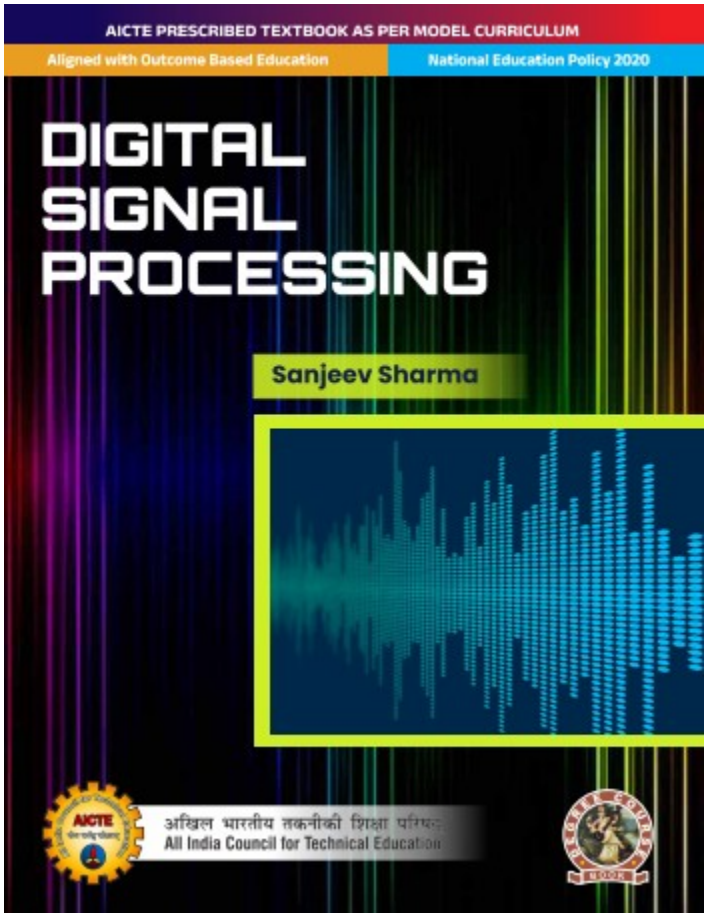

Digital Signal Processing

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Product Description

Digital Signal Processing This book familiarizes students with different domains of electronics communication. The main purpose of this book is to help students and researchers understand the basics of signal processing concepts. The content is aligned with the model curriculum of AICTE and follows the concepts of outcome-based education as per the National Education Policy (NEP)2020. Salient Features:

- The content of the book is aligned with the mapping of Course Outcomes, Program Outcomes, And Unit Outcomes.
- At the beginning of each unit, learning outcomes are listed to help students understand what is expected of them after completing the unit.
- The book provides lots of recent information, QR codes for resources, projects, and more.
- Figures, tables, and software screenshots are included to enhance the clarity of the topics.
- Many solved examples are included in each chapter to improve the numerical solving
- Skills not students.
- Exercises are provided for student practice after every chapter.
- Applications of digital signal processing are included.

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- Discrete-Time Signals and Systems
- Z-Transform
- DTFT: Discrete Time Fourier Transform
- DFT: Discrete Fourier Transform
- FFT: Fast Fourier Transform
- Design of Digital Filters
- Multidate Digital Signal Processing
- Application of Digital Signal Processing

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