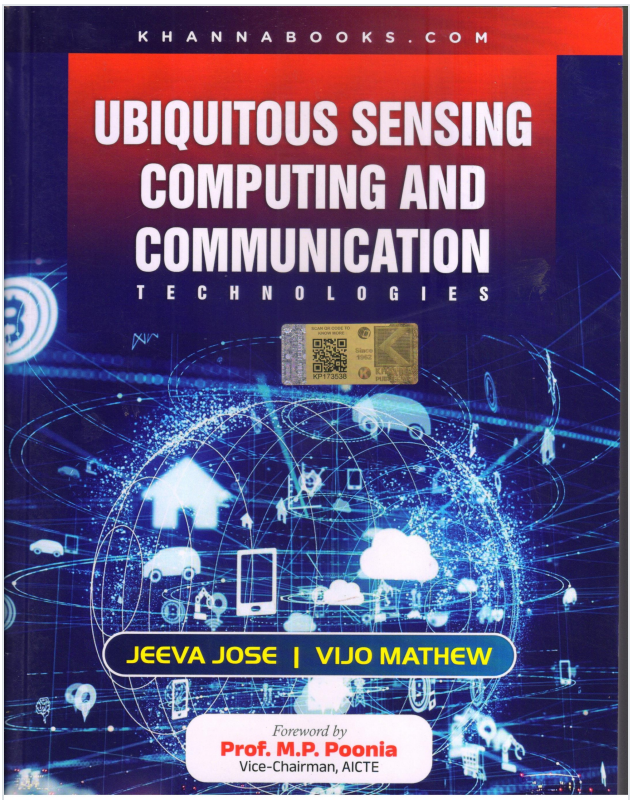

Jeeva Jose, Vijo Mathew

Ubiquitous Sensing Computing and Communication Technologies

Author :	Jeeva Jose, Vijo Mathew
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E-ISBN 13 :	978-93-55381-99-6
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M.R.P :	Rs 449.00
Categories :	Computer Science Engineering, Emerging Technologies, Book Store, Best Sellers
Condition Type :	New
Country Origin :	India

Product Description

Salient Features of the Books:

*Covers Complete AICTE syllabus of Iot-03 minor degree course- Ubiquitous Sensing, Computing and Communication.

* The Basics of IoT- Mechanical, Electronics and Sensor platforms are explained.

* Different wired and wireless protocols, mobile to Electronics and Enterprise integration are discussed.

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- Sensor Cloud
- Sensor Web
- Ubiquitous Computing
- Cloud Computing
- Edge, Fog, Mist, Dew Computing
- Wearable Computing
- Affective Computing
- Cognitive Computing
- Context Aware Computing
- Social Network
- IoT Data Analytics and Management
- Internet and Deep Web
- Search Techniques and Search Engines.

Author

Jeeva Jose

Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and

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areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

Vijo Mathew

Vijo Mathew is a highly accomplished engineer with three decades of experience in driving innovation and growth in various electrical, electronics, and information technology industries. His track record is complemented by a postgraduate degree in management, equipping him to excel in business management, strategic management, and technology management. His expertise is highly valued in the fields of software, electrical and electronics hardware, and design where he provides strategic guidance and mentorship to organizations seeking to stay ahead of the curve. He has demonstrated a unique ability to bridge the gap between technology and business driving success through his visionary approach and collaborative leadership style. His leadership skills and technical acumen have made him an advisor to some reputed national and international corporations. As an advisor and strategic leader, he is helping organizations achieve their full potential through innovative solutions, effective management, and visionary leadership. He is also author of many books related to technology and management.

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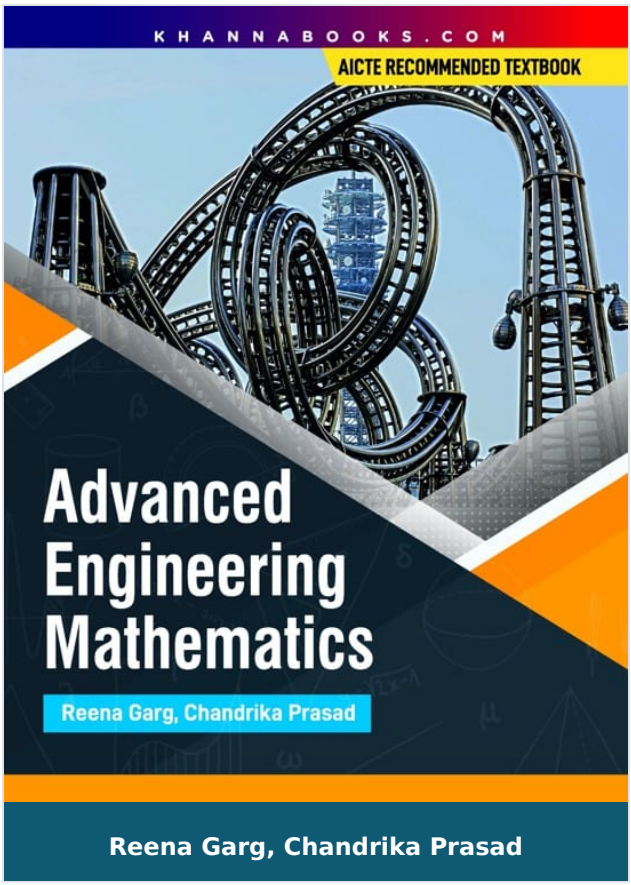

