

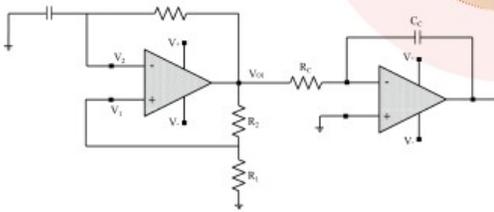
AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education

National Education Policy 2020

ANALOG ELECTRONIC CIRCUITS

Theory and Practicals



Venu Sonti | Sachin Jain



अखिल भारतीय तकनीकी शिक्षा परिषद्
All India Council for Technical Education



Analog Electronic Circuits: Theory and Practicals

Author :	Sachin Jain
ISBN 13 :	978-93-55382-13-9
ISBN 10 :	93-55382-13-8
E-ISBN 13 :	978-93-55382-13-9
Edition :	First
Pages :	286
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

Analog Electronic Circuits: Theory and Practicals Analog electronic serves as the foundational knowledge for understanding the behavior of electronic components, circuits, and systems. This book covers analysis of the analog circuit using basic Electrical circuit theorems. The book covers the required analysis for all the basic electronic devices typically employed in electronic circuits starting from a simple diode to complex op-amps devices. The book also presents the fundamental methods for solving analog circuits using simple circuits analysis techniques. 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

- PN junction diode
- Bipolar junction transistor
- MOSFET
- Power amplifier and differential amplifier
- Operational amplifier
- Linear applications of operational amplifiers
- Nonlinear applications of operational amplifiers

Appendices Index

Author

Dr. Venu Sonti Assistant Professor, Department of Electrical Engineering, National Institute of Technology, Raipur, Chhattisgarh. **Dr. Sachin Jain** Professor, Department of Electrical Engineering, National Institute of Technology, Raipur, Chhattisgarh.

