Mindluster Platform

# About the course Pulse Code Modulation

Pulse Code Modulation course in hindi, In this course explore the conversion of analog signals into precise digital representations through sampling and encoding.

**Computer Science Category's Courses**

# Course Lesson(38)

Lesson 1 :
**Sampling Theory basics response and derivations in Digital Communication by Engineering Funda**

Lesson 2 : **Aliasing or Effect of Under Sampling in Digital Communication by Engineering Funda**

Lesson 3 :
**Examples on Nyquist rate and Sampling Theory in Digital Communication by Engineering Funda**

Lesson 4 :
**Instantaneous Sampling or Ideal Sampling or Impulse Sampling in Digital Communication**

Lesson 5 :
**Natural Sampling Basics Working and waveforms in Digital Communication by Engineering Funda**

Lesson 6 :
**Flat Top Sampling or PAM Pulse Amplitude Modulation in Digital Communication by Engineering Funda**

Lesson 7 :
**Performance comparison of sampling techniques in digital communication by engineering funda**

Lesson 8 :
**PWM Pulse Width Modulation basics Circuit working Waveforms in Digital Communication**

Lesson 9 :
**PPM Pulse Position Modulation basics Circuit working Waveforms in Digital Communication**

Lesson 10 :
**Performance Comparison of PAM PWM and PPM in Digital Communication by Engineering Funda**

Lesson 11 :
**Formulas and basic understanding of quantization in digital communication by engineering funda**

Lesson 12 : **Dynamic range of Quantization in digital communication by engineering funda**

Lesson 13 :
**SNR Signal to Noise Ratio of Quantization in Digital Communication by Engineering Funda**

Lesson 14 :
**Uniform quantization Midtread and Midriser in Digital communication by Engineering Funda**

Lesson 15 :

**Examples of Quantization and Calculation of Parameters based on Quantization in Digital Communicatio**

Lesson 16 : **Pulse Code Modulation PCM in Digital communication by Engineering Funda**

Lesson 17 :
**PCM Receiver or Pulse Code Modulation Receiver in Digital communication by Engineering Funda**

Lesson 18 :
**Quantization Noise and SQNR for Sinusoidal and Nonsinusoidal signal in Digital Communication**

Lesson 19 :
**PCM Examples Pulse Code Modulation Examples in Digital Communication by Engineering Funda**

Lesson 20 :
**PCM Examples Pulse Code Modulation Examples in Digital Communication by Engineering Funda**

Lesson 21 :
**PCM Examples Pulse Code Modulation Examples in Digital Communication by Engineering Funda**

Lesson 22 : **Non uniform Quantization in Digital Communication by Engineering Funda**

Lesson 23 :
**Companding basics block Diagram working in Digital Communication by Engineering Funda**

Lesson 24 :
**Î¼ law companding in Non uniform Quantization in Digital Communication by Engineering Funda**

Lesson 25 :
**A law companding in Non uniform Quantization in Digital Communication by Engineering Funda**

Lesson 26 : **Data rate of PCM in India and USA in Digital Communication by Engineering Funda**

Lesson 27 :
**Basics and Advantages of DPCM Differential Pulse Code Modulation in Digital Communication**

Lesson 28 :
**DPCM Encoder and DPCM Decoder or Differential Pulse Code Modulation Encoder Decoder**

Lesson 29 :
**Example of DPCM Differential Pulse Code Modulation in Digital Communication by Engineering Fund**

Lesson 30 :
**Example Based on DPCM using Mid riser Quantizer in Digital Communication by Engineering Funda**

Lesson 31 :
**SQNR of DPCM Differential Pulse Code Modulation in Digital Communication by Engineering Funda**

Lesson 32 :
**Delta Modulation Basics Block Diagram and Waveforms in Digital Communication by Engineering Funda**

Lesson 33 :
**Delta Modulation Receiver or DM Receiver in Digital Communication by Engineering Funda**

Lesson 34 :
**Problems associated with Delta Modulation in Digital Communication by Engineering Funda**

Lesson 35 :
**SQNR of Delta Modulation System or SNR of Delta Modulation System in Digital Communication**

Lesson 36 :
**Examples on Delta Modulation or Examples on DM in Digital Communication by Engineering Funda**

Lesson 37 :
**Examples on Delta Modulation or Examples on DM in Digital Communication by Engineering Funda**

Lesson 38 : **Adaptive Delta Modulation basics working Block Diagram in Digital Communication**

# Related courses

**Linear Algebra for Computer Scientists**

**Insertion Sort**

**Bubble Sort**

**GCSE Computer Science**

**Random Access Memory**

**Binary Trees**

for Business Contact
business@mindluster.com