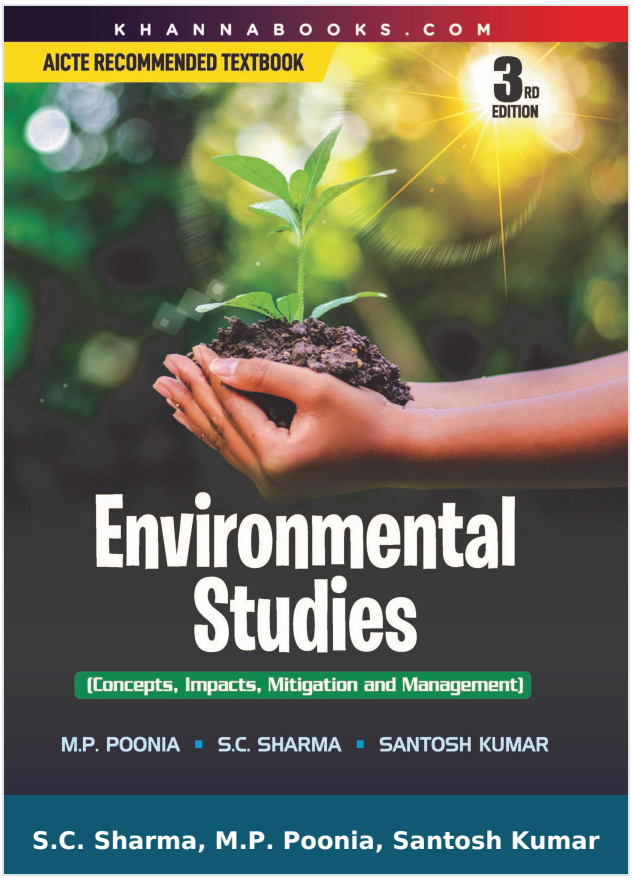


Environmental Studies

Author :	S.C. Sharma, M.P. Poonia, Santosh Kumar
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Product Description

Environmental degradation has been major concern since past few decades, because of economic growth and development across the world has caused major impacts on the Earth's ecosystems and natural resources to an extent that can limit the well-being of future generations.

India has recently started realizing the importance of environmental and the environmental education. Following the 2001 Supreme Court directive, the environmental education has been or is being included in the curriculum right from the school stage to College/University level.

This book covers the syllabi of all Indian Technical Universities and other Universities for different disciplines, may it be in the name of environmental studies, environmental science. ecology or natural resource management. This book is written to bring about an awareness of a variety of environmental concerns and deals form concepts through impacts, mitigation auto management.

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- Mineral Resources
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- Human Population and the Environment
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- Environmental Impact Assessment (EIA)
- Environmental Management and Environmental Management Plan

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- Field Work (Project Work)
- Exercise (Distinguishing, Short Answer Questions, Expansions, Fill in the Blanks, MCQs, True-False)

Author

S.C. Sharma

S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

M.P. Poonia

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata. Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company.

Santosh Kumar

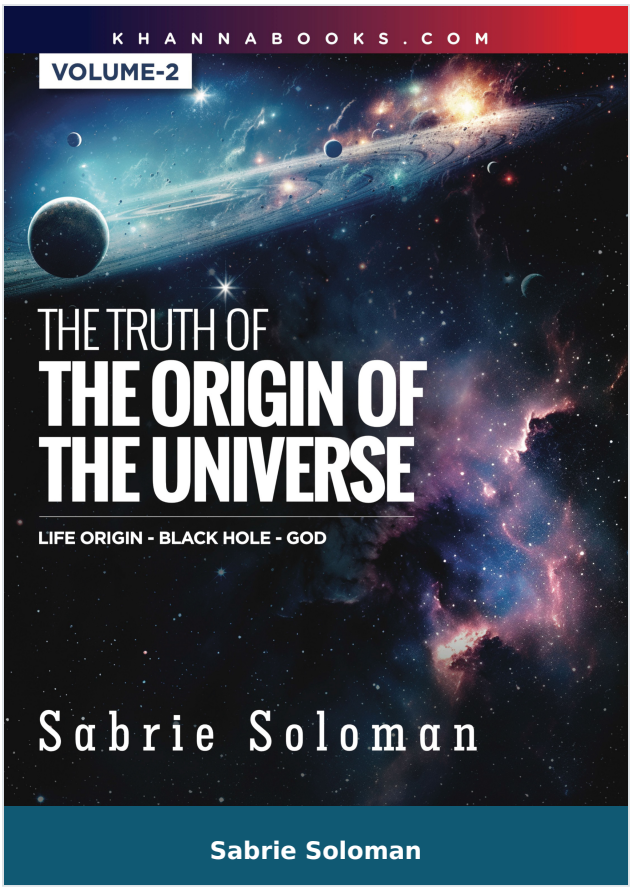
Prof. Santosh Kumar, Former Professor of Civil Engineering at the Bihar College of Engineering/NIT Patna, obtained his Bachelor's degree in Civil Engineering from Regional

