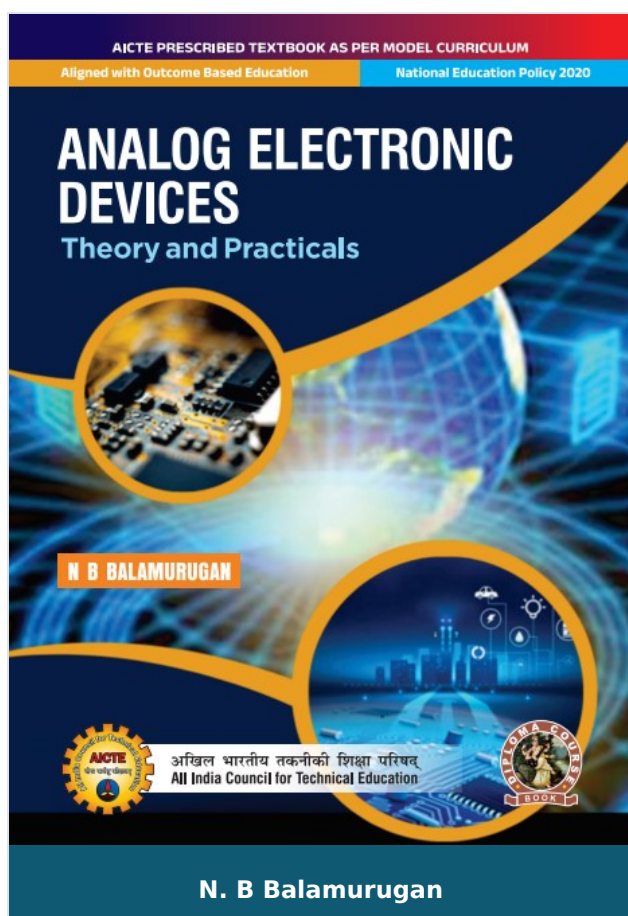




Analog Electronic Devices: Theory and Practicals

Author : N. B Balamurugan

ISBN 13 : 978-93-55383-80-8

ISBN 10 : 9355383800

E-ISBN 13 : 978-93-55383-80-8

Edition : First

Pages : 272

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 498.00

Categories : [English Books](#), [Book Store](#), [AICTE Prescribed Textbooks](#)

Condition Type : New

Country Origin : India

Product Description

Analog Electronic Devices: Theory and Practicals

This book gives detailed description about quantum Mechanics, quantum theory of solids, semiconductor material physics, and semiconductor device physics together. 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 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.

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Semiconductor Physics
- Semiconductor Diodes
- Application of Diode
- Bipolar Junction Transistor
- Field Effect Transistor
- Integrated Circuit Fabrication Process
- Table of Physical Constants
- Index

Author

N. B Balamurugan

Prof. N. B Balamurugan Professor, Department of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai