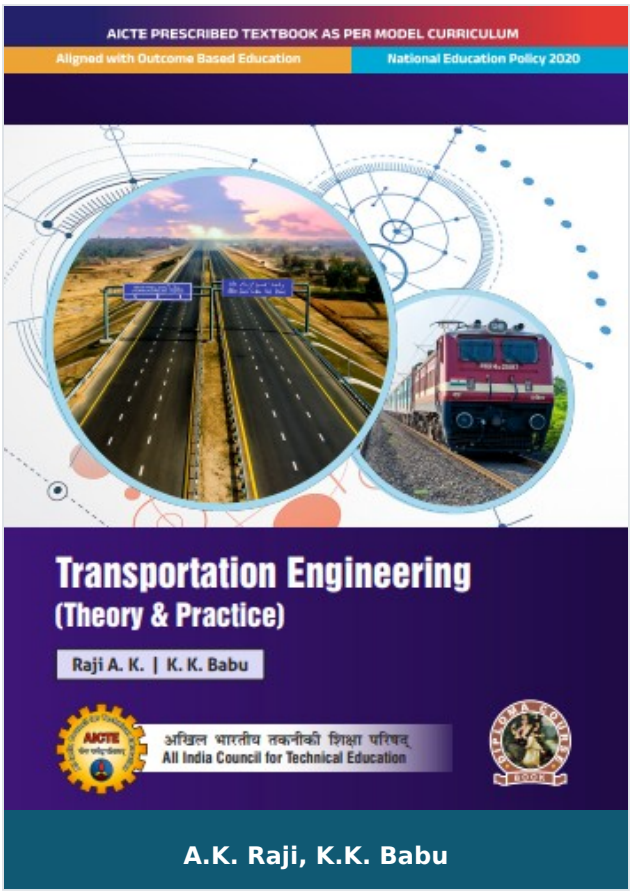

Transportation Engineering (Theory & Practice)

Author :	A.K. Raji, K.K. Babu
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Product Description

Transportation Engineering (Theory & Practice)

This book gives a comprehensive coverage of Highway Engineering and Railway Engineering, and is primary intended for the second-year Diploma course under the AICTE curriculum. The contents are designed and presented in simple language and lucid style in line with the principles of implementation of outcome-based education, as per the National Education Policy (NEP)2020.

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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- TRACK GEOMETRICS, CONTRUCTION AND MAINTENANCE
- APPENDICES
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Author

A.K. Raji

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K.K. Babu

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Engineering Workshop Practice

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Product Description

“ Engineering Workshop Practice Manual” is a common paper for the first year Diploma course 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.

Engineering Workshop Practice manual covers five units- First unit deals with the carpentry, second unit is about fitting , third unit focuses on welding, fourth units discusses about sheet metal working and the fifth unit deals with electrical house wiring . The manual comprises of total seventeen workshop practical from P1 to P17 and the same are arranged in hierarchical manner from simple to complex so that students should not only focus on completing the practical and getting the marks/ grades but will also be motivated to create useful products incorporating their creative and critical thinking as well.

Some salient features of the book:

1. Content of the manual aligned with the mapping of Course Outcomes, Programs Outcomes and practical outcomes.

2. Relevant theory has been included at the beginning of each practical.

3. The manual has been developed to ensure alignment with the Outcome Based Education philosophy and consisting of total seventeen workshop practical.

