

Computer Aided Machine Drawing Practice

Author :	Kanak Kalita
ISBN 13 :	978-93-55383-41-9
ISBN 10 :	93-55383-41-X
E-ISBN 13 :	978-93-55383-41-9
Edition :	First
Pages :	308
Type of book :	Paperback
Year :	2026
Language :	Gujarati
Publisher :	Khanna Publishing House
M.R.P :	Rs 468.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books
Condition Type :	New
Country Origin :	India

ડો. કનક લલિતા

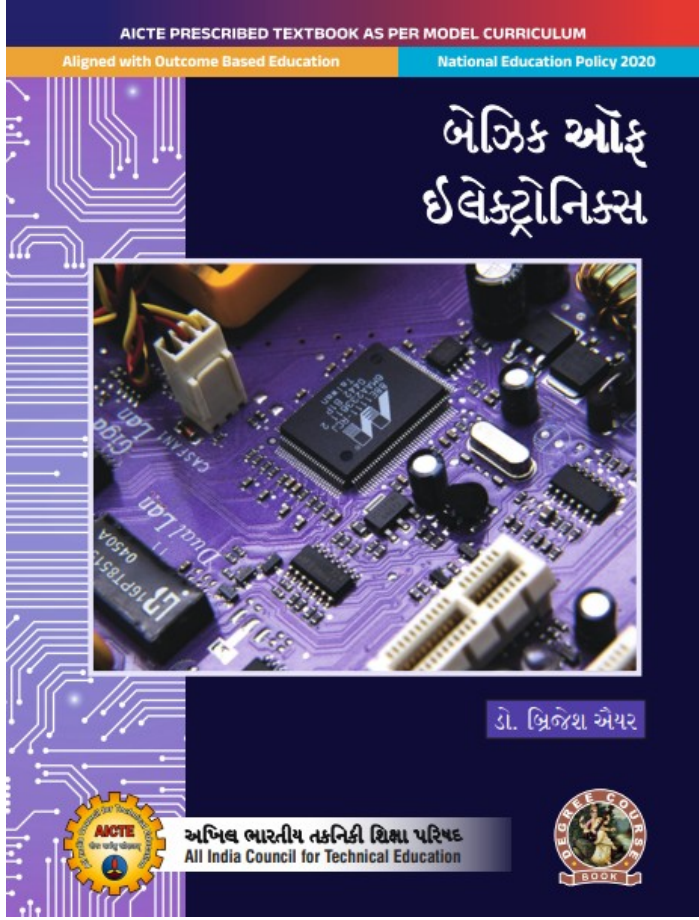


અખિલ ભારતીય તકનિકી શિક્ષા પરિષદ
All India Council for Technical Education



Product Description

Computer Aided Machine Drawing Practice



Basic of Electronics

Author :	Brijesh Iyer
ISBN 13 :	978-93-55385-87-1
ISBN 10 :	93-55385-87-0
E-ISBN 13 :	978-93-55385-87-1
Edition :	First
Pages :	308
Year :	2026
Language :	Gujarati
Publisher :	Khanna Publishing House
M.R.P :	Rs 468.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books
Condition Type :	New
Country Origin :	India

Product Description

Basic of Electronics



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Construction Engineering & Management

Author :	Sparsh Johari
ISBN 13 :	978-93-55385-30-7
ISBN 10 :	93-55385-30-7
E-ISBN 13 :	978-93-55385-30-7
Pages :	308
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 548.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Construction Engineering & Management “Construction Engineering & Management” is a field that encompasses the planning, design, construction, and management of infrastructure projects. This book typically covers various topics relevant to the construction work. It includes introduction to construction materials, methods, and techniques commonly used on construction sites. In addition, concepts such as scheduling, cost estimation, resource allocation, risk management, safe working environment, and quality control are also included. 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.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and photographs are inserted to improve clarity of the topics.
- Question are given for practice of students after every chapter.
- Solved numerical problems are illustrated in the chapters.

