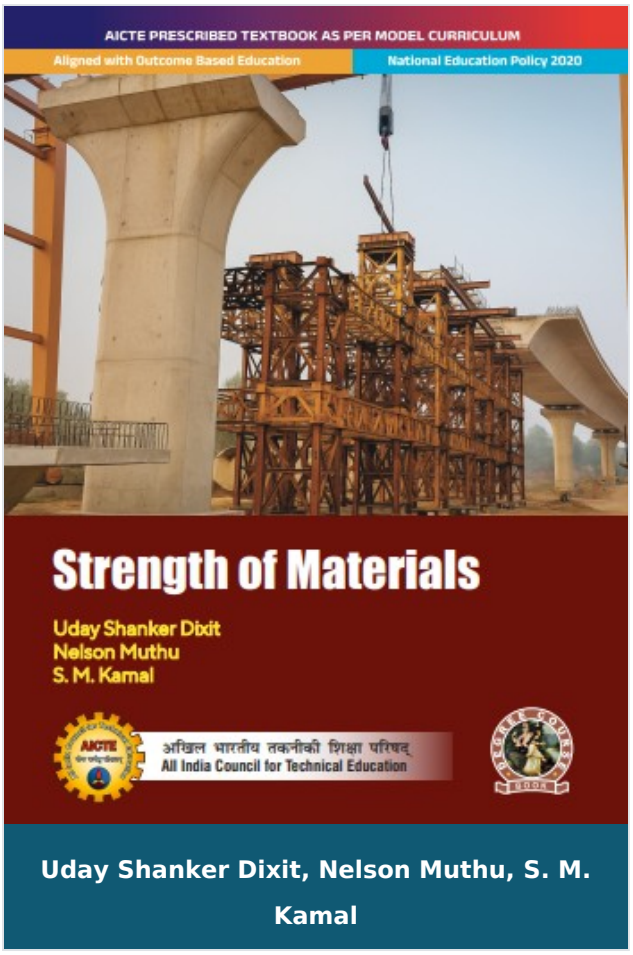

Strength of Materials

Author :	Uday Shanker Dixit, Nelson Muthu, S. M. Kamal
ISBN 13 :	978-93-55386-02-1
ISBN 10 :	9355386028
E-ISBN 13 :	978-93-55386-02-1
Edition :	First
Pages :	428
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 799.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Strength of Materials

This book on Strength of Materials follows so-called engineer's approach. It is a suitable book for one-semester first course on Solid Mechanics or Strength of Materials for undergraduate students of engineering. The uniqueness of the book is that basic concepts have been covered in a lucid manner such that students can also be prepared to study a course on theory of elasticity (so-called mathematician's approach) in later classes. There are sufficient number of exercise problems in this book, which prepare students to become practicing engineer or a researcher. The book also contains multiple choice questions. Content of the book, examples and exercise problems have been optimized. Thus, the learning output to effort ratio can be enhanced with the support of this book.

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.
- 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.

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- 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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- Bending stresses
- Shear stresses in beams
- Deflection and slope of beams
- Torsion of circular shafts
- Thin and thick cylinders and spheres
- References for further learning
- CO And PO Attainment Table
- Index

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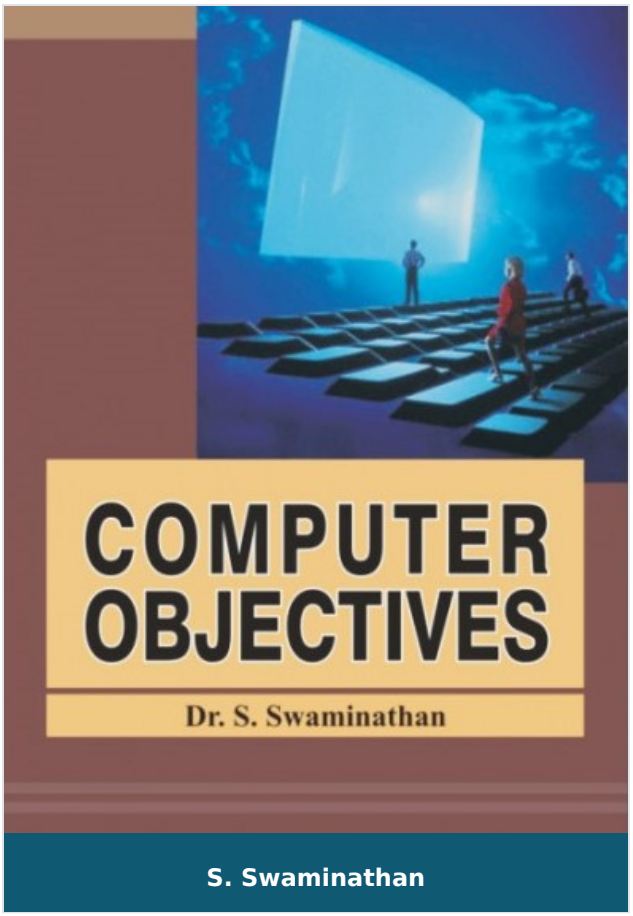