4. Unit wise practical are arranged in hierarchical manner from simple to complex.

5. Manual provides recent information and QR Code for E-resources etc.

6. Figures, photographs and table are inserted to improve clarity of the content.

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- Fitting.
- Welding Tools and Equipment.
- Sheet Metal Working.
- Electrical House wiring.
- Index

Author

A. K. Sarathe

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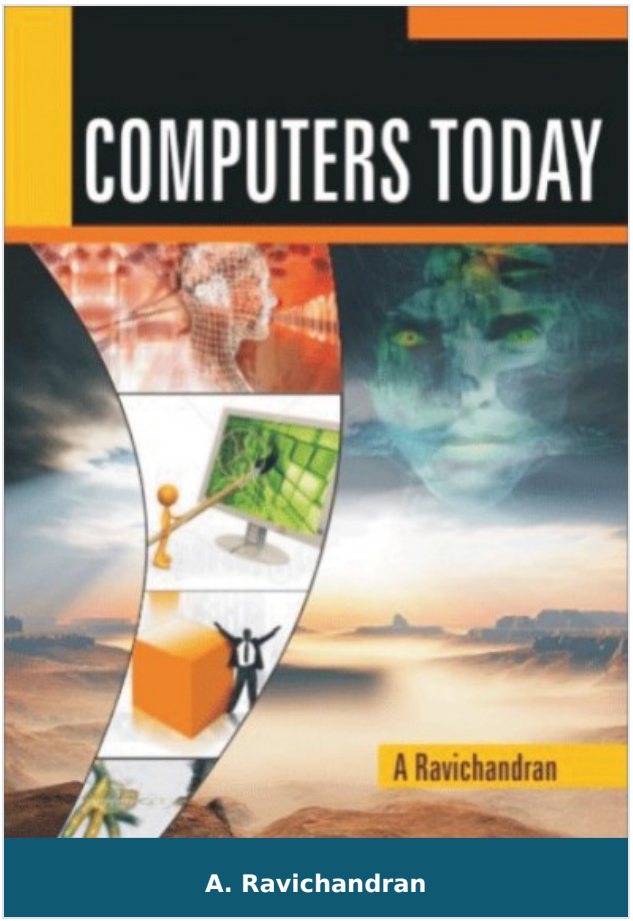

A. Ravichandran

Computers Today

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Product Description

This book covers all the aspects of computers starting from development of a computer to it software. Hardware, communication and many more. Since now a days computers are finding its way into every home, business industry, corporate and research activity, therefore the purpose of this book is to cover all the targeted audiences including beginners, advance users, computer specialists and end users in a best possible manner. After going through this book you will be to find out- If a computer is needed by you or your organization. specification of the computer required by you or your organization. How installation of the computer will benefit you or your organization. Time for updating of your computer/ its hardware/ software. Basic as well as advance know-how about computers, its software and hardware. fast and easy steps for better working.

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- Computer System Management
- Managing Information Resources
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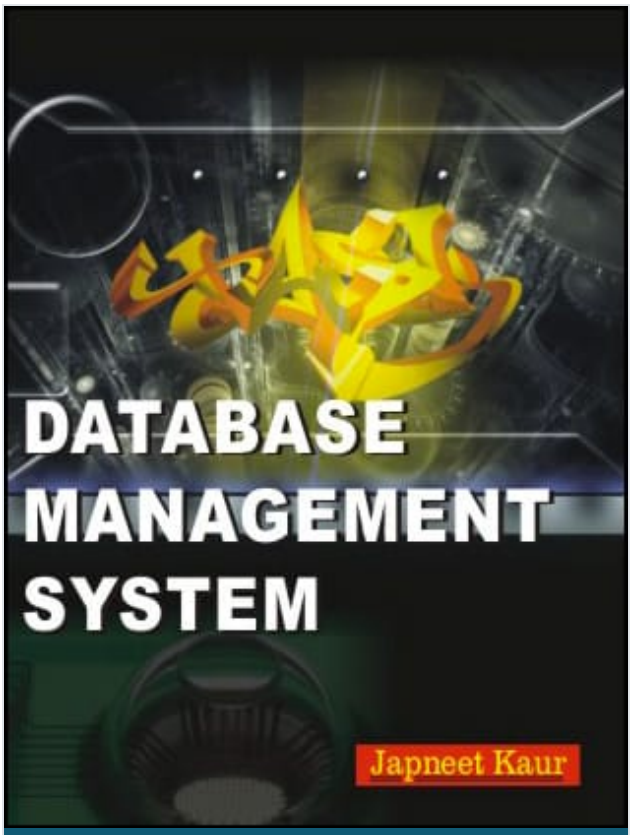