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- BASICS OF CONSTRUCTUIN
- CONSTRUCTION PROJECT PLANNING
- CONSTRUCTUIN METHODS BASICS
- CONSTRUCTION EQUIPMENT BASICS
- PLANNING AND ORGANISING CONSTRUCTION SITE AND RESOURCES
- PROJECT MONITORING AND CONTROL
- CONTRACTS MANAGEMENT BASICS
- CONSTRUCTION COSTS

APPENDICES REFERENCES FOR FURTHER LEARNING CO AND PO ATTAINMENT TABLE INDEX



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Author

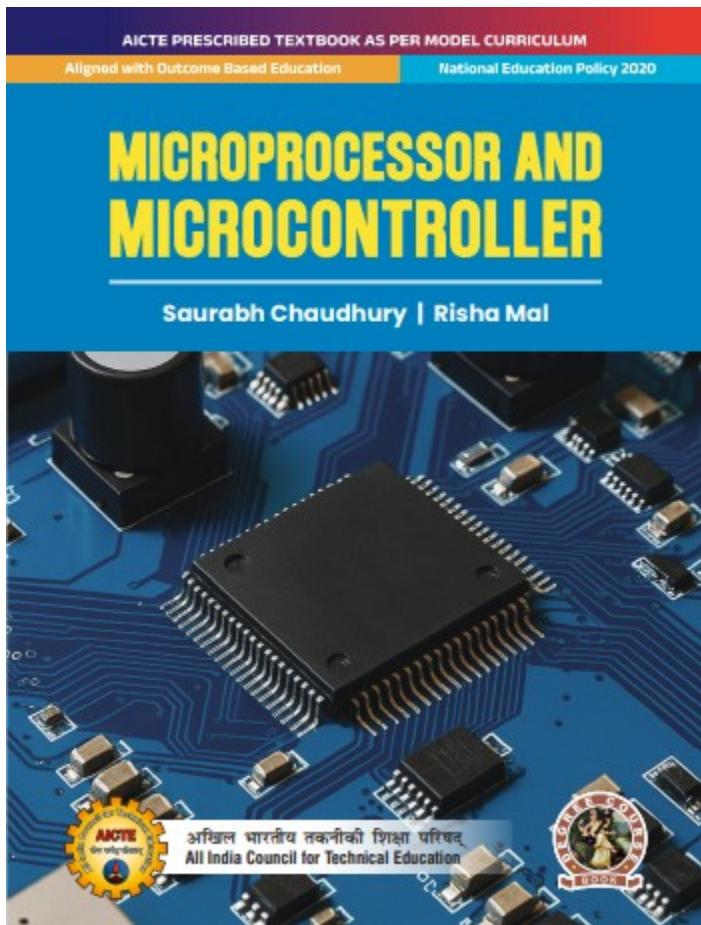
Dr. Sparsh Johari Assistant Professor Department of Civil Engineering, Indian Institute of Technology Guwahati



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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Microprocessor and Microcontroller

Author :	Risha Mal
ISBN 13 :	978-93-55385-11-6
ISBN 10 :	93-55385-11-0
E-ISBN 13 :	978-93-55385-11-6
Edition :	First
Pages :	308
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 548.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

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.
- 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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Foreword Acknowledgement Preface Outcome Based Education Course Outcomes Guidelines for Teachers Guidelines for Students Abbreviations and Symbols List of Figures

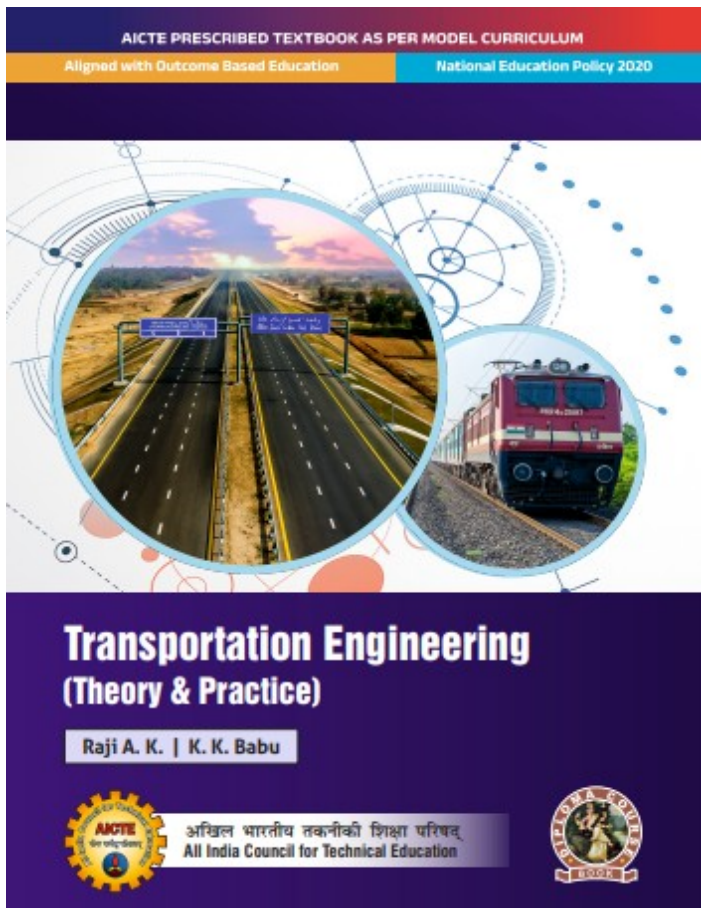
- Fundamentals of microprocessors and microcontrollers
- 8051 microcontroller
- Instruction set and programming
- Memory I/O interfacing
- External communication interface
- Introduction to Advanced professors and concepts

List of Tables Appendices Annexures: CO and PO Attainment Table References for Further Learning Index

Author

Prof. Saurabh Chaudhury Professor, Department of Electrical Engineering, National Institute of Technology, Silchar, Assam **Dr. Risha Mal** Assistant Professor, Department of Electrical Engineering, National Institute of Technology, Silchar, Assam





Transportation Engineering (Theory & Practice)

Author :	A.K. Raji
ISBN 13 :	978-93-55386-77-9
ISBN 10 :	93-55386-77-X
E-ISBN 13 :	978-93-55386-77-9
Edition :	First
Pages :	308
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 548.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Transportation Engineering (Theory & Practice) This book gives a comprehensive coverage of Highway Engineering and Railway Engineering, and is primarily 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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- GEOMETRIC DESIGN OF HIGHWAYS
- CONSTRUCTION OF ROAD PAVEMENTS
- BASICS OF RAILWAY ENGINEERING
- TRACK GEOMETRICS, CONSTRUCTION AND MAINTENANCE

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Author

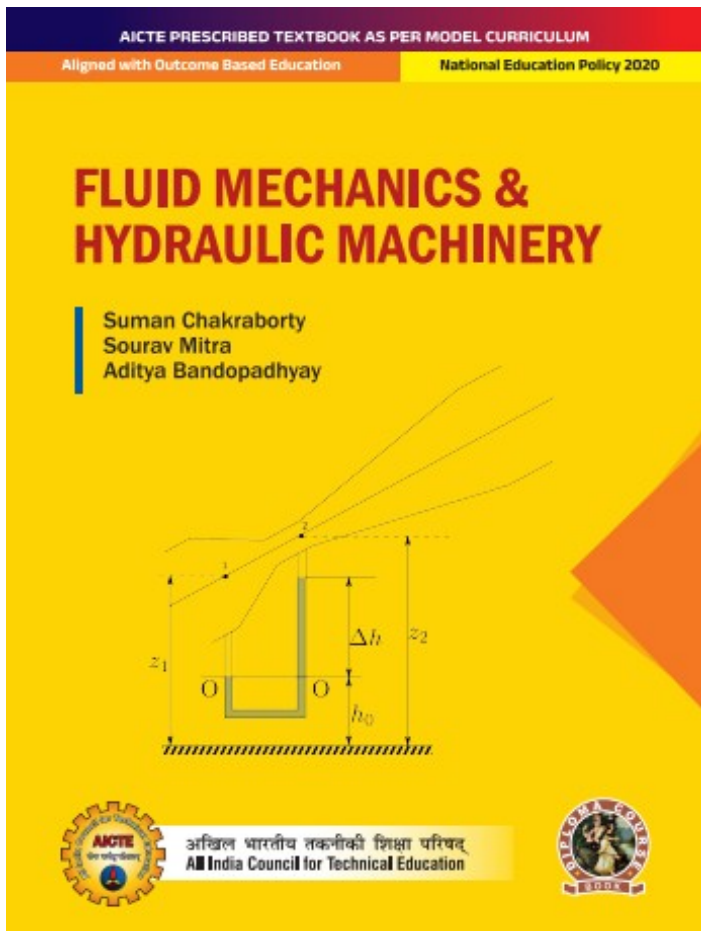
Dr. Raji A. K Professor & Head (Retd.), Dept. of Civil Engineering, NSS College of Engineering, Palakkad - 678 008, Kerala **Dr. K. K. Babu** Professor (Retd.), Dept. of Civil Engineering, NSS College of Engineering, Palakkad - 678 008, & Former Director, Sreepathy Institute of Management and Technology, Palakkad, Kerala



