

18EC5DCDSP-Digital Signal Processing

MODULE-1

Discrete Fourier Transforms (DFT):DFT as a linear transformation, Relationship of DFT with other transforms. Properties of DFT and Numerical Examples. Linear filtering using DFT:Use of DFT in linear filtering. - Text book1

TEXT BOOKS:

- 1.Proakis&Manolakis, "Digital signal processing Principles Algorithms & Applications", *Pearson education*, 4th Edition, New Delhi, 2007.
- 2.A. Nagoorkani, "Digital Signal Processing", Tata McGraw Hill, 2ndEdn., New Delhi, 2012.
- $3. Rulph Chassaing\,,\, "Digital Signal Processing and Applications with the C6713\ and\ C6416\ DSK", John Wiley\,\&\, Sons, Inc.,\, Publication, 2005$
- 4.Li Tan, "Digital Signal Processing", Academic Press, Elsevier, 2007.

REFERENCES BOOKS:

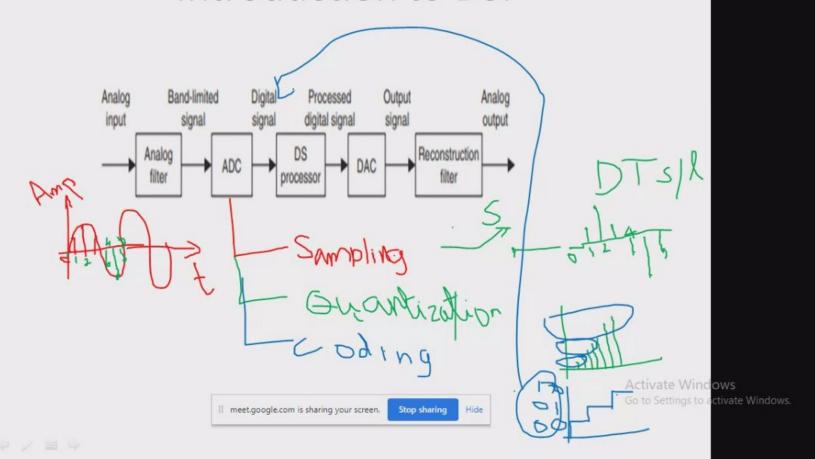
- 1. Oppenheim & Schaffer, "Discrete Time Signal Processing", PHI, 2003.
- 2. Sanjith K. Mitra, "Digital Signal Processing", Tata Mc-Graw Hill, New Delhi, India, 3rd Edition, 2010.
- 3.Dimitris G. Manolakis, Vinay K. Ingle, "Applied DSP theory and Practice", Cambridge University

 Press, USA, 2011.

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- E.C. Ifeachor, and B. W. Ja sapproach", Second Edition, Pearson Education, India, 2002.

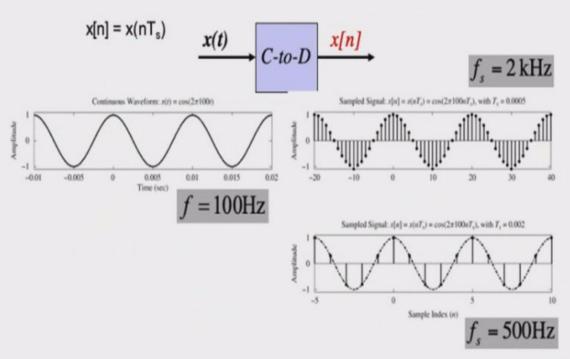


Introduction to DSP





Introduction contd...



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