Japneet Kaur

Database Management System

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Product Description

The major objective of this book is to provide a strong formal foundation in database concepts, technology and practice to the readers to groom them into well-informed database application developers. Rather than discussing isolated knowledge/experience fragments in each of the concepts, technology and practice, the book will aim at achieving a good blend of the three. The overriding concern, therefore, it to include just enough concepts and theory to motivate and enrich the practical component, and to include technology component to maximize the relevance of the book to the industry without sacrificing the long-term objectives of rigour and foundational strenght that can withstand the vagaries of technological advances. Written in simple and lucid language. Covers the UG and PG courses of various universities. Designed for the students as well as for the professionals. covered wide ranging topics with flexible organization and logical flow, enriched with large no. of examples and illustrative figures. Beside the basic fundamentals of DBMS this book also covers the advanced topics in database system such as distributed databases recovery, Transaction, concurrency and security etc. Special emphasis has been given on emerging trends in database System. numbers of expected questions are given for practices.

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- Distributed Database Management System
- Expert System
- Oracle Structured Query Language* Plus
- Procedural Languages/Structured Query Language
- Developer Form
- Developer Report

Author

Japneet Kaur

DR. Japneet Kaur B.Sc./BCA/M.Sc./MCA/B.Tech./M. Tech. etc of various Indian Universities.

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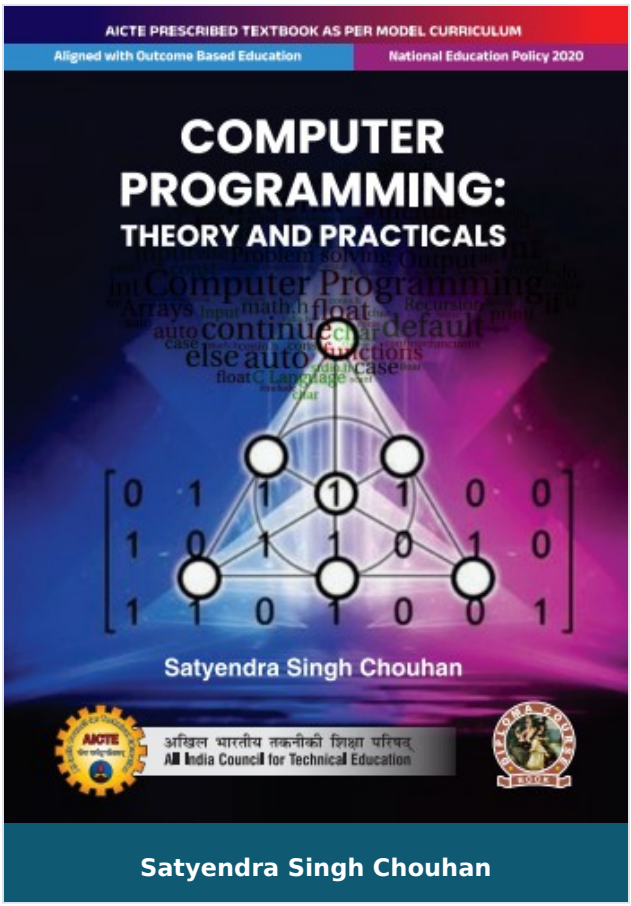

Computer Programming: Theory and Practicals

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Product Description

Computer Programming: Theory and Practicals

This book is written to provide fundamental knowledge of problem-solving using c programming language for beginners. It employs real-life examples for better understanding. It covers topics such as the foundation of c programming, input-output in c, control statements, Arrays and functions, and recursion & recursive solutions. This book is an amalgamation of theoretical understanding and practical applications.

This book includes visuals and step-by-step solutions for explaining the key concepts. This book is aimed at diploma and undergraduate engineering students to enhance their problem-solving skills.

