NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electrical Engineering - NOC:Op-Amp Practical Applications: Design, Simulation and Imple Subject Co-ordinator - Prof. Hardik Jeetendra Pandya Co-ordinating Institute - IISc - Bangalore Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable Lecture 1 - Introduction/Summary on Op-amps Lecture 2 - Introduction/Summary on Op-amps (Continued...) Lecture 3 - Introduction/Summary on Op-amps (Continued...) Lecture 4 - Effect of Loading and Input Impedance - Part 1 Lecture 5 - Effect of Loading and Input Impedance - Part 2 Lecture 6 - Effect of Loading and Input Impedance - Part 3 Lecture 7 - Effect of Loading and Input Impedance - Part 4 Lecture 8 - Introduction to an Analog Circuit Development Board (TI ASLK Pro) Lecture 9 - Op-amp Applications Lecture 10 - Op-amp Applications Lecture 11 - Op-amp Applications Lecture 12 - Op-amp Circuits using Diodes Lecture 13 