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Fluid Mechanics & Hydraulic Machinery

Author :	Aditya Bandopadhyay
ISBN 13 :	978-93-55389-51-0
ISBN 10 :	93-55389-51-5
E-ISBN 13 :	978-93-55389-51-0
Edition :	First
Pages :	308
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 598.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Fluid Mechanics & Hydraulic Machinery Fluid mechanics & hydraulic machinery is a fundamental course of mechanical and civil engineering. The course introduces the students with the basic principle and governing equation of the fluid mechanics. The primary objective of this book is to ensure that the students develop strong conceptual basic of the fundamental principles of fluid mechanics and hydraulic machinery and cultivate the ability to apply the concepts to solve complex fluid flow problems. Salient features:

- Well-designed content material of the book aligning with the mapping of course outcomes, programs Outcomes and unit outcomes.
- Is 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, historical facts and QR code for E-resources to know more about various fluid mechanics concepts.
- Some practical problems are given at the end of the units for students to learn by implementing the fundamental concepts of fluid mechanics.
- Student and teacher centric subject materials have been included in book with balanced content and in chronological manner.
- Numerous solved examples, laying down the mathematical approach towards solving a fluid mechanics or hydraulics machinery problem have book provided have been provided in every unit for the help of the students.
- Multiple choice questions (MCQs) and unsolved numerical problems with varying levels of difficulty have been included at the end of each unit.



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- Properties of Fluids
- Fluids at Rest
- Fluids Under Motion 1: Kinematics of Flow
- Fluids Under Motion 1: Conservation Laws
- Engineering Applications 1: Flow Through Pipes
- Engineering Application 2: Open Channel Flows
- Fluid Machinery: Turbines
- Fluid Machinery: Pumps

CO and PO Attainments table Index

Author

Prof. Suman Chakraborty Professor, Department of Mechanical Engineering, IIT Kharagpur **Dr. Sourav Mitra** Assistant Professor, Department of Mechanical Engineering, IIT Kharagpur **Dr. Aditya Bandopadhyay** Associate Professor, Department of Mechanical Engineering, IIT Kharagpur





Applied Physics II (with Lab Manual)

Author :	Hussain Jeevakhan
ISBN 13 :	978-93-55380-07-4
ISBN 10 :	93-55380-07-0
E-ISBN 13 :	978-93-55380-07-4
Edition :	1
Pages :	308
Type of book :	Paperback
Weight (g) :	430.00
Year :	2023
Language :	Kannada
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks, Ebooks, <u>Kannada Books</u>
SKU :	1725687978
Condition Type :	New
Country Origin :	India

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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Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and Symbols, List of Figures, Guidelines for Teachers, Guidelines for Students Chapter 1: Wave Motion and its applications. **Chapter 2:** Optics. **Chapter 3:** Electrostatics. **Chapter 4:** Current Electricity. **Chapter 5:** Electromagnetism. **Chapter 6:** Semiconductor physics. **Chapter 7:** Modern physics. **Index**