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.

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- Solved and unsolved problems including numerical examples are solved with systematic steps.

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Author

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

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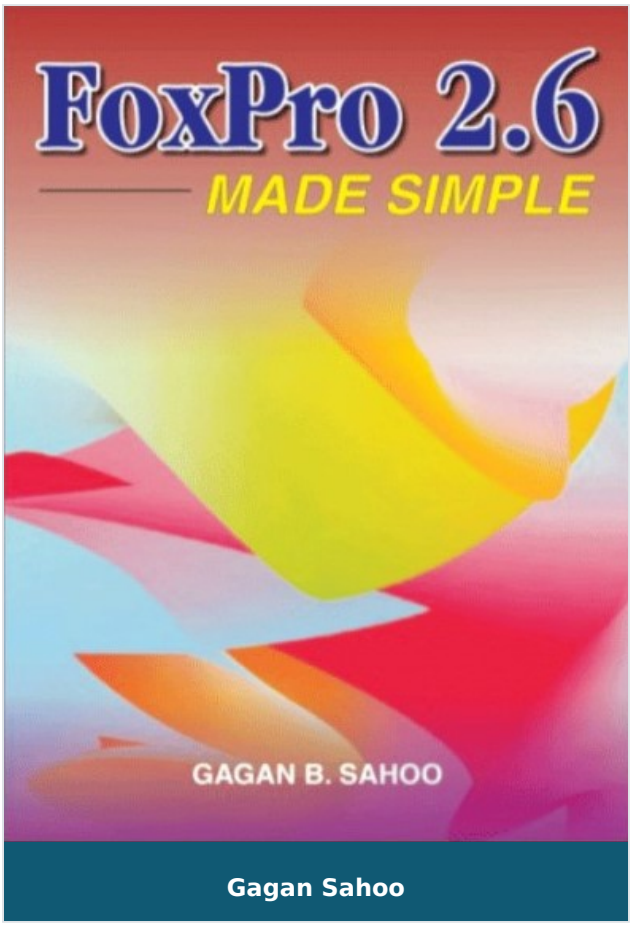

Gagan Sahoo

FoxPro 2.6 Made Simple

Author :	Gagan Sahoo
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Product Description

FoxPro for windows is a program that runs on IBM and other IBM-compatible PCs and operates under microsoft windows. FoxPro for window is a database management system(DBMS) with which you can: Create and maintain a list of data called a table or database files, such as library list, member list, inventory, etc. Maintain any collection of information using FoxPro for MS-DOS and windows, sort and organize tables. Search for/retrieve information within a table. Generate reports, input forms, and mailing label from tables. Organize information in multiple tables and retrieve data simultaneously from any of the tables. Alter existing tables and arrange the structure.

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- Control Flow
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- Windows Menus and Popups
- Reporting Through Programming
- Structural and Procedural Programming
- Event Trapping
- Case Studies Admission System
- Appendix

Author

Gagan Sahoo

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Gagan Sahoo This well -organized and comprehensive book offers a detailed coverage on Visual Basic Programming concept. It contains a rich collection of examples, exercises and project based concepts. This book concentrates on the principles of good software engineering and stresses program clarity. without assuming and background knowlwdge of programming, this book teaches VB language using carefully graded approach. The book covers easy-to understand steps, from simple programs to sophisticated ones that demonstrate VBs power for programming development. Using this book you can create different application statring from desktop application; database Handling to Internet based programming. The book contains 100's source codes in different chapters in CD. He has more that 15 Years of experience in the computer field working as a software developer, director of software development. He is a well-known author of various computer books including, VB, C++, Java. Since last 10 years, he has lots of experience in different computer project works. He has written number of project books including Foxpro, C, C++, Vb, etc. He associates Mr. Arvind Kumar working as co-author in various technical projects in .NET technology. He has been Programming in various .NET project and tested so many code on Microsoft's .NET environment. His prime development of Beginner's Guide to VB, C# 2005 (with.NET 3.0), ASP.NET, VB.NET, etc. Which was written to fullfil the need and development guide for the students and developers.