Institute of technology/NIT Jamshedpur and Master's degree from University of Roorkee/NIT Roorkee. Further he obtained Dip. H.E. From Delft University, Netherlands. He completed his Ph.D from Patna University. Prof. Kumar taught water resources related subjects for more than 40 years. During his tenure he successfully guided four Ph.Ds. and a record 28 M.Tech dissertations. He also produced more than 50 research papers. Later he also acquired advanced knowledge in Environmental Science. Dr. Kumar was picked up by the World Bank as a consultant to its projects in Bihar at FMISC, where he served for four years. He is a Fellow of Institution of engineers India; Chairman Indian Water Resources Society (Patna Chapter).

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The Truth of The Origin of The Universe (Life Origin - Black Hole- God) Volume-2

Author :	Sabrie Soloman
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Product Description

The Origin of Life: God? - Black Hole? Or Evolution? The origins of life, the mysterious nature of black holes, and the idea of a higher power or God have long fascinated humans. The question of ho life originated on Earth has puzzled scientists for centuries. These topics have sparked numerous debates. Discussions, and theories among theologians, and philosophers alike. We attempt to unravel the mysteries of the universe. We will delve in to the creation, the scientific and the philosophical perspectives on the origins of life, the enigmatic nature of black holes, and the fact of the creator. While each of these subjects is distinct in their own right, there are interesting connections that can be draw among them. Black holes, on the other hand, are some of the most enigmatic objects in the universe. These dense regions of space time have such strong gravitational pulls that not even light can escape them. Scientists have long been intrigued by black holes and continue to study them to unlock their secrets. While black holes are thought to form from the collapse of massive stars, there is still much that remains unknown about these mysterious objects. The existence of God is a topic that has been debates for centuries. The questions of whether a higher power, or deity, exists has divided people for millennia. Some argue that the complexity and beauty of the universe point to an intelligent designer, while other believe that the laws of nature are sufficient to explain the workings of the cosmos. The existence of God is a deeply personal and philosophical questions that continues to captivate believers and skeptics alike.

Chapters Covered in This Book:

1. Intelligent Design in Everyday Reasoning.

2. The Blackhole.

3. The Universe is Finely Tuned for Life.

4. Molecular Intelligent Design.

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5. Our Milky way Galaxy.

6. Devine Design.

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- Molecular Intelligent Design
- The Blackhole
- Our Milky way Galaxy
- The Universe is Finely Tuned for Life
- Devine Design

Author

Sabrie Soloman

Dr. Sabrie Soloman, Ph.D., Sc.D., MBA, PE - He is the Chairman & CEO of American SensoR x, In, USA; Founder of Advanced Manufacturing Post Graduate Studies at Columbia University, USA; Professor of Advanced Technology at Columbia, where he lectures on Sensors & Control Systems in Manufacturing, Affordable Automation, Computer Integrated Manufacturing (CIM), Flexible Manufacturing System (FMS), Design for Manufacturability, Introduction to Electromechanical Engineering, Modern Welding Technology, and 3D Printing/Bioprinting Technology. Dr. Soloman authored numbers of technical books published and translated worldwide: Sensors Handbook (2nd edition), Sensors and Control Systems in Manufacturing (2nd edition), Affordable Automation, Introduction to Electromechanical Engineering, Modern Welding Technology, to name a 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