Author

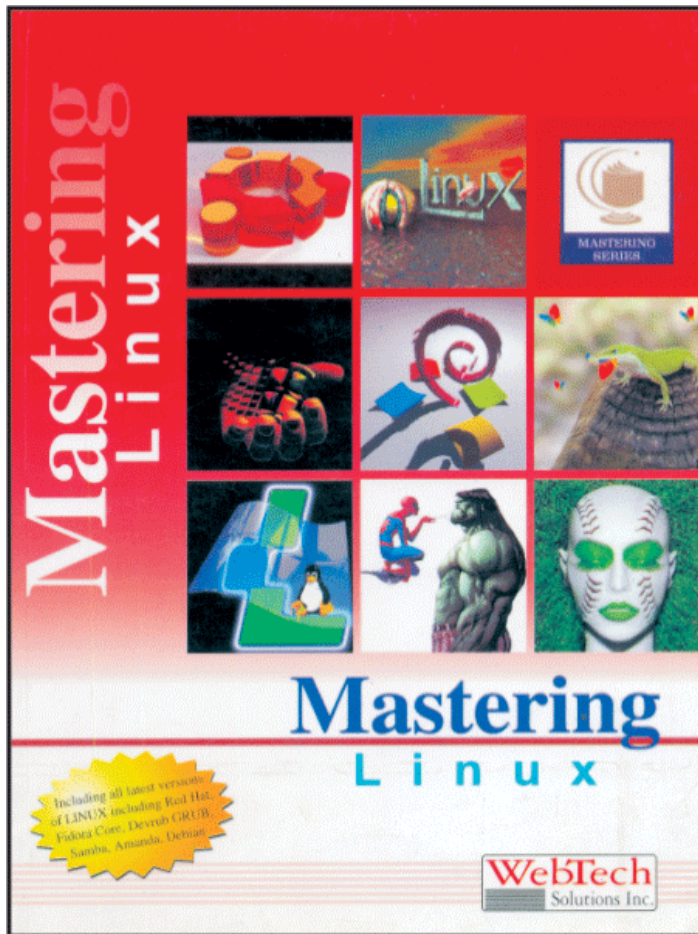
Hussain Jeevakhan



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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Mastering Linux

Author :	WebTech Sol.
ISBN 13 :	978-93-80016-11-5
ISBN 10 :	93-80016-11-5
E-ISBN 13 :	978-93-80016-11-5
Edition :	First
Pages :	308
Type of book :	Paperback
Weight (g) :	420.00
Year :	2009
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	ADVANCE COMPUTER BOOKS, Mastering Series
Condition Type :	New
Country Origin :	India

Product Description

Mastering Linux is a handy book that teaches you inside-out of the operating system called LINUX in the most effective way possible. It provides the reader with the step-by-step use and functionalities of the software for easy and efficient working of it. With information on upgrading, customizing, troubleshooting, and key shortcuts, this book provides the ready reference you need to keep your network working. The book is very useful of the people who desired to get the complete knowledge of all the features, tools, utilities of the operating system Linux.



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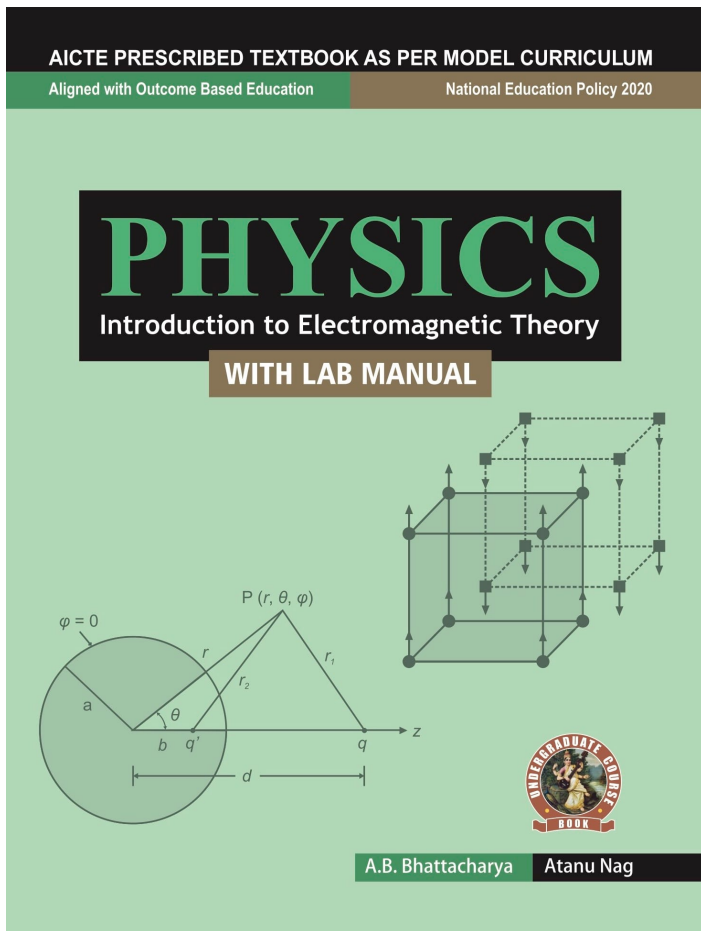
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Chapter 1: Introduction to Open Source and Linux. **Chapter 2:** Pre-Installation. **Chapter 3:** Planning Your Network. **Chapter 4:** Standard Installation. **Chapter 5:** Kick start Installation. **Chapter 6:** Exploring the Desktop. **Chapter 7:** System Startup and Shutdown. **Chapter 8:** Examining File and Configuration Systems. **Chapter 9:** X Windows System. **Chapter 10:** Configuring Printers. **Chapter 11:** TCP/IP Networking. **Chapter 12:** TCP/IP Browsers. **Chapter 13:** The Network File System. **Chapter 14:** The Network Information System. **Chapter 15:** Connecting to Microsoft and Novell Networks. **Chapter 16:** Network Services and Proxies. **Chapter 17:** Web Server, DHCP and DNS. **Chapter 18:** Optimizing Network Services. **Chapter 19:** Mail Server. **Chapter 20:** FTP and Telnet. **Chapter 21:** Optimizing Internet Services. **Chapter 22:** Keeping Your System Updated with up2date. **Chapter 23:** Backing Up and Restoring the File System.

