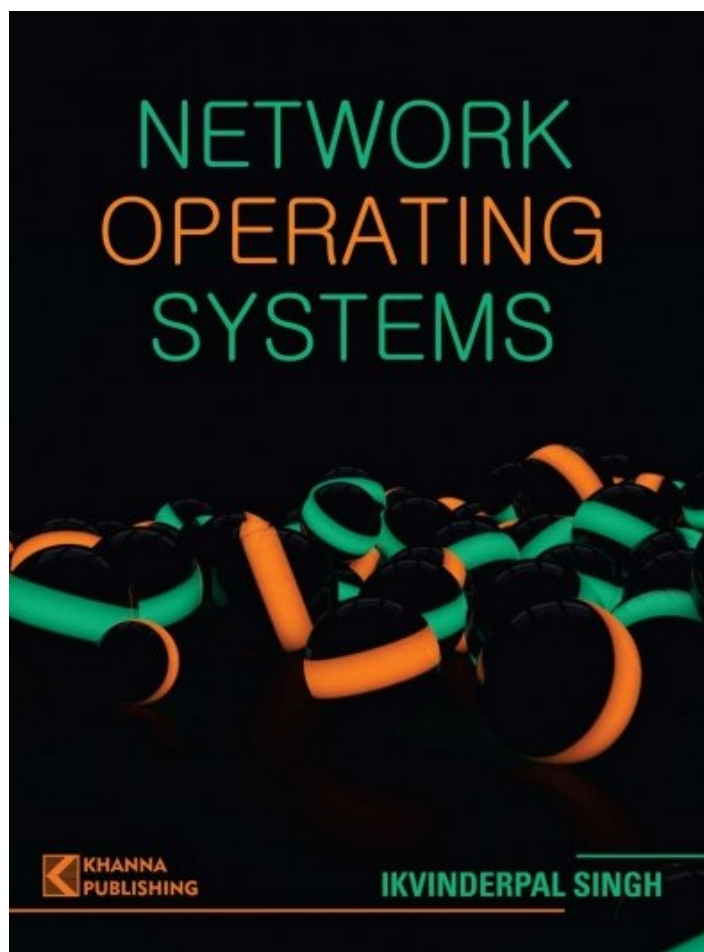
This book is meant for a wide range of readers, especially college and university students wishing to learn basic as well as advanced processes and techniques in Soft Computing. It can also mean for Programmers who may be involved in programming based on the soft computing applications. Modern aspects of soft computing have been introduced from the first principles and discussed in an easy manner, So that a beginner can grasp the concept of neural networks fuzzy, genetic algorithm and probabilistic reasoning, each chapter contains solved example problems and exercise problems.

Table of Contents

Chapter 1: Fundamentals of Neural Networks. **Chapter 2:** Perceptrons. **Chapter 3:** Backpropagation. **Chapter 4:** Adaline and Madaline. **Chapter 5:** Supervised and Unsupervised Learning. **Chapter 6:** Counter Propagation Network. **Chapter 7:** Adaptive Resonance Theory. **Chapter 8:** Neocognitron. **Chapter 9:** Bidirectional Associative Memory. **Chapter 10:** Case Studies. **Chapter 11:** Introduction to Fuzzy System. **Chapter 12:** Fuzzy Logic. **Chapter 13:** Classical Sets and Fuzzy Sets. **Chapter 14:** Fuzzy Relations, Fuzzy Graphs and Fuzzy Arithmetic. **Chapter 15:** Fuzzy If-then Rules. **Chapter 16:** Applications of Fuzzy Logic. **Chapter 17:** Neuro-fuzzy Systems. **Chapter 18:** Genetic Algorithm. **Chapter 19:** Probability Theory. **Chapter 20:** Random Variable and Mathematical Expectation. **Chapter 21:** Theoretical Distributions. **Chapter 22:** Fuzzy Logic and Probability Theory.

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Product Description

Windows computers are rarely used without an active network connection, and often play major roles in supporting the network by providing routing, firewall protection, name resolution, IP address allocation, and remote access. Given the ubiquity of networking, every system administrator must master network administration. This book will help you master networking on windows services such as DNS and DHCP are included. Additionally, windows services provide the best support for proprietary Microsoft networking services and protocols, such as 113, WINS, DNS and Proxy servers, One of the advantages of using windows servers is that they do an excellent job of integrating Microsoft network services into an internet built on standard internet protocols. Each and every concept described with the help of its pictorial representation and examples to have clear ideas.

Table of Contents

Chapter 1: Introduction. **Chapter 2:** Windows Server 2003. **Chapter 3:** Disk Management. **Chapter 4:** Servers. **Chapter 5:** User Group and Computer Accounts. **Chapter 6:** Active Directory. **Chapter 7:** Performance Monitoring and Security. **Chapter 8:** Special Topics. **Glossary**

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