AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education | National Education Policy 2020

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पदार्थ यांत्रिकी तथा परीक्षण

आर. वेलमुरुगन | पी. प्रगति

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अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education

DIPLOMA COURSE BOOK

Mechanics of Materials and their Testing

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Author :	Pragathi
ISBN 13 :	978-93-55385-52-9
ISBN 10 :	93-55385-52-8
E-ISBN 13 :	978-93-55385-52-9
Edition :	First
Pages :	540
Type of book :	Paperback
Year :	2026
Language :	Hindi
Publisher :	Khanna Publishing House
M.R.P :	Rs 695.00
Categories :	AICTE Prescribed Textbooks, Hindi Books
Condition Type :	New
Country Origin :	India

Product Description

Mechanics of Materials and their Testing The book titled "Material Mechanics and Testing" is highly important for students of Mechanical Engineering across various technical boards and universities. This book is especially useful for diploma students working on the design of structures and machine components. The authors have presented the subject matter in simple language, making complex concepts easy to understand. Whether you are a beginner starting your academic journey or an instructor guiding aspiring students, this book aims to be your reliable companion. **Key Features:**

- The content of the book is structured in alignment with Course Outcomes (COs) and Program Outcomes (POs).
- Learning objectives are clearly stated at the beginning of each unit so that students understand what is expected after completing the unit.
- Diagrams, tables, and screenshots are included to improve clarity of concepts.
- At the end of each unit, objective questions with answers are provided for student practice.
- Numerical problems are included in a systematic manner, with both solved and unsolved examples for better understanding.
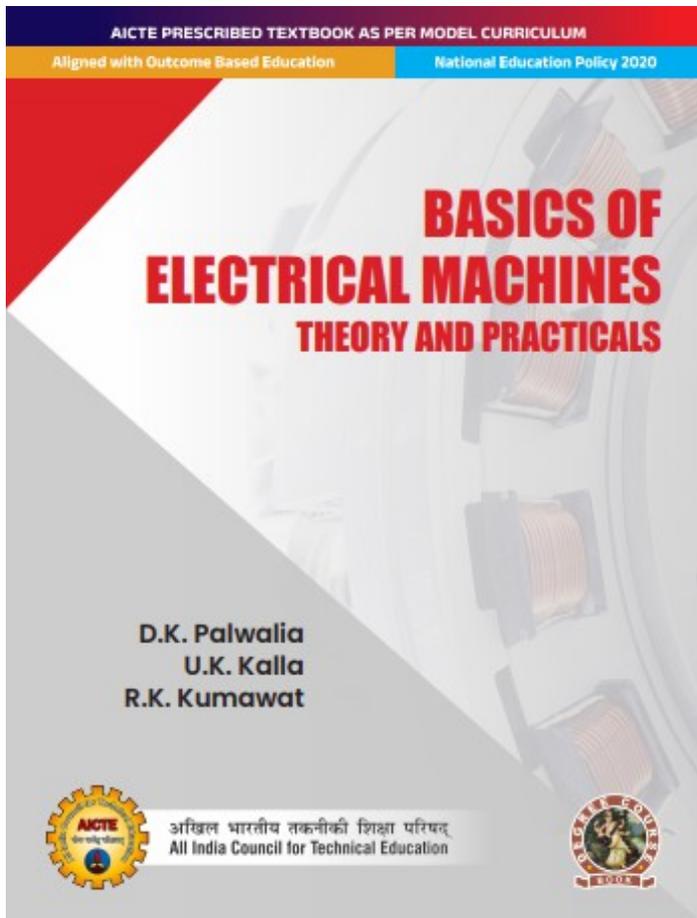
Basics of Electrical Machines: Theory and Practicals

Author :	D. K. Palwalia
ISBN 13 :	978-93-55387-12-7
ISBN 10 :	93-55387-12-1
E-ISBN 13 :	978-93-55387-12-7
Edition :	First
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Type of book :	Paperback
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 798.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Basics of Electrical Machines: Theory and Practicals The Basics of Electrical Machines: Theory and Practical" is a comprehensive guide that provides a solid foundation in the principles and practical applications of electric machines. It covers magnetic circuits, electro-mechanical energy conversion, DC motors and generators, and transformers. By exploring these topics, readers gain insights into the fundamental principles of electric machines and their role in various industries. The book strikes a balance between theory and practice, offering clear explanations, examples, case studies, and problem-solving exercises. It aims to equip readers with a comprehensive understanding of electric machines and bridge the gap between theoretical concepts and their practical applications. 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.
- 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.
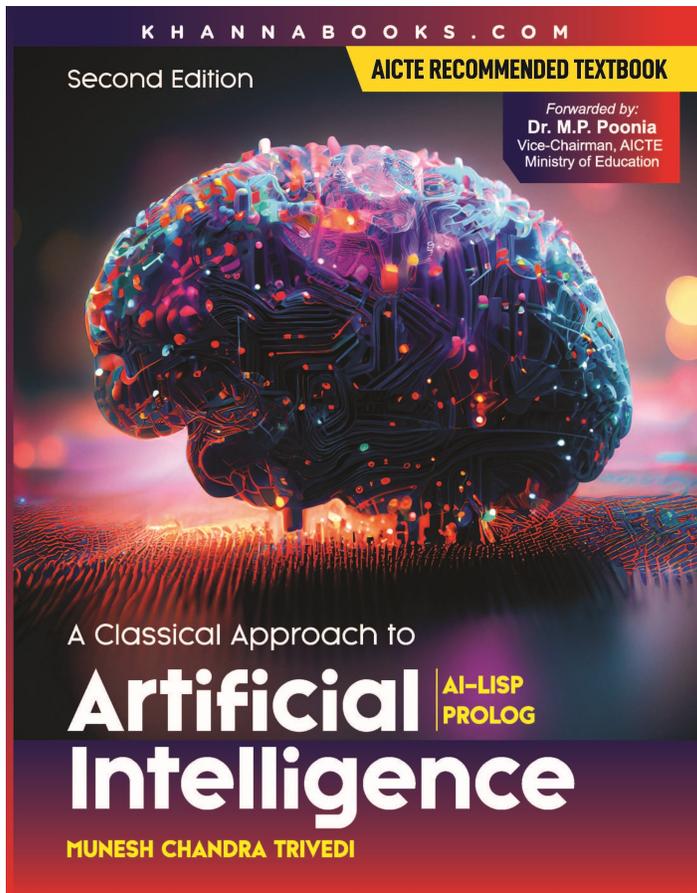
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A Classical Approach to Artificial Intelligence | AICTE Recommended Textbook

Author :	Munesh Chandra Trivedi
ISBN 13 :	978-81-90698-89-4
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Condition Type :	New
Country Origin :	India

Product Description

There are many books available in the market on the proposed topic but none of them can be termed as comprehensive. Besides, students face many problems in understanding the language of this books. Keeping these points in mind, Artificial Intelligence was prepared, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.

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Author

Munesh Chandra Trivedi "Prof. Munesh C. Trivedi has completed his graduation & post graduation in Computer Science and Ph. D. degree in Computer Science. He started his teaching career in engineering education from IEC College of Engineering & Technology, Greater Noida. India. He also served Krishna Institute of Engineering & Technology, Ghaziabad and I.I.T Kanpur as a Project Associate. Presently he is working in Institute of Management Studies, Ghaziabad, India since sept. 2007. He has rich experience in teaching the undergraduate and postgraduate classes. He has published 16 text books and he has been declared Author of Year 2008 as per Books Today survey. He has published more than 25 journal and conference papers in the area of Fractals, image processing, e-learning. He has delivered numerous invited and plenary conference presentations and seminars throught Country and chaired the technical sessions in International and national conferences in India. He has delivered many invited talks in India. He is on the review panel of International Journal of Network Security and Computer & Education (Elsevier's Journal). He has been the member of board of studies of different Indian universities and member of organizing committee for various national and international seminars/workshops. He is member of CSI, IAE, and life member of ISTE."