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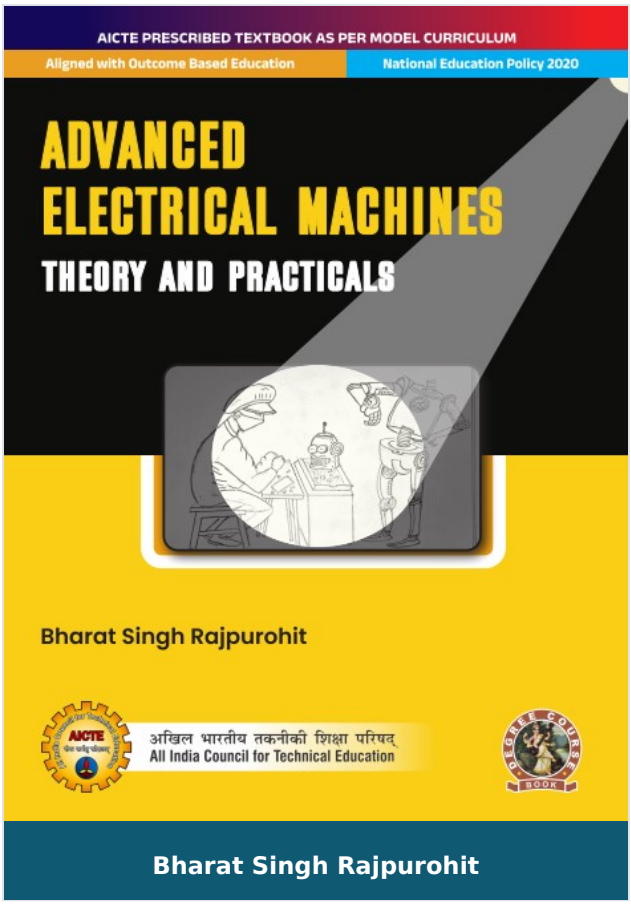

Advanced Electrical Machines: Theory and Practicals

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Product Description

Advanced Electrical Machines: Theory and Practicals

“Advanced Electrical Machines: Theory and Practical’s” is a course that equips engineering students with a comprehensive understanding of advanced concepts in AC electrical machines, enabling them to analyze, design, and evaluate machine performance. This textbook offers a well-structured, student friendly introduction to AC machines, specifically tailored for fourth semester undergraduate students of core engineering branches. Drawing upon the AICTE’s revised model curriculum, the material presents a balanced integration of theory and practical applications. It covers key topics such as the fundamentals of AC machine windings, the behavior of pulsating and revolving magnetic fields, the operational characteristics of induction and synchronous machines, and single-phase motor theory. Emphasis is placed on understanding the underlying electromagnetic principles, performance characteristics, and modern methods for control and testing. Book will help students in building a strong foundation and to gain both analytical and practical competencies. By the end of this course, students will be able to understand, analyze, and characterize the AC machines.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Program Outcomes, and Unit Outcomes.
- At the beginning of each unit learning outcomes are listed to make the student understand what is expected of him/her after completing that unit.
- The book provides a lot of recent information, interesting facts, references for further reading, simulation codes, etc.
- Student and teacher-centric subject materials included in the book in a balanced and chronological manner.

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- Figures, tables, and output waveforms are included to improve the clarity of the topics.
- Apart from essential information a ‘Know More’ section is also provided in each unit to extend the learning beyond the syllabus.
- At the end of each chapter, short questions, objective questions, and long answer exercises are given for the students to practice.
- Problems including numerical examples are solved with systematic steps provided.