Computer Objectives

Author :	S. Swaminathan
ISBN 13 :	978-81-90675-88-8
ISBN 10 :	8190675885
E-ISBN 13 :	978-81-90675-88-8
Edition :	1
Pages :	406
Type of book :	Physical
Year :	2014
Language :	English
Publisher :	Khanna Publishing House
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Categories :	OBJECTIVE TYPE BOOKS, Book Store
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Product Description

This book has originated from the fact that students who are preparing for various different examinations like GATE, BARC, NTPC, ONGC, HAL,C-DOT,IOCL etc., have to refer to many different books for good and conceptual objective questions in Computer Science & Eng. stream keeping above examinations in mind the book has been organized to provide students the best.

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- Compilers
- DBMS
- C Language
- Object Oriented Programming with C++
- Probability Theory
- Discrete Mathematics
- Matrix Algebra
- Combinatorics
- Numerical Analysis
- Graph Theory
- Gate Papers with Solutions

Author

S. Swaminathan

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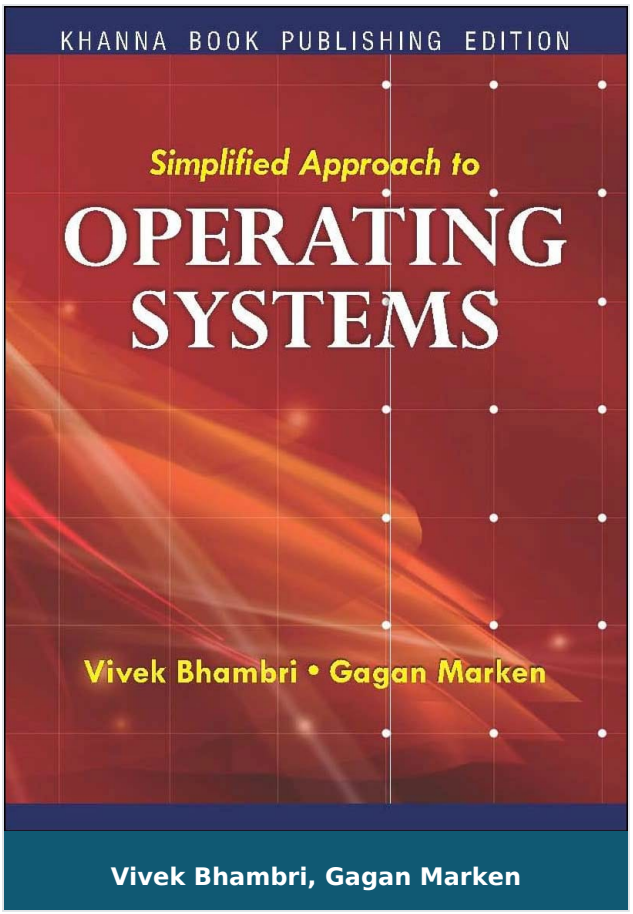

Simplified Approach to Operating Systems

Author :	Vivek Bhambri, Gagan Marken
ISBN 13 :	978-93-82609-15-5
ISBN 10 :	9382609156
E-ISBN 13 :	978-93-82609-15-5
Edition :	1
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Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
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Condition Type :	New
Country Origin :	India

Product Description

The book 'Simplified Approach to Operating Systems' is designed as a basic text book for computer science students at Post Graduation and under Graduation levels. It explains the technical concepts of operating systems in simple and easily understandable language. It does not bind the reader to one particular operating system, rather explains the concepts in general. It covers the complete syllabus of MCA,BCA, B. Tech and M.Sc. (IT) courses of all Indian Universities.