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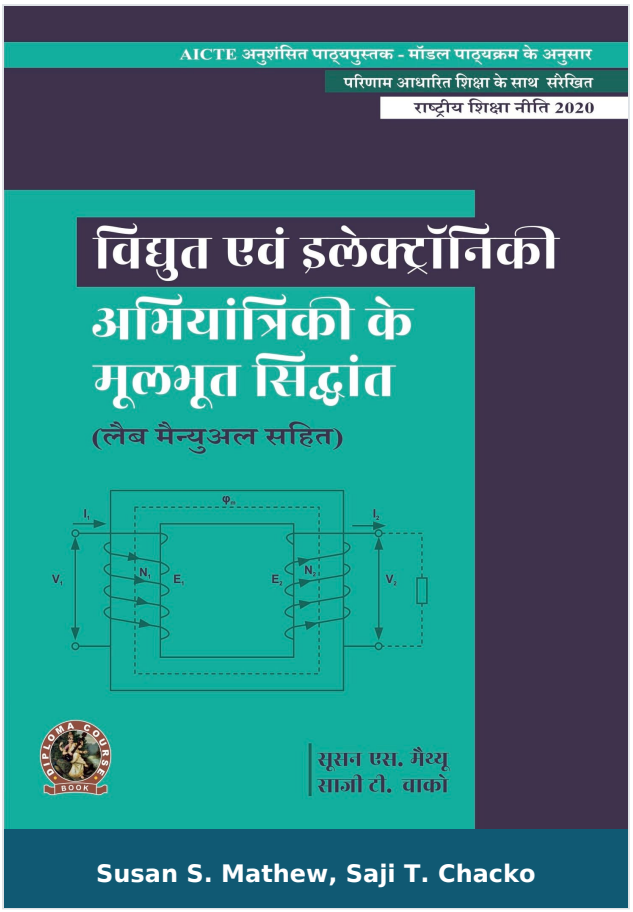
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manufacturing technology, robotics, biomedical engineering, pharmaceuticals, and automation in the microelectronic, automotive, beef, pork, poultry industries. He has been and continues to be instrumental in developing and implementing several industrial 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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Fundamentals of Electrical and Electronics Engineering (with Lab Manual)

Author :	Susan S. Mathew, Saji T. Chacko
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Product Description

“Fundamentals of Electrical & Electronics Engineering” is a compulsory 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.

Books covers six topics- Overview of Electronics Components and Signals. Overview of Analog Circuits. Overview of Digital Electronics, Electric and magnetic Circuits, A.C. Circuits and Transformer and Machines. Each topic is written is easy and lucid manner. A set of exercises at the end of each units to test the student’s comprehension is provided.

Some salient features of the book:

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

2. The practical applications of the topics are discussed along with micro projects and activities for generating further curiosity as well as improving problem solving capacity.

3. Book provides lots of vital facts, concepts, principles and other interesting information.

4. QR Codes of video resources and websites to enhance use of ICT for relevant supportive knowledge have been provided.

5. Student and teacher centric course materials included in book in balanced manner.

6. Figures, tables, equations and comparative charts are inserted to improve clarity of the topics.

7. Objective questions and subjective questions are given for practices of students at the end of each unit.

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

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- Reference for Further Learning
- Co and PO Attainment Table
- Index

