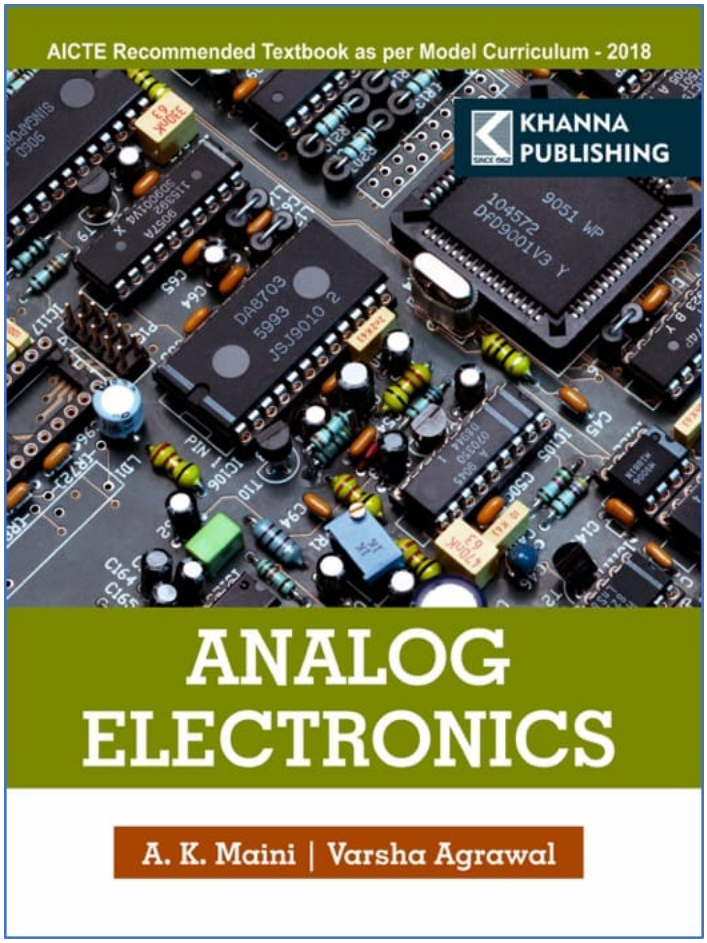

Analog Electronics

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Product Description

Analog Electronics is a complete and yet concise textbook on Analog Electronics covering Semiconductor Devices and associated circuits. Major topics covered in the book include Semiconductor device fundamental, Small signal and Large signal analysis of amplifiers, Low and High frequency response of amplifiers, Sinusoidal and Non-sinusoidal oscillators, feedback amplifiers, Operational amplifiers and application circuits, D/A and A/D converters and finally Switched capacitor circuits. the contents are strictly as per the syllabus as prescribed by AICTE. the book is replete with Solved problems and Self-evaluation exercises including Multiple choice question with answers.

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Chapter 1: Semiconductor Diodes-Fundamentals, Types and Circuits. **Chapter 2:** Bipolar Junction Transistor. **Chapter 3:** Field- Effect Transistors. **Chapter 4:** Small Signal Analysis of Amplifiers. **Chapter 5:** Multistage Amplifiers. **Chapter 6:** Large Signal Amplifiers. **Chapter 7:** Feedback Amplifiers. **Chapter 8:** Oscillators-Sinusoidal and Non-Sinusoidal. **Chapter 9:** Introduction to Operational Amplifiers. **Chapter 10:** Op amp Circuits. **Chapter 11:** Digital-to-Analog and Analog-to-Digital Converters. **Chapter 12:** Switched Capacitor Circuits. **INDEX**

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