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- File Management
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- Protection & Security
- Distributed File System
- Case Study On disk Operating System (DOS)
- Case Study On Windows Operating System
- Case Study On Unix
- Case Study On Linux Operating System
- Multiple Choice Questions
- Model Question Papers

Author

Vivek Bhambri

Vivek Bhambri is working as Head, Department of Computer Sciences at Desh Bhagat Institute of Management and Computer Sciences, Mandi Gobindgarh (Punjab). He has a

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total teaching experience of 10 years. He is pursuing his research in the field of data mining. His areas of interest include Data Mining and Computer Architecture. He has published more than 20 research papers in International and National Journals.

Gagan Marken

Gagan Marken is working as Assistant Professor, in Computer Sciences Department at Desh Bhagat Institute of Management and Computer Sciences, Mandi Gobindgarh, (Punjab). He has a total experience of 12 years in the Industry and Teaching. He has published more than 20 papers in International and National Journals.

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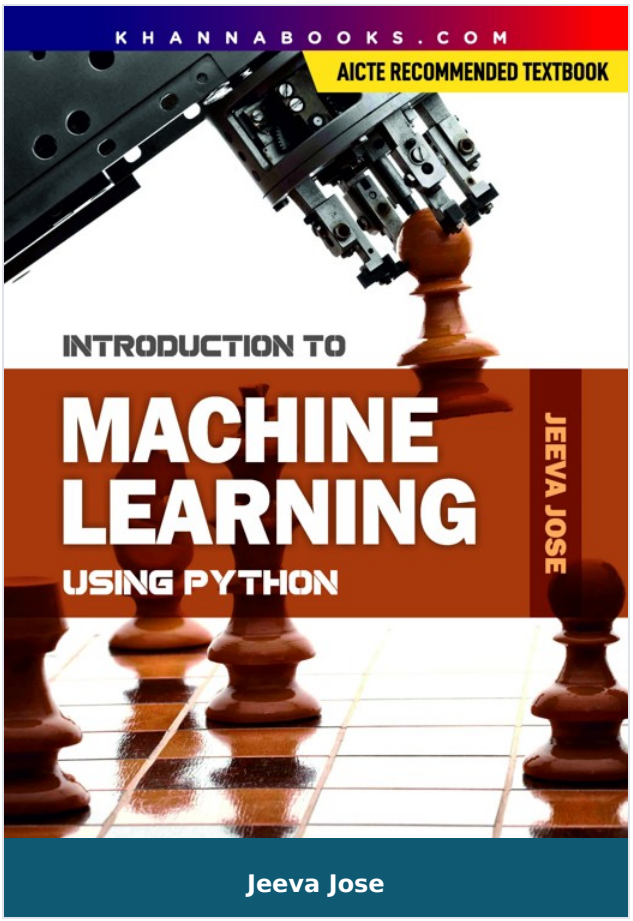

Introduction to Machine Learning

Author :	Jeeva Jose
ISBN 13 :	978-93-89139-06-8
ISBN 10 :	9389139066
E-ISBN 13 :	978-93-89139-06-8
Edition :	First
Pages :	200
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- Artificial Neural Networks using TensorFlow

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 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.

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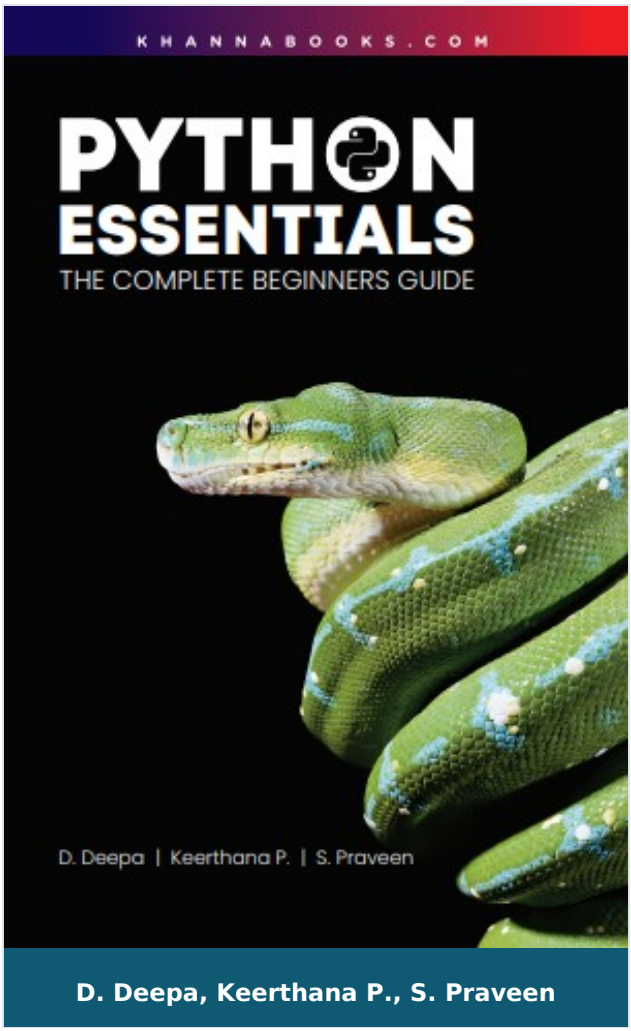

