

Digital Signal Processing

Fourth Edition

This book is designed to meet the syllabus requirements of the undergraduate course of all the branches of engineering. The treatment of the subject is very much simplified in order to have a through understanding of the subject.

Salient features:

- Covers the entire syllabi of most of the Universities in India, particular focus to **Anna University, University of Kerala, MG University, University of Calicut, CUSAT, JNTU, BPTU, VTU, and UPTU.**
- Most of the topics are written in lucid style with suitable examples and figures.
- Brief introduction to analog signals and systems is given.
- More than **700** examples are worked out and about **300** assignment problems are addressed.
- More than **90** MATLAB program listings are given.
- A Separate **Appendix** is included for **Design Projects.**
- Separate chapters on **Multirate Signal Processing and Statistical Signal Processing** are included.
- A chapter on **Applications of Digital Signal Processing and Digital Signal Processors** are also included.

Dr. P. Ramesh Babu is currently working as Assistant Professor in Pondicherry Engineering College, Pondicherry - 605 014. He graduate in electronics and communication engineering from NBKR Institute of Science and Technology, S.V. University, Tirupati. He secured his M.E. Degree from Madras Institute of Technology, Anna University, Chennai. He obtained his Ph.D from Indian Institute of Technology Madras (IIT-M), Chennai. He is in teaching profession for more than 17 years. He is a life member of ISTE. His main area of interest include Multivariate data analysis, Digital Signal Processing, Control Systems and Microprocessor based system design.



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