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- Advanced Electrical Machines: Curriculum Experiments
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- Further Reading
- References for Further Learning
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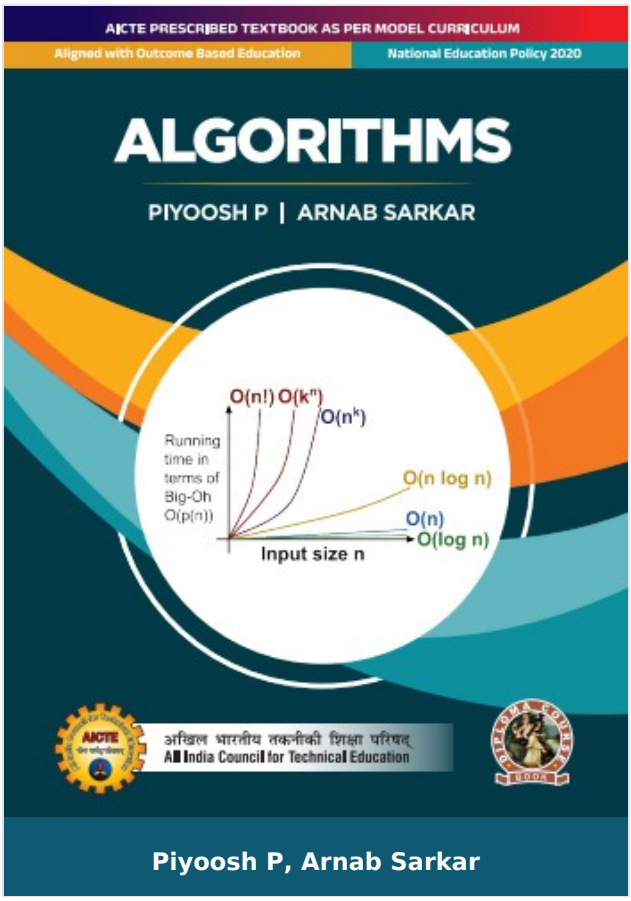

Algorithms

Author :	Piyoosh P, Arnab Sarkar
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Product Description

Algorithms

This book presents data structures and algorithms whose knowledge is indispensable to effective computer programming. Design of algorithms strategies for different types of applications as well as techniques for analyzing them have been introduced, so that the students gain an understanding of mechanisms for constructing correct and efficient software programs. The main content of this book is aligned with the model curriculum of AICTE followed by the concept of outcome-based education as per National Education Policy (NEP) 2020.

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 unit.

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- Index

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Piyoosh P

Dr. Piyoosh P Assistant Professor, Department of Computer Science and Engineering Dr.

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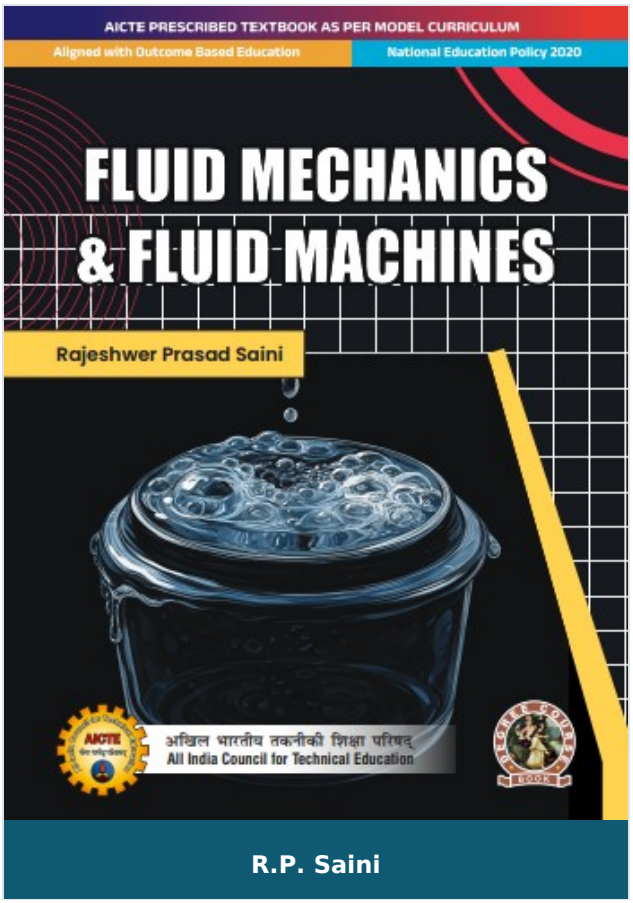