D. Deepa, Keerthana P., S. Praveen

Python Essentials (The Complete beginners Guide)

Author :	D. Deepa, Keerthana P., S. Praveen
ISBN 13 :	978-93-55386-19-9
ISBN 10 :	9355386192
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Publisher :	Khanna Publishing House
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Condition Type :	New
Country Origin :	India

Product Description

Python Essentials (The Complete beginners Guide)

Python is the bedrock of modern technology—powering everything from Data Science and Machine Learning to Web Development and System Automation. But where do you start?

Python Essentials: The Complete Beginner's Guide is your definitive, practical roadmap. Built specifically for absolute beginners, this book capitalizes on Python's simple, English-like syntax to ensure a swift and successful journey into coding.

This guide moves beyond theory, equipping you with the fundamental logic and Object-Oriented Programming (OOP) principles needed for professional work. By the time you finish, you won't just know Python; you'll be able to build, debug, and implement real-world solutions. Launch your career or elevate your productivity—the power of Python starts here.

Salient Features:

This guide provides a complete, hands-on path to Python mastery, focusing on modern, practical skills:

- **Core Foundations**: Master the essential building blocks, including variables, expressions, and primary data structures (Lists, Strings, Tuples, Dictionaries).
- **Object-Oriented Programming (OOP)**: Gain a clear understanding of OOP principles (Classes, Objects, Inheritance) to write robust, scalable, and reusable code.
- **GUI and Database Development**: Develop practical tools by learning to build Graphical User Interfaces (GUI) with Tkinter and manage data using the SQLite database library.
- **Debugging and Error Handling**: Acquire crucial development skills like effective Exception Handling and code tracing using Python's built-in debugger, pdb.

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- **Real-World Project Skills**: Learn to manage projects professionally with topics like File Handling, utilizing Virtual Environments, and performing efficient Code Reviews.
- **Versatile Programming**: Understand Python's support for multiple paradigms, including procedural, functional, and object-oriented styles, preparing you for any job role.

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- Introduction to Python and Basic Constructs
- Object-Oriented Programming Concepts
- Functions, File Handling, and Error Handling
- GUI Programming and Database Handling
- Networking and Hands-on Project

Author

D. Deepa

Deepa, Keerthana P., S. Praveen

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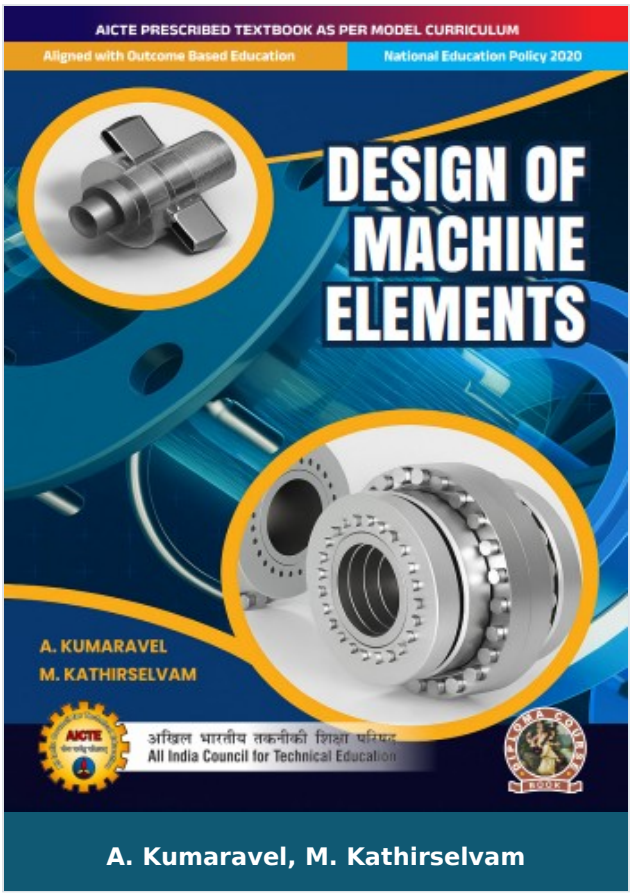