Advanced Engineering Mathematics

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Condition Type :	New
Country Origin :	India

Product Description

This book provides a comprehensive, thorough and up to date treatment of mathematics in engineering and sciences. This is intended to introduce students of engineering, physics, mathematics, computer sciences and other related fields to those areas of applied mathematics that are most relevant for solving practical problems. Practice is the key word in the learning process of mathematics . The aim of this book is to provide a vast knowledge of mathematics and its diverse practical use in daily lives. The course contents in this book are the sole pre-requisites. The experience of the author of more than a decade in teaching at under graduate, post graduate level and in the research areas of mathematics in University makes this book useful.

In this book all the topics and related concepts have been given in a lucid and simple way filling every gap between students and mathematics. A lot of worked examples are given so as to help the readers understand better.

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- Vector Calculus
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- Fourier Series
- Differentiation
- Partial Differential Equations
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- Laplace Transforms and ITS Application
- Fourier Transform and ITS Application
- Empirical Laws and Curve Fitting.
- Solution to Numerical, Algebraic and Trabscendental Equation
- Numerical Solution of Ordinary Differential Equations
- Numerical Solution of Ordinary Differential Equations
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Author

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Dr. Reena Garg , M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers.She has published more than 10 research papers in various InternationalJournals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore.

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C, C++, JAVA & J2EE Interview Questions (with ready Answers)

Author :	R.N. Satpathy
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This book in intended to serve as an interview book for the students professionals who intend to attend interview calls on Java platform. Students/Professionals who are getting ready for campus interview or a programmer in search for a better opportunity at any level, this is the one-step-reference for preparing for IT interview. This main aim of this book is to giving various interview related topics like C, C++ core java Adv. Java, J2EE and XML. This book is and excellent preparation kit to crack the IT Interview.

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Table Of Contents

- C++
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- Abstract Windows Toolkit (AWT)
- Event Handling
- Java Swing
- Java Applet
- Collection Framework
- Java Database Connectivity (JDBC)
- Java Networking
- Remote Method Invocation (RMI)
- Unified Modelling Language (UML)
- J2EE & XML

Author

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Akshat Srivastava

Warm Loving Medication

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Product Description

Following the suicide of an acquaintance, Abeer was suffering from a cliché case of doomsday syndrome. In a life where all everyone could bring into his life was either medication or addictions.

In this beautiful city with shit stained sidewalks and shit swinging elitism, life felt directionless until a small incident makes him realise he may need the same help he has been trying to extend. While shuffling through multiple therapists, A chance meeting with a woman leads to something far more than he ever imagined. The woman in question was Meera. The woman on the contrary was a being of never-ending optimism in a society full of nihilists.

Would This encounter help Abeer answer some questions which were left unanswered?

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Table Of Contents

- Long Lost Bliss
- The Flight
- Meera
- When Time Kept Pulling Us Towards Each Other
- The Side Effects of a Good Life
- The Therapist
- He knew, She Obviously Knew
- Is This Depression? Fuck If I Know
- Damini. Also, The Ugly
- Aren’t
- Birthdays Amazing?
- Weekender: Day 1
- Weekender: Self Control is a Virtue
- The Drive
- The Wait
- The Night All Hell Broke Loose
- The Therapist: Is This Real Life?
- The Office Romance or Something
- Questions
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- The Beautiful
- The Solo Trip
- The Nihilist

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- Love Hurts. Mental Illness Hurts More
- It’s
- All in Your Head, Akshat
- Each Their Own Agony
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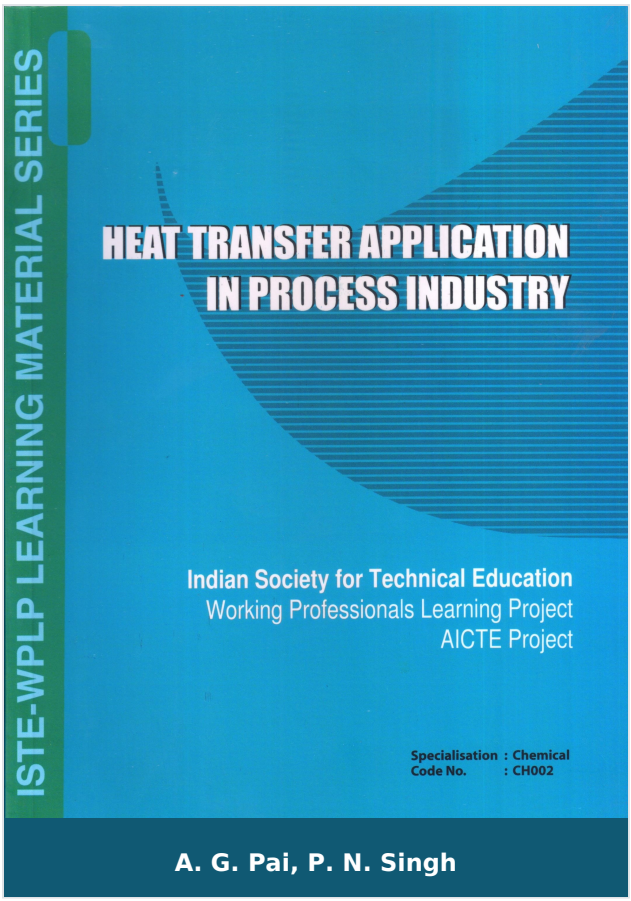

Heat Transfer Application in Process Industry

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Product Description

Heat transmission is very common and familiarly occurs in our daily life, so much that we tend to accept the process for granted and only think of its glaring manifestations and effects. We use our physical intuition to interpret thermal phenomena, and our reactions to hot and cod substances or the environment becomes voluntary. However, when heat transmission is considered from a quantitative point of view, it becomes quite clear that mechanism of heat transfer and their operations in a given system are not so trivial. Though there is evidence of use of fire by cave men about half a million years ago, yet only in relatively recent times the people have understood that heat is a form of energy in transit and that temperature is a measure of that energy present in a body. The importance of intelligent and judicious use of heat energy has been understood only recently when people have realized that source of heat energy such as coal, gas, and oil are not sufficient to sustain the economic development of the modern society.

Energy saved is energy generated. Process industries being leading consumers of heat energy, it is imperative on the part of the Managers of Process industries, to take all possible steps to minimize the wasteful use of this scarce resource. The text is intended to provide a good understanding of the basic concepts of heat transfer and enhance the skills of the operators and engineers running not only process industries using heat transfer equipment. It is targeted towards the working professionals who area diploma holders in engineering and graduates in science/engineering manning process industries. Emphasizing focuses upon, the ability to run heat transfer equipments efficiently, by bringing heat loss to unavoidable level.

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Table Of Contents

- A. G. Pai
- A. G. Pai
- P. N. Singh
- P. N. Singh

Author

A. G. Pai

Mr. A. G. Pai, is presently the General Manager (Projects) at Mangalore Refinery and Petrochemicals Ltd. Mangalore. He received his B. E. in Chemical Engineering from National Institute of Technology Karnataka (formerly known as K. R. E. C.), Surathkal and P. G. Diploma in Business Management. He has overs 25 years of industrial experience in running mega industrial trainings in various countries like USA, Germany, France, UK, and Malasytsia. The author is deeply indebted to his mother and all his teachers who have been the source of inspiration in his life. Dr.

P. N. Singh

Dr. P. N. Singh is the Director (Retired), National Institute of Technology Karnataka, Surathkal. He is basically a Chemical Engineer and has over decades of experience in teaching and research related to processes industries. The coauthor, Mr. S. R. Bhat, is presently working as Group General Manager (Instrumentation) at Mangalore Refinery and Petrochemicals Limited, Mangalore. He graduate in Chemical Engineering from Indian Institute of Technology, Chennai. Atomic Research centre, for seven years. Later he worked for Humphreys and Glasgow Consultants, for three years. He ha also worked for Uhde India Limited, for seven years. For the last sixteen years, he has been working for Mangalore Refinery and Petrochemicals in various capacities. He has introduced many

innovative ideas in running the process plants, particularly in the areas of instrumentation and control.

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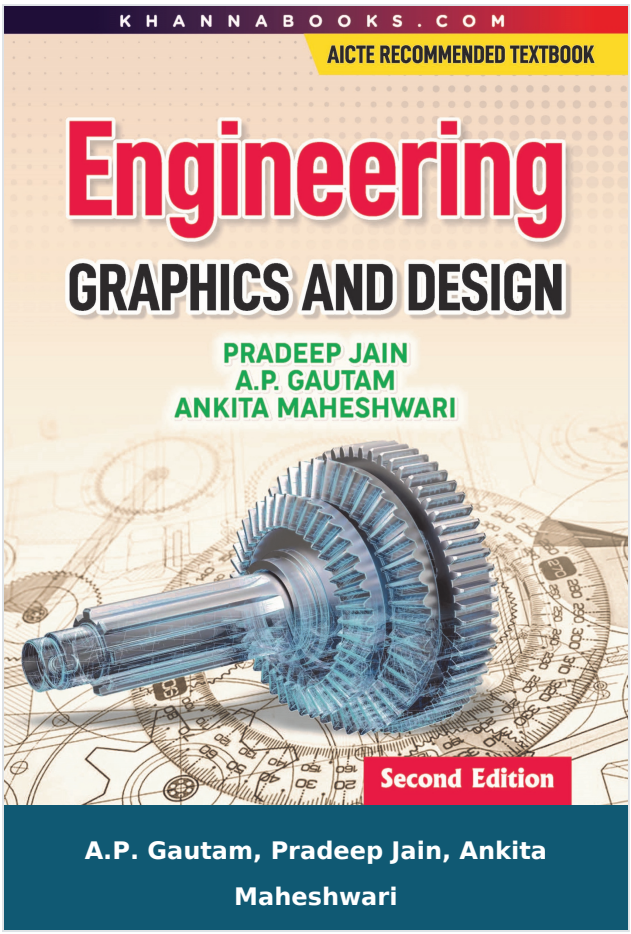

Engineering Graphics and Design

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

This book covers complete syllabus of Engineering Graphics and Design along with AUTOCAD catering requirements of B.Tech. in Engineering

The book is in easy to understand, simple English.

It provides step-by-step solutions to problems along with suitable example and proper drawings. Using AutoCAD and Solid Work. All chapter make learning easy with unique features such as Summary, Solved examples and Practice Problems.

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Table Of Contents

- Chapter-1: Introduction to Engineering Drawing
- Chapter-2: Projections
- Chapter-3: Auxiliary Planes and Views and Projections
- Chapter-4: Sectional Views
- Chapter-5: Isometric Projections
- Chapter-6: Overview of Computer Aided Design
- Chapter-7: Drawing Using AUTOCAD
- Chapter-8: Modifying Using AUTOCAD
- Chapter-9: Customisation and Productive Tools
- Chapter-10: Dimensioning, Annotations Layring
- Chapter-11: Soild Modelling
- Exercise
- Summary

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

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consultancy in CAD/ CAM field.

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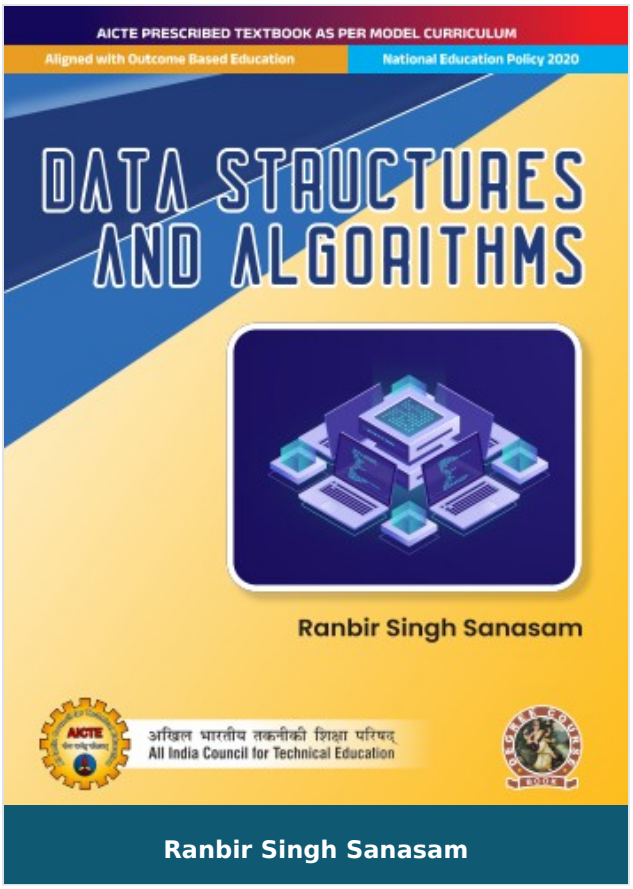

Data Structure and Algorithms

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Product Description

Data Structure and Algorithms

This book has been written considering the specific topics recommended by AICTE, in a very systematic and orderly manner. The fundamental concept of each topic recommended in the curriculum has been explained in an easy-to-understand manner with appropriate illustrative pictorial examples, algorithms, and program segments. The examples provide insights to the subject matter aligned with latest model curriculum of the AICTE, followed by the concept of outcome-based education as per the New Education Policy (NEP)-2020. At the end of each unit, a set of exercise problems is given for self-practice. A dedicated web site is also created for this book, where additional reading materials, source codes of various practice problems, additional exercise problems, and other resources are provided. The site can be accessed through the following URL: https://www.iitg.ac.in/ranbir/books/ DSA/index.html. This site will be updated regularly, and readers are encouraged visit the site for additional updates.

Salient Features:

- The content of the book is aligned with the mapping of Course Outcomes, Program Outcomes, and Unit Outcomes.
- In the beginning of each Unit, learning outcomes are listed to make the readers understand what is expected outcome after reading the unit.
- At the end of each Unit, a QR code is provided for exploring additional E-resources.
- Pictorial explanations, algorithms, work out examples are provided for ease of understanding of the topics.
- Objective questions, short questions, practice questions are provided for practice.

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Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- Introduction
- Array, Stack, and Queue
- Linked List and Trees
- Sorting, Hash and Graph
- CO and PO Attainment Table
- Index

Author

Ranbir Singh Sanasam

Dr. Ranbir Singh Sanasam Professor, Department of Computer Science and Engineering, IIT Guwahati, Assam

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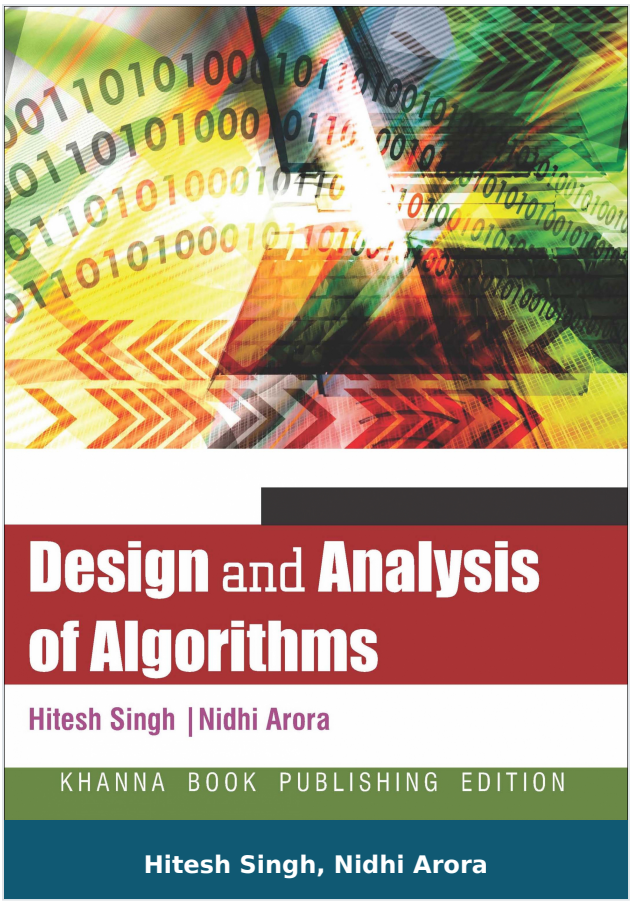

Design and Analysis of Algorithms

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Product Description

The focus of this book is on how to design good algorithms and how to analyze their efficiency. Various methods/ideas are explained with the help of examples which helps in developing fast and efficient algorithms. This book will also provide the correctness of algorithms and analyzing the algorithms. At the end of the chapters it chapters it has questions both solved and unsolved which has come in various Indian universities.

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Table Of Contents

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- Analyzing & Design of Algorithm
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- Quick sort
- Heap Sort
- Sorting In Linear Time
- Randomized Algorithm
- Elementary Data Structures
- Introduction To Tree
- Red-Black Tree
- AVL Tree
- B-Tree
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- Backtracting
- Model Questions
- End-Term Examination

Author

Hitesh Singh

Hitesh Singh Hitesh Singh has done M.Tech from C-DAC, Noida, in CSE. His research area are information security, Steganography, Algorithms and Software Engineering.

Nidhi Arora

Dr. Nidhi Arora is MBA, MCA and doctorate in Computer Science. She is an author of various books and also published research papers in reputed generals.

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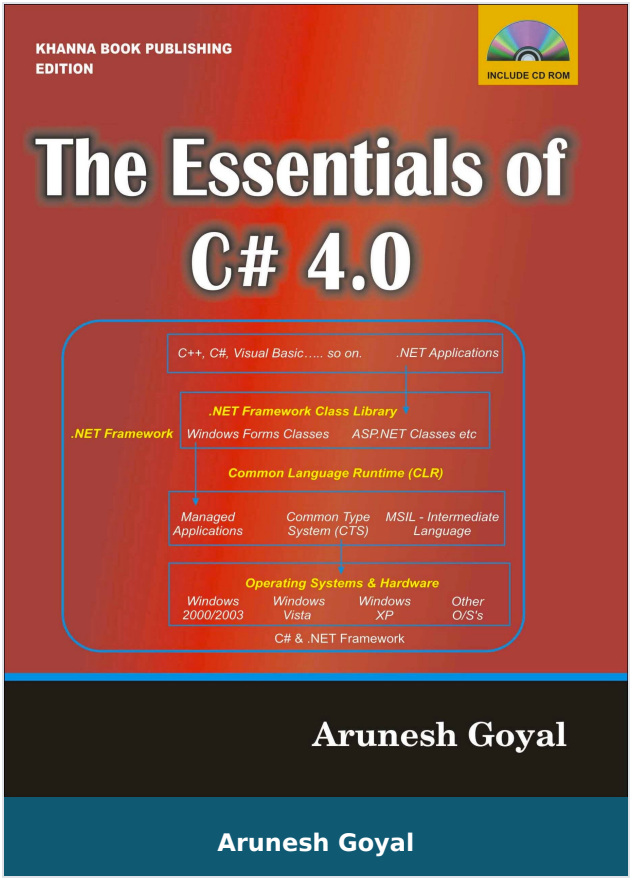

The Essentials of C# 4.0

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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
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Condition Type :	New
Country Origin :	India

Product Description

There are 10 case students in all pertaining to wide ranging topics. These will help you to see the practical side of applying C# in the real world and understand the theoretical subject matter of the text much better. Besides, there are more than 100 solved examples to help you out. The appendix carries a set of 35 typical problems which you will do will to your hand at in your one interest besides taking up the practical sessions affixed at the end of each chapter, In all these amount to 150 practical problems and exercises. we are confident that if you can solve all these problems on your one, you will be on your way to mastering C#. The glossary and the index section are for your ready reference. The glossary, in particular, has been designed so that you are able to understand much of the computer jargon associated with C# and the .NET environment in a big way.

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Table Of Contents

- Getting Started with C#
- Classes, Objects and Methods
- Operator Overloading
- Indexers and Properties
- Inheritance / Polymorphism
- Interfaces, Structures and Enumerations
- Exception Handling
- I/O Strings and Formatting
- Appendix
- Glossary

Author

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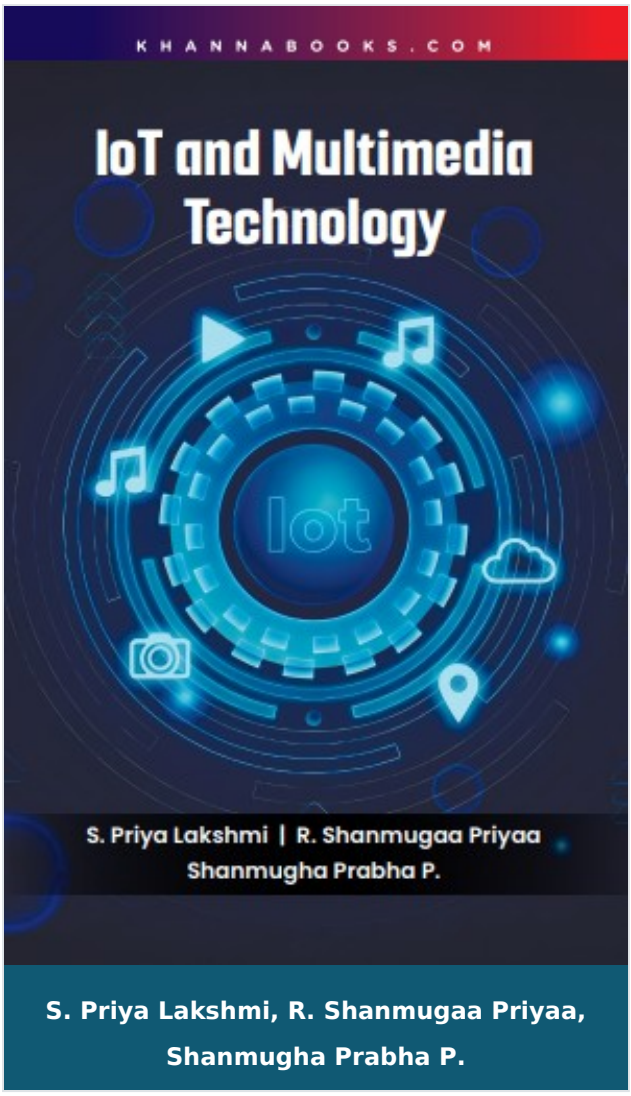

S. Priya Lakshmi, R. Shanmugaa Priyaa, Shanmugha Prabha P.

IOT and Multimedia Technology

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Product Description

IOT and Multimedia Technology

The book IOT AND MULTIMEDIA TECHNOLOGY serves as a comprehensive and essential guide to the transformative convergence of the Internet of Things (IoT) and Multimedia Big Data (MMBD) Computing. This powerful synergy is fundamentally reshaping the digital landscape, enabling intelligent data processing, real-time analytics, and innovative applications across critical sectors such as healthcare, smart cities, and industrial automation.

The primary purpose of this text is to provide a profound understanding of the interconnected evolution and far-reaching impact of these technologies by examining both fundamental principles and state-of-the-art solutions. A core theme addresses the critical challenge of effectively managing the massive volume and velocity of multimedia data while ensuring minimal energy expenditure in resource-constrained IoT devices. Readers will delve into complex technical areas, including the architectural foundations for real-time data stream monitoring, advanced transport protocols, and the deployment of guaranteed Quality of Service (QoS) models like DiffServ and IntServ. The book maintains a structured, academic approach that skillfully balances theory with practical application, featuring numerous case studies from military surveillance to precision agriculture.

This resource is an indispensable tool for a broad target audience, including students and academics seeking advanced knowledge, technology enthusiasts, and industry professionals or researchers looking to master the multidisciplinary approaches required to navigate and contribute meaningfully to this rapidly advancing field.

Salient Features:

- **Deep Learning Analytics**: Explores Deep Learning models like CNNs and RNNs, demonstrating their efficacy for Multimedia Big Data analysis, pattern recognition, and anomaly detection in vast IoT data streams.
- **Network QoS Models**: Detailed coverage of Guaranteed Service Models such as DiffServ and IntServ, alongside QoS-aware routing and queuing techniques, crucial for reliable multimedia delivery.
- **Energy-Efficient Design**: Addresses the critical challenge of Energy Conservation in multimedia IoT, presenting solutions like energy-efficient protocols, cross-layer optimization, and energy harvesting technologies for resource-constrained devices.
- **Multimedia Transport**: In-depth analysis of transport protocols (TCP and UDP) for interactive and non-interactive applications, including techniques for jitter removal and transcoding considerations in streaming.
- **Embedded Network Evolution**: Traces the development of the Embedded Internet through WSNs, M2M Communications, and the innovative architecture of Information-Centric Networking (ICN).
- **Key Protocol Standards**: Focuses on essential hardware and session control protocols that form the backbone of advanced systems, including H.322, SIP, MGCP, RTSP, and RTP/RTCP.
- **Real-World Case Studies**: Features practical applications in Precision Agriculture, Military Surveillance, Smart Cities, and Video Conferencing, highlighting the limitless frontiers of multimedia big data in IoT.

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Table Of Contents

- Multimedia Big Data in IoT Ecosystems
- Guaranteed Service Model
- Multimedia Transport
- Evolution Embedded Internet
- Application Environment