Author

WebTech Sol. WebTech Solutions Inc. is one of the pioneers of the technology industry. Webtech Solution Inc. is a leading IT development company bringing the latest technologies in a short span of time. Its professional research team aims to deliver the latest information on the best ways to analyze, develop, test, debug and tune best development skills including technical coding and theoretical concepts of IT. Its main aim is committed to excellence: excellence in its range and quality of publishing; excellence in dedication to its authors and excellence in the service it provides to the readers.





Physics (Introduction to Electromagnetic Theory) (with Lab Manual)

Author :	A. B. Bhattacharya
ISBN 13 :	978-93-91505-16-5
ISBN 10 :	93-91505-16-3
E-ISBN 13 :	978-93-91505-16-5
Edition :	First
Pages :	308
Type of book :	Paperback
Weight (g) :	430.00
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks, APPLIED SCIENCES & HUMANITIES, Ebooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Engineering Physics: Introduction to Electromagnetic Theory has been written for the first year students of B. Tech Engineering Degree Courses of all Indian Universities following the guideline and syllabus as recommended by AICTE. The book, written in a very simple and lucid way, will be very much helpful to reinforce understanding of different aspects to meet the engineering student's needs. Writing a text-cum manual of this category poses several challenges providing enough content without sacrificing the essentials, highlighting the key features, presenting in a novel format and building informative assessment. This book on engineering physics will prepare students to apply the knowledge of Electromagnetic Theory to tackle 21st century and onward engineering challenges and address the related questions. Some Salient Features of the Book:

- Expose basic science to the engineering students to the fundamentals of physics and to enable them to get an insight of the subject.
- To develop knowledge on critical questions, solved and supplementary problems covering all types of medium and advanced level problems in a very logical and systematic manner.
- Some essential information for the users under the heading "know More" for clarifying some basic information as well as comprehensive synopsis of formulae for a quick revision of the basic principles.
- Constructive manner of presentation so that an Engineering degree students can prepare to work in different sector or in national laboratories at the very forefront of technology.

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Authors

A. B. Bhattacharya Prof. A. B. Bhattacharya, Pro-Vice-Chancellor of JIS University, did his M. Sc. and Ph. D. degree in Physics from the University of Calcutta. He did his Post-doc from the Massachusetts Institute of Technology, USA and subsequently joined in the Department of Physics, Kalyani University. He has published 256 Research papers in high-impact Journals and over 150 proceeding papers in conferences. He has successfully guided 24 scholars for their Ph.D. and has written a large number of invited articles in many Journals. He is the author of 29 textbooks written for engineering and science students and also for general readers from many reputed publishers like Infinity Science Press, Taylor & Francis, etc. International Institute of Success Awareness honored him with their most coveted Institutional and globally reputed “Glory of India Gold Medal” for remarkable contributions to India’s national prestige. He is a Life Fellow of the Institution of Electronics and Telecommunication Engineers.

A. Nag Dr. Atanu Nag did his M. Sc. in 2007 and Ph. D. in 2013 from the University of Kalyani. He has published over 50 Journal papers and 5 books for Science & Engineering students. Presently he is the Head and Associate Professor in the Department of Physics, Modern Institute of Engineering & Technology, Hooghly, West Bengal.