A. Kumaravel, M. Kathirselvam

Design of Machine Elements

Author :	A. Kumaravel, M. Kathirselvam
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Country Origin :	India

Product Description

Design of Machine Elements

This book fives detailed description about introduction to design, simple machine part design, antifriction bearings, shafts, keys, couplings and spur Gears, Power screws springs, fasteners, ergonomics & aesthetic consideration in design. Logical organization and a wide variety of problems with their step-by-step solutions makes this book a perfect offering on the subject.

Salient Features

- Content of the book aligned with the mapping if course Outcomes (Cos), programs Outcomes (Pos) and Unit Outcomes (UOs).
- In the beginning of each unit outcomes are listed to makes the student understand what is expected out of him/her after completion that unit.
- Book provides lots of recent information, interesting facts, OR codes for E-resources, etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures and tables are inserted to improve clarity of the topics.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- step-by-step solutions are provided for solved problems, including numerical examples.

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- Design of shafts, keys, couplings and spur gears
- Design of power screws and springs
- Design of Fasteners and Ergonomic Considerations
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Author

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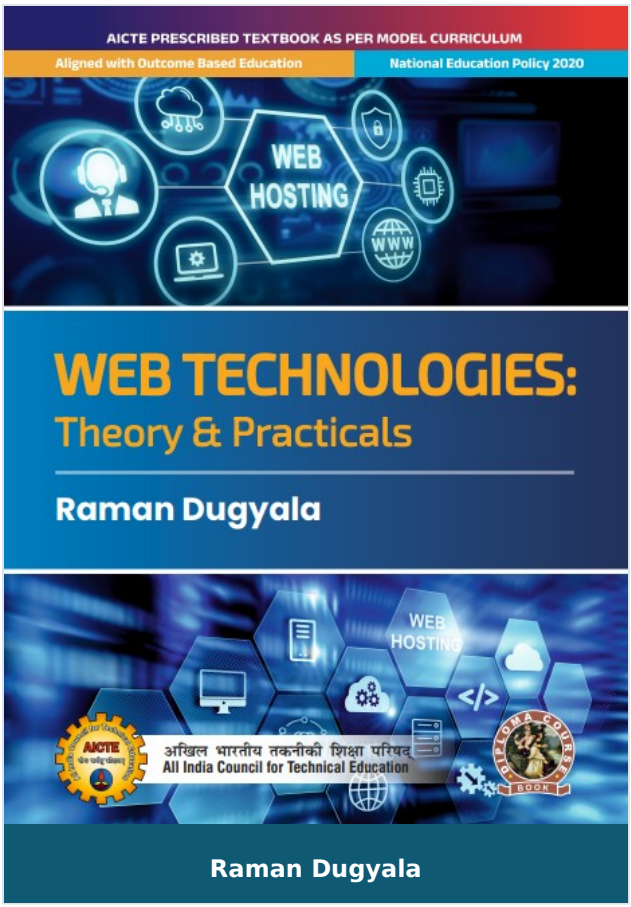

Web Technologies: Theory & Practical

Author :	Raman Dugyala
ISBN 13 :	978-93-55383-05-1
ISBN 10 :	9355383053
E-ISBN 13 :	978-93-55383-05-1
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Pages :	212
Type of book :	Physical
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Language :	English
Publisher :	Khanna Publishing House
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Categories :	AICTE Prescribed Textbooks, English Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Web Technologies: Theory & Practical

Web Technologies: Theory & Practical’s is a textbook specially designed for Diploma students of Computer Science. The book provides a comprehensive coverage of complete range of topics taught in this course. The text is supported by numerous illustrations, examples, program codes, screenshots Divided into Five chapters, the book first introduces the basic concepts such as protocols, Wed programmers, Web development tools, and Web designing. The second chapter focuses on Web systems architecture, Proxies, Load balancers, Caches and Queues. The third chapters deal with java script and DHTML. Advanced scripting objects were discussed in the fourth Part. Chapter five deals with PHP and related concepts. With its clear presentation and inclusion of numerous real-world examples, codes and QR codes the book will be equality useful for web professionals.