Fluid Mechanics & Fluid Machines

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Product Description

Fluid Mechanics & Fluid Machines

This book familiarizes the students to different domains of Fluid Mechanics & Fluid Machines. This covers fundamentals of fluid mechanics, fluid dynamics, dimensional analysis, water turbines and pumps. Main purpose of the book is to help students and researchers to understand and apply the fundamentals to applications in engineering problems. The main content of this book is aligned with the model curriculum of AICTE followed by concept of outcome-based education as per National Education Policy (NEP) 2020.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
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- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

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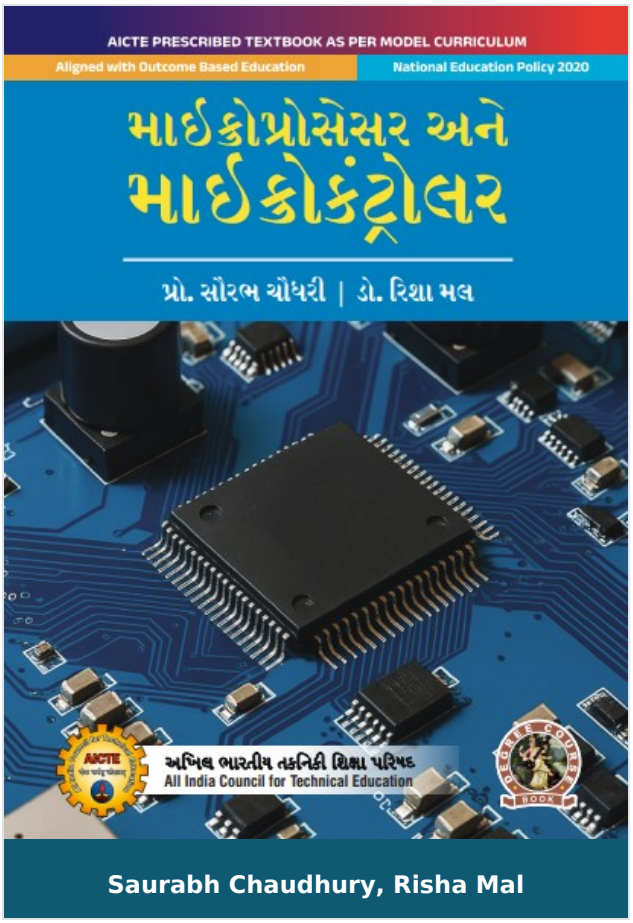

