

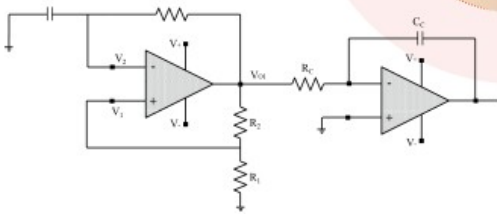
AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education

National Education Policy 2020

ANALOG ELECTRONIC CIRCUITS

Theory and Practicals



Venu Sonti | Sachin Jain



अखिल भारतीय तकनीकी शिक्षा परिषद्
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Analog Electronic Circuits: Theory and Practicals

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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.



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

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Author

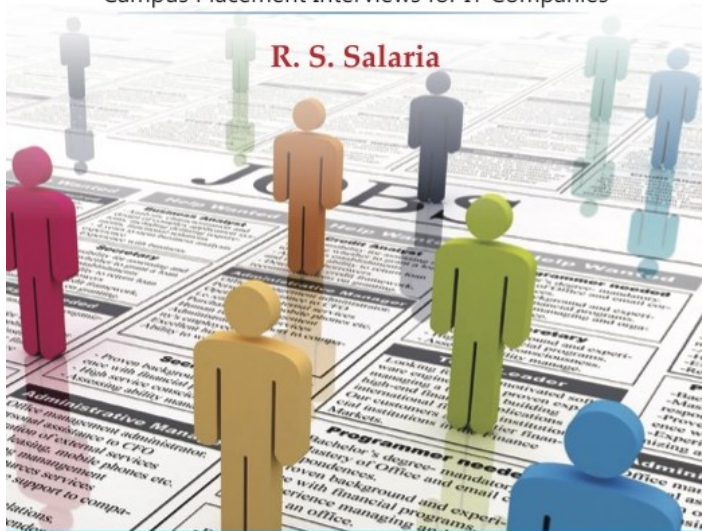
Dr. Venu Sonti Assistant Professor, Department of Electrical Engineering, National Institute of Technology, Raipur, Chhattisgarh. **Dr. Sachin Jain** Professor, Department of Electrical Engineering, National Institute of Technology, Raipur, Chhattisgarh.



CRACKING IT INTERVIEWS

The Most Indispensable Book on
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Empowering Budding IT Professionals to
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Product Description

It is a dream of every budding engineer to make it big in the corporate IT world. This book is designed to guide and empower the budding engineers to achieve their much cherished dream. Since it is the interview process where the employability of the budding engineer is judged, therefore, keeping this aspect in mind, the first chapter is designed to guide the budding engineer to the most basic aspects of the interview process, and how meticulously they should plan and prepare for the interview. Further, majority of the IT companies don't expect that the budding engineers should be well equipped with the advanced techniques/technologies, but must have strong foundation in the basics and concepts of the concerned subjects. In addition, they should be able to demonstrate the burning desire to excel and passion to learn. Keeping these aspects in mind, subsequent six chapters are designed to impart basic knowledge of the important topics through frequently asked questions in each topic. Any budding engineer, who can master about 70-75% questions covered in the book can crack technical round of any IT company with a bang.



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

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Chapter 4: Data Structures and Algorithms.

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Chapter 6: The C++ Language.

Chapter 7: The Java Language.

Author

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.