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.

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- 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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- Index

Author

Raman Dugyala

Dr. Raman Dugyala Professor, Computer Science Engineering Chaitanya Bharathi Institute of Technology, Gandipet Hyderabad, Telangana - 500075

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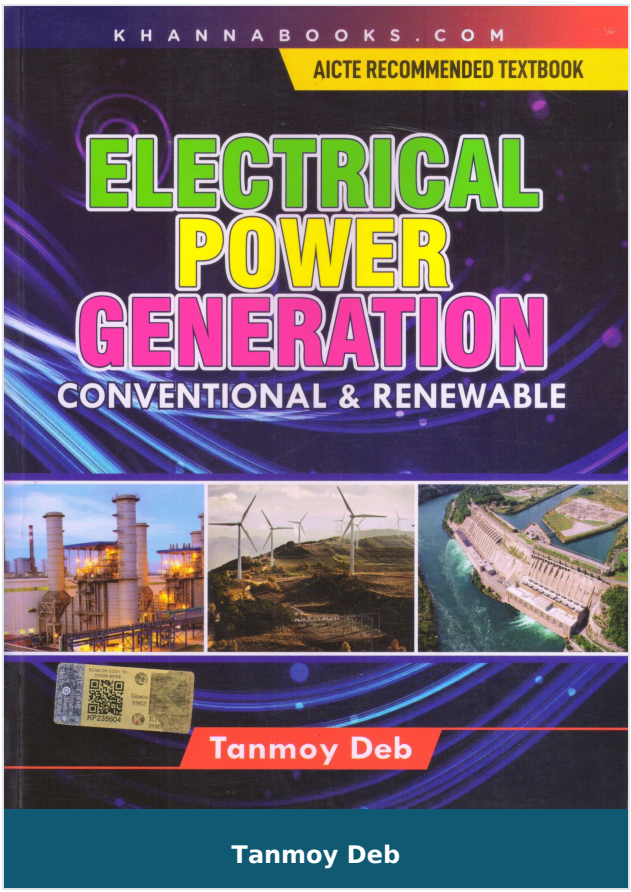

Electrical Power Generation

Author :	Tanmoy Deb
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Condition Type :	New
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Product Description

Electrical Power Generation - Conventional and Renewable is comprehensive textbook meant for B. Tech (Electrical Engineering), B. Tech (Electrical and Electronics), M. Tech(Electrical Engineering) and M. Tech(Mechanical Engineering) students. This book is also useful for students preparing for GATE, AMIE, UPSC(Engineering Services) and IIIE Exams. The book covers complete syllabus prescribed by various universities, Institutes and NIT’s etc. It contains large number of solved numerical problems, flowcharts, diagrams for easy comprehension. Various pedagogical features such as learning objectives ,chapter summary, list of formulae, multiple choice questions, numerical questions and short answer type questions are provided for practice and understanding. It covers syllabus for subjects viz. power station practice, renewable energy resources, energy technology and electrical power generation.

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- Nuclear Power Generation
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- Diesel Based Power Generation
- Solar Thermal and Photovoltaic Power Generation
- Wind Power Generation
- Bio-Mass Power Generation
- Geothermal Power Generation
- Ocean Thermal, Tidal and Wave Power Generation
- Thermal Power Generation
- Thermo-Electric, Thermionic and Small Hydro Power Generation
- Co-ordinated operation of Power Plants
- Electrical Energy Conservation
- Substation
- Annexure-A
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Author

Tanmoy Deb

Dr. Tanmoy Deb had graduated in electrical engineering from NIT, Surat with distinction and gold medal. He did M.Tech (Power Systems and Drives), M.Tech (Control & Instrumentation), MBA and M.Phil (Management). He Was awarded Ph.D in Electrical Engineering by Jamia Islamia (Central University). He has authored three books and 51 research publications. He is member of 12 professional studies and honorary secretary (Delhi Chapter) of Indian Institution of Industrial Engineers (2006-08). He has 30 years of experience in teaching and industry.