Author

Susan S. Mathew

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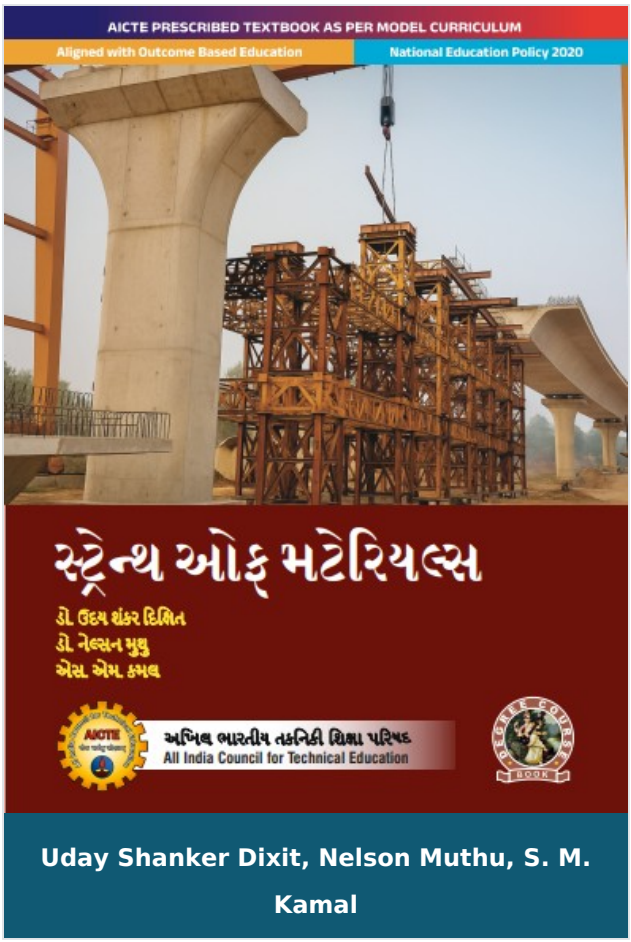
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Strength of Materials

Author :	Uday Shanker Dixit, Nelson Muthu, S. M. Kamal
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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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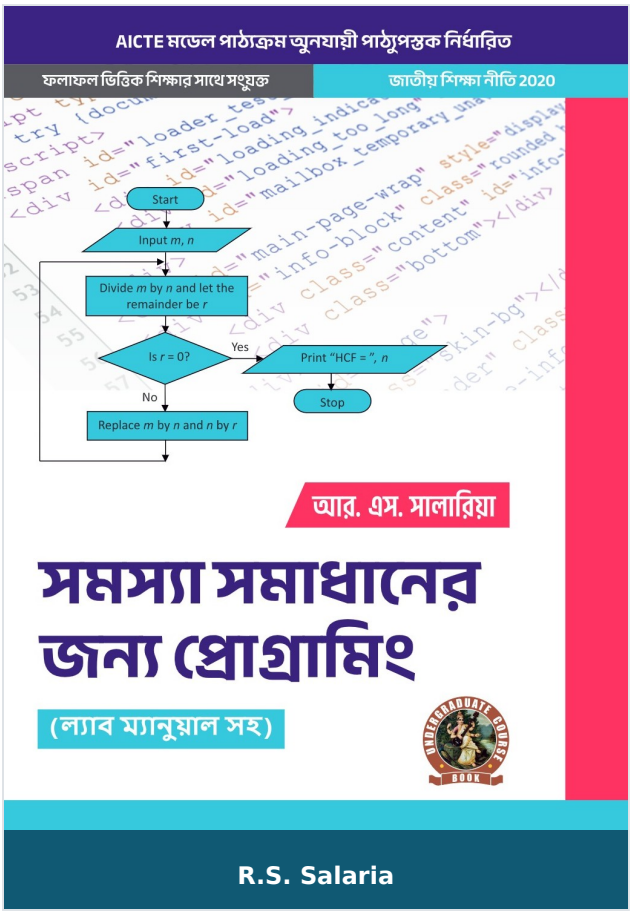
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Programming for Problem Solving (with Lab Manual)

Author :	R.S. Salaria
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Product Description

This textbook is designed as per the model curriculum of AICTE for the first year students of all branches of undergraduate program in Engineering & Technology (BE/B. Tech). The subject of programming for problem Solving aims at developing problem solving skills among the students and the skills to create programs in C language for their implementation. This book emphasizes to empower the students to grasp the skills required for problem solving and to develop deep understanding of the constructs of C language. These aspects of the subject are well illustrated through enormous solved programming problems.

Salient Features:

1. Simple and lucid language that enables students to grasp the subject.
2. Demonstrates the elegant programming style.
3. 165+ ready to run programs for reference and to illustrate the program development process.
4. 135+ Short answer type questions to provide an opportunity for self-assessment of the fundamental concepts learned by answering them precisely.
5. 165+ multiple choice questions to provide an opportunity to synthesize the fundamental concepts.
6. 90+ Programming problems to provide an opportunity to harness programming skills.

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- Basic Algorithms.
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- Recursion.
- Structures.
- Pointers.
- File Handling.
- References for further learning
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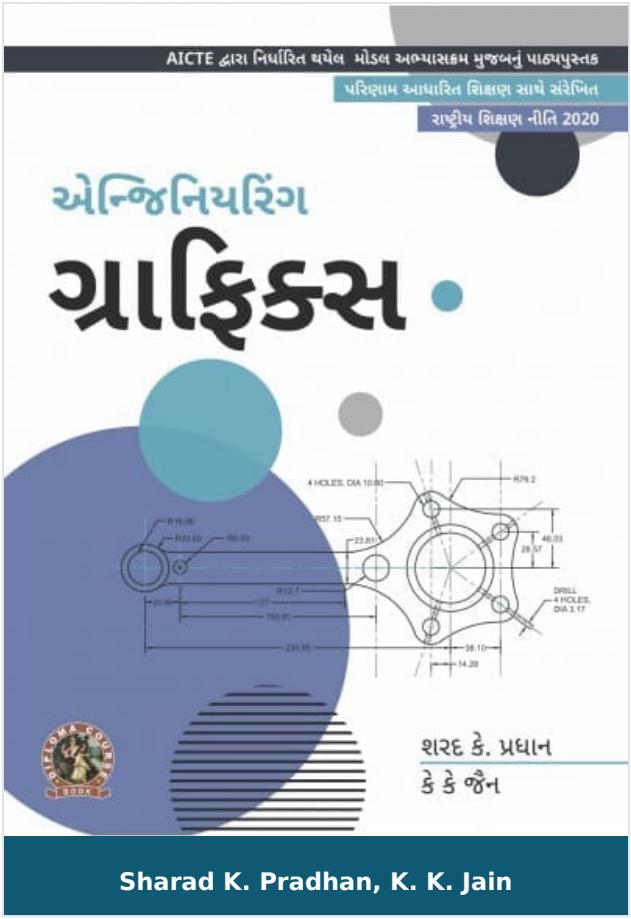
R.S. Salaria

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p

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Sharad K. Pradhan, K. K. Jain

Engineering Graphics

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Product Description

“ Engineering Graphics” is a compulsory 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. Book covers six topics- Basic Elements of drawing , Orthographic Projections, Isometric Projections, Free Hand Sketcher of Engineering Elements, Computer Aided Drafting Interface, Computer Aided Drafting. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student’s comprehension.

Some salient features of the book:

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

2. In start of each unit learning outcomes are listed to make the student understand what is expected out of him/ her after completing that unit.

3. Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc.

4. Student and teacher centric subject materials included in book with balanced and chronological manner.

5. Figures, tables and software screen shots are inserted to improve clarity of the topics.

6. Apart from essential information a ‘Know More’ section is also provided in each unit to extend the learning beyond syllabus.

7. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

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

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- Orthographic Projections
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- Free Hand Sketches of Engineering Elements
- Computer Aided Drafting Interface
- Computer Aided Drafting

Author

Sharad K. Pradhan

Sharad K. Pradhan

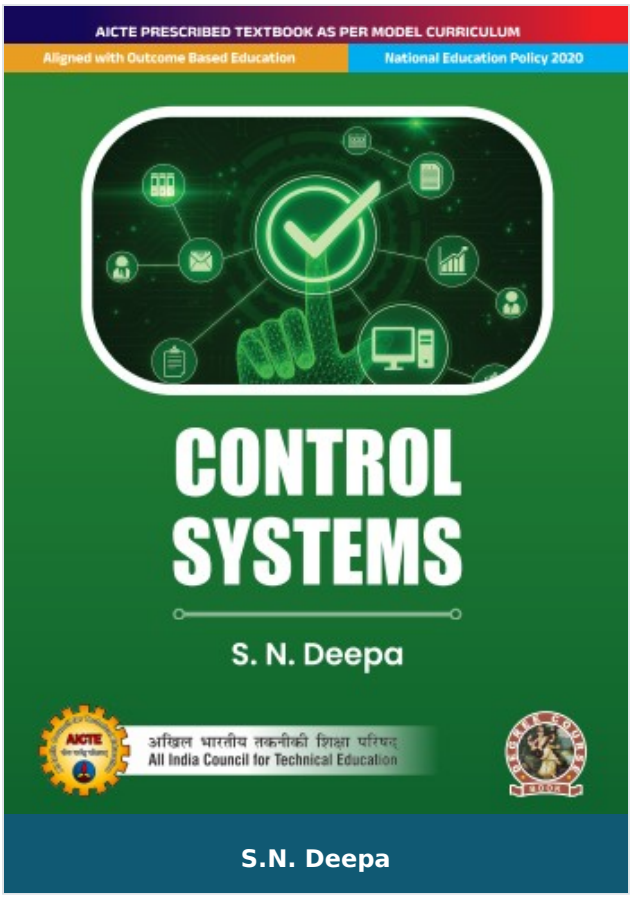
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Control Systems

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Product Description

CONTROL SYSTEMS

CONTROL SYSTEMS is a field that empowers Engineers with Precision and Feedback Intelligence. This textbook offers an in-depth, student-friendly introduction to Control Systems, meticulously designed for fifth-semester undergraduate students of core engineering branches. Drawing from the AICTE’s revised model curriculum, the book presents a balanced fusion of theory and practice. Whether you are just beginning your journey into control engineering or preparing for advanced applications in industry and research, this book provides a structured, clear, and application-oriented learning experience. With a strong emphasis on feedback systems, time and frequency domain analyses, and modern state-space methods, it equips students with the analytical approaches needed to design and evaluate control systems in real-world scenarios.

Salient Features:

- The content of the book is aligned with the mapping of Course Outcomes, Program Outcomes and Unit Outcomes.
- At the beginning of each unit, Unit Outcomes and Unit Specifics are introduced to make the student understand what is expected out of him/her after the completion of the unit.
- Student and teacher-centric course materials are included in the book in a balanced and chronological manner.
- Lots of recent information, interesting facts and quotes, inventors and contributors, historical perspective of the concepts and analogies, QR codes for e-resources are provided in the “Know More” section of the book.
- “Know More” section included in the book extends the learning beyond the syllabus of the course.

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- Figures, tables and necessary diagrams are included to improve the clarity of the topics in the course.
- An overall view of the unit can be attained by the “Unit Summary” provided at the end of each unit.
- Exercise questions which include - multiple-choice questions, short and long answer type questions are included in each unit for practice of the students and to get well-versed on the topics.
- Several numerical examples are included in the book which are solved in a systematic manner and unsolved problems are provided for the students to practice.

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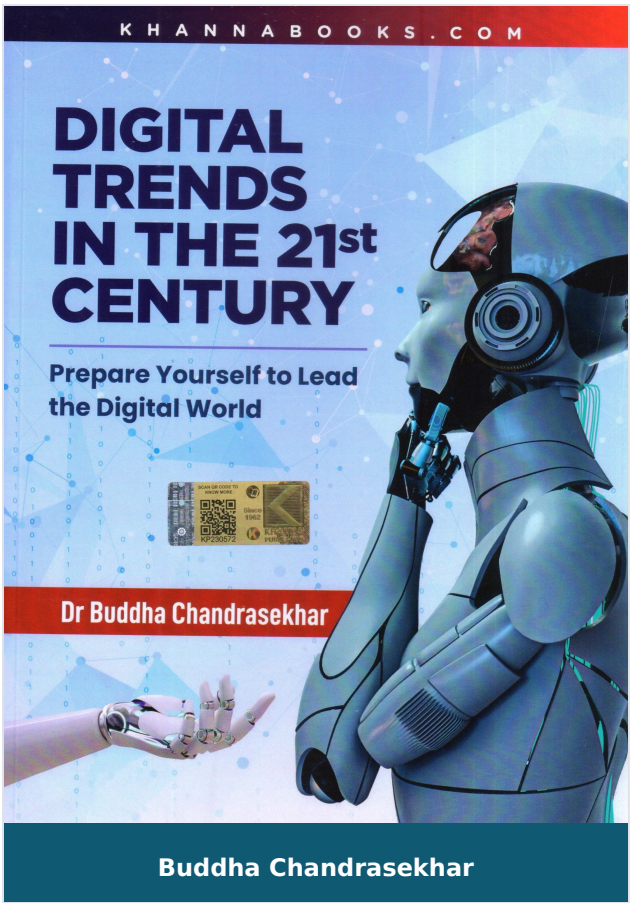
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Digital Trends in The 21st Century

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Product Description

Our world is undergoing a series of digital transformation shifts occurring at an exponential speed. From the moment one Wake Up, to the moment one goes back to Sleep, Technology is present Everywhere.

For the First time in history, we have 4 Generations working side by side in the digital world: Traditionalist, Boomer, Gen X, and Millennial: moving from the "Write to me generation" to the "WhatsApp me generation" to the "Voice search generation" to the "multi-modal prompt based transformers.

Look around, do you see mobiles, laptops, routs, routers, monitors, LED screens, and electronic devices? Over the last 2 decades, we are living in an era of digital technology, Artificial Intelligence, Data analytics, quantum computing has dramatically changed our daily lives & the way we conduct our routine jobs.

Digital transformation is leading to rapid changes across various verticals, from Agriculture to Education to Business to Shopping everything has a profound influence on digital technology.

Digital platforms deliver immense value, enabling us to connect, collaborate and broaden our minds.

Human became " Super Digital Humans" by communicating information in thousand different ways using a digital device that fits in our pocket.

"Digital Trends in the 21st Century" book introduces readers to Digital Trends and Hyper Technology developments to lead the digital world.

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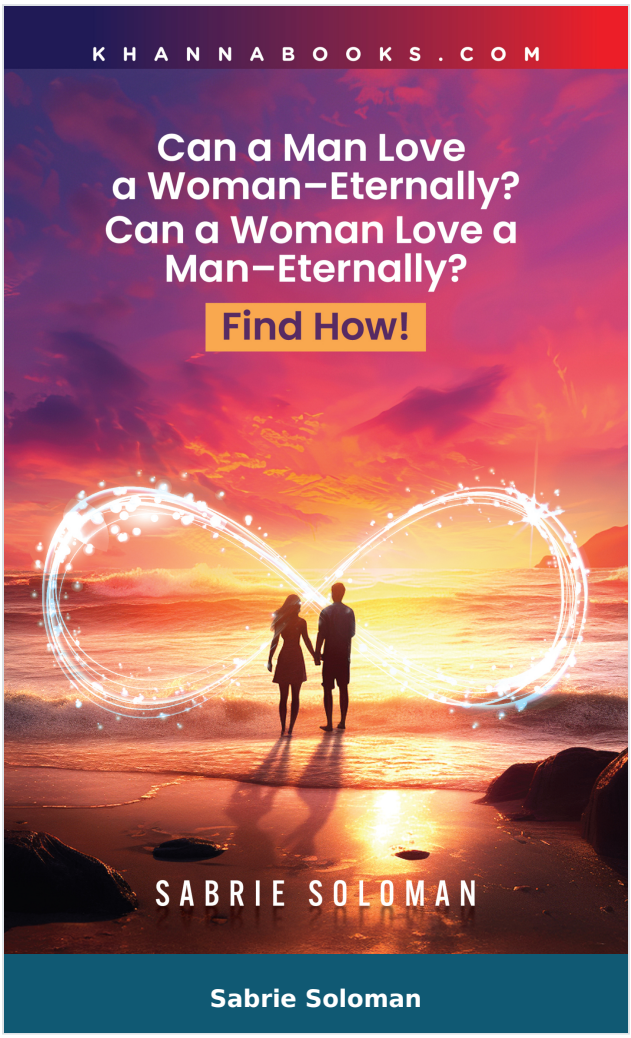
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Can A Man Love a Woman - Eternally? Can a Woman Love a Man - Eternally? Find How

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Product Description

Can a man love a woman – Eternally? Can a women love a men –Eternally? Find How!

This thoughtful book explores the timeless essence of romantic love between man and women through scriptural, moral, and emotional lenses. It highlights the roles of sacrificial love, mutual respect, and personal growth in relationships. Drawing from ancient wisdom and modern insights, it guides couples to nurture enduring, spiritually rooted bonds. This book encourages understanding, commitment, and transformation: making it meaningful companion for anyone seeking a deeper, lasting connection in today’s evolving world.