Microprocessor and Microcontroller

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Product Description

Microprocessor and Microcontroller

This book aims at providing the readers specially, the second-year undergraduate students a thorough knowledge of microprocessors and microcontrollers in a best possible way. Syllabus of this book is as per the AICTE model of curriculum, following National Education Policy, 2020. Each chapter of the book is written in a very lucid manner so as to understand the underlying concepts easily with explanatory examples followed by review questions, exercises and QR codes of online links and other learning resources. The book begins with a brief history on the evolution of computers and processors for making the subject interesting. Further, starting from the very basic microprocessor 8085 and the basic microcontroller 8051, the book gradually progresses towards advanced microprocessors and microcontrollers in the most appropriate manner.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit 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.
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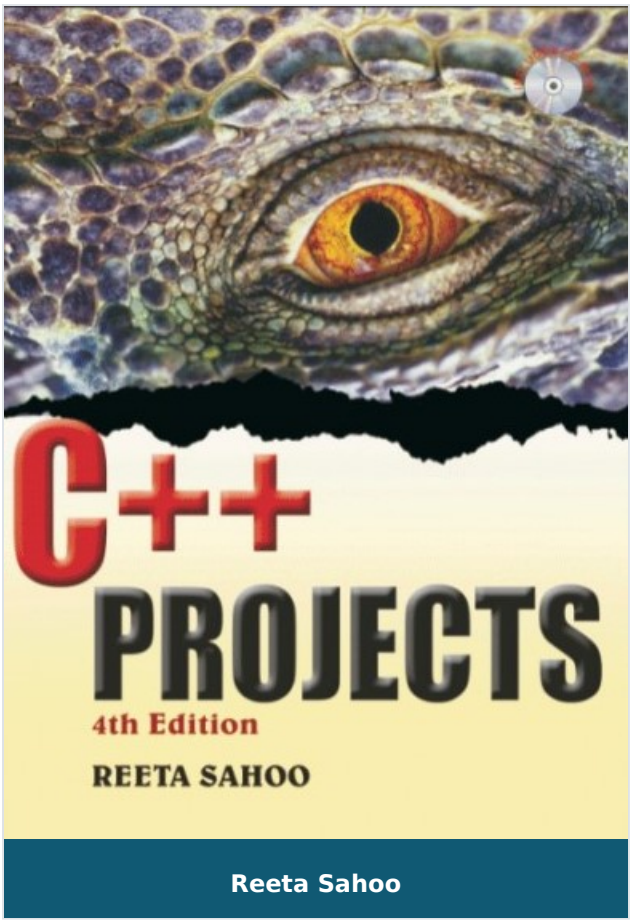

Reeta Sahoo

C++ Projects

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- Bricks Game
- Chess Master.

Author

Reeta Sahoo

Reeta Sahoo is an author of various books including, C++, VB, Java. Since last 10 years, she has lots of experience in different computer project works. She has written number of schoolbooks including C++, Visual Basic, Java, etc. This book helps lots to the beginner's who want to develpo programming skill in C++ language.

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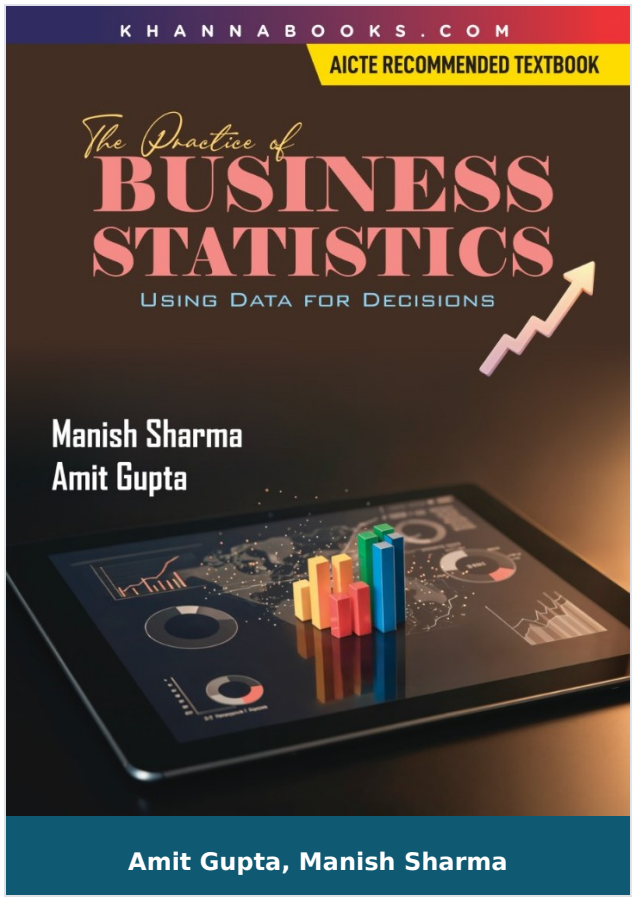

Amit Gupta, Manish Sharma

The Practice of Business Statistics

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