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Advanced Robotics Design & Applications

Author :	Sabrie Soloman
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Publisher :	Khanna Publishing House
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Product Description

This book delivers an outline of an introduction to articulated robot mechanisms. Dynamics, and intelligent controls. Applications and exercises are tailored to experience servo-drives implementation. real-time control. Exercises are particularly composed for students to design and fabricate practical working robotic systems in supervised group-setting environments.

* Artificial Intelligence (AI) in Humanoids-for Good not Evil.

* Medical & Surgical Robots.

* Nano Robots (Swarm) in Blood Cells Fighting Cancer.

* Robot in Hazard Environment.

* Military Robot-The Death Machine.

* Galactic Robots-Mars Rovers.

* Enhancing the National Economy of a Nation.

* Robotics World- Championship.

*Robots-Friend of Foe?

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- Advanced Robotic Applications in Manufacturing
- Actuators and Control Systems
- Robot Mechanism
- Geometry of Motion
- Mathematical Differential Motion
- Robotic Force and Moments
- Applied Forces and Energy
- Humanoid Robots- Factory of the Future

Author

Sabrie Soloman

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few. Dr. Soloman holds numerous Patents, Technical Awards, and several US Product Registrations. He is a Fellow of the Society of Manufacturing Engineers. USA. The Royal Society of Manufacturing Engineers (England), and L'Ores Des Ingenieurs Du Quebec (Canada), He received several awards from the American Society of Mechanical Engineers (ASME), the Society of Manufacturing Engineers (SME), and the American Management Association (AMA). Dr. Soloman is considered an international authority on advanced manufacturing technology, robotics, biomedical engineering, pharmaceuticals, and automation in the microelectronic, automotive, beef, pork, poultry industries. He has been and continues to be instrumental in developing and implementing several industrial and modernization programs through the United Nation to European, Asian, and African countries. He is the first to introduce and implement unmanned flexible synchronous/asynchronous manufacturing systems the microelectronic and meat industries, and the first to incorporate advanced vision technology in a wide array of robot/micro-robot manipulators. Dr. Soloman was selected to deliver the US Presidential closing address, "Innovative Remote Sensors Technologies," at the Universal Design Conference, New York, USA

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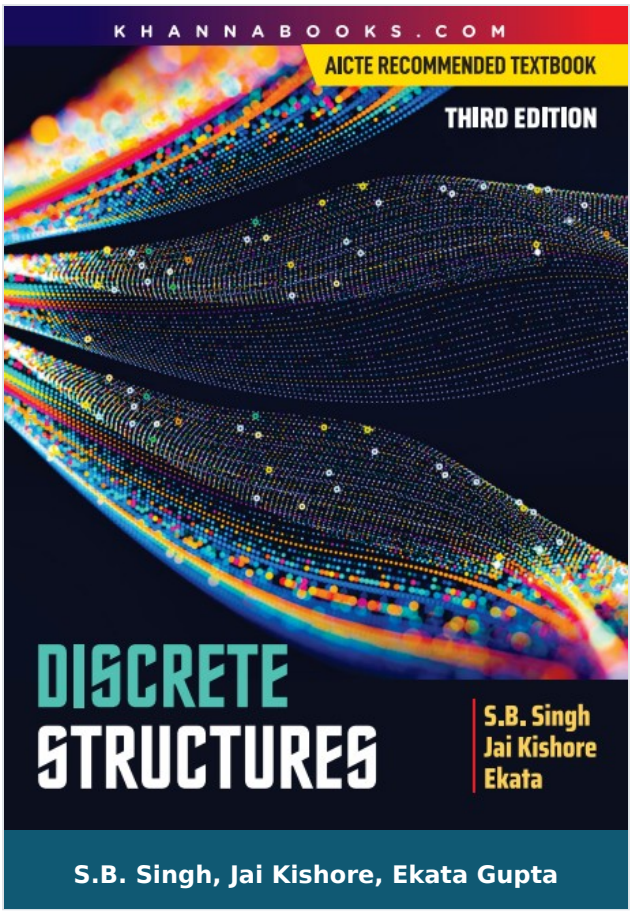

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