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Author

Sabrie Soloman

Dr. Sabrie Soloman, Ph.D., Sc.D., MBA, PE - He is the Chairman & CEO of American SensoR x, In, USA; Founder of Advanced Manufacturing Post Graduate Studies at Columbia University, USA; Professor of Advanced Technology at Columbia, where he lectures on Sensors & Control Systems in Manufacturing, Affordable Automation, Computer Integrated Manufacturing (CIM), Flexible Manufacturing System (FMS), Design

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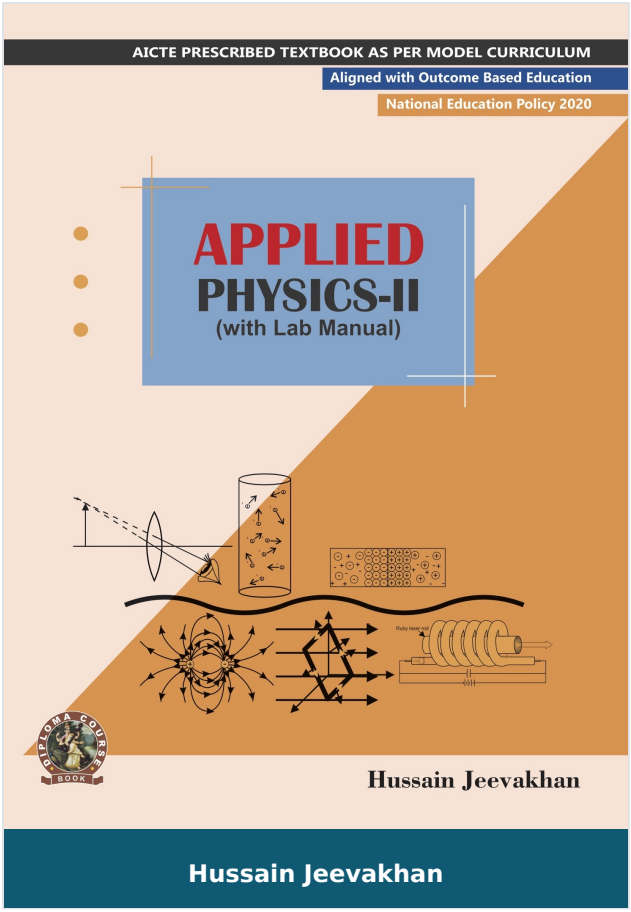
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for Manufacturability, Introduction to Electromechanical Engineering, Modern Welding Technology, and 3D Printing/Bioprinting Technology. Dr. Soloman authored numbers of technical books published and translated worldwide: Sensors Handbook (2nd edition), Sensors and Control Systems in Manufacturing (2nd edition), Affordable Automation, Introduction to Electromechanical Engineering, Modern Welding Technology, to name a 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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Applied Physics II (with Lab Manual)

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Product Description

“Applied Physics-II” is a basic science course in the first year of the Diploma program in Engineering & Technology. Contents of this book are stringently aligned as per model curriculum of AICTE and incorporated with the concepts of outcomes-based education(OBE).

Book covers seven topics- Wave motion, Optics, Electrostatics, Current electricity, Electromagnetism, semiconductor physics and Modern physics. Each topic and its subtopics are written from the perspective of a student’s learning and in accord with the NEP 2020 guidelines. Every unit comprises a set of activities and exercise at the end to assist the student’s learning.

Some salient features of the book:

1. Unit Outcomes of each unit are mapped with Course Outcomes and Programs Outcomes.

2. Book Provides relevant interesting facts, QR Code for E-resources and use of ICT and suggested micro projects activities in each unit.

3. Content presented in book in chronological way.

4. Figures, tables and equations are given to improve clarity of the topics.

5. Solved examples are given with systematic steps.

6. MCQ’s, short and long answer questions and unsolved problems of understanding and above levels (Bloom’s Taxonomy) are given for learning reinforcement of students and as per OBE.

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Author

Hussain Jeevakhan

Hussain Jeevakhan-789391505578(DIP126EN) “Applied Physics-ll” is a basic science course in the first year of the Diploma program in Engineering & Technology. Contents of this book are stringently aligned as per model curriculum of AICTE and incorporated with the concepts of outcomes-based education(OBE). Book covers seven topics- Wave

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