Author

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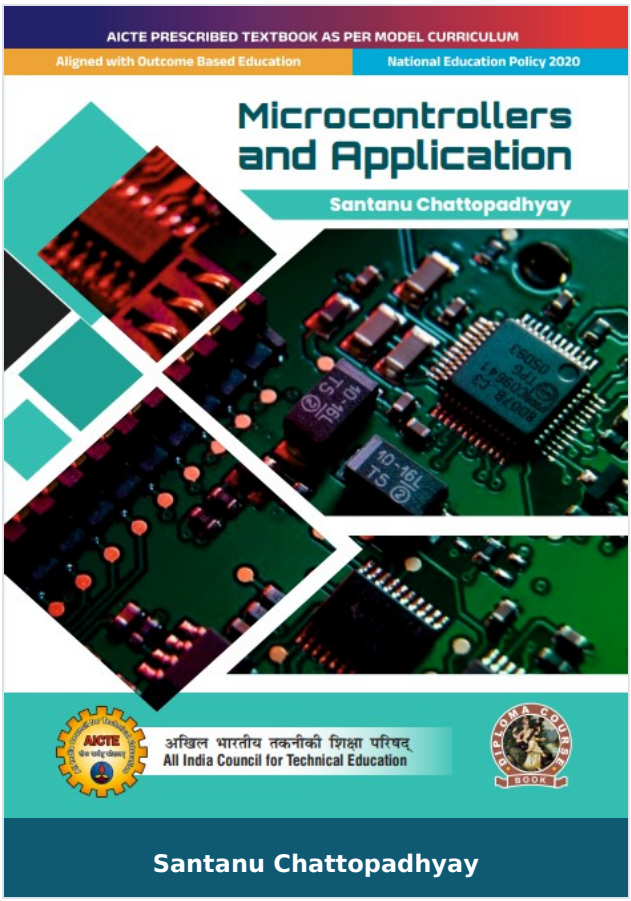

Microcontrollers and Applications

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Product Description

Microcontrollers and Applications

This book contains topics of Microcontrollers and Applications for the fourth semester students of diploma course strictly as per syllabus and model curriculum of AICTE and aligned with the theme of outcomes-based education according to National Education Policy 2020. This book comprises of fives units covering topics on fundamentals of microprocessors and microcontroller, The 8051 Architecture, instruction set and programming, I/O Interfacing and introduction to advanced Processors and Concepts.

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 matter.
- Figures, tables, inserted to improve clarity of topics.
- A ‘know more’ section in each unit to extends the learning beyond syllabus.
- MCQs, short-answer type, long-answer type, numerical q\and practical questions added for the units to help in self-checking of Knowledge.
- Answers have been provided for the MCQs and numerical questions. Hints have been given for solving the practical problems.

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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
- Fundamentals of Microprocessors and Microcontrollers
- The 8051 Architecture
- Instruction set and programming
- I/O interfacing
- Introduction to advanced processors and concepts
- CO and PO Attainment Table
- Index

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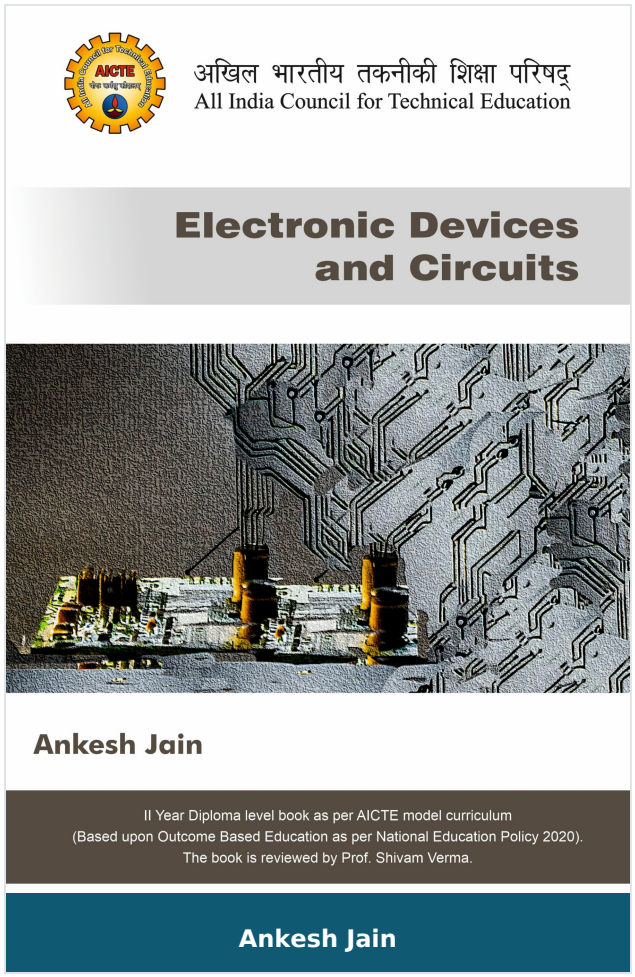

Electronic Devices and Circuits

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Product Description

Electronic Devices and Circuits

This book gives detailed description about basics of semiconductor devices, its operation, involved device physics and applications. It also covers basic concept related to small signal analysis, circuit analysis and covered examples with their stop-by-stop solutions makes this book a perfect offering on the subject.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a ‘know more’ section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps

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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
- Bipolar Junction Transistor (BJT)
- Field Effect Transistor (FET)
- Power Devices
- Amplifier and Oscillator
- Co and Po Attainment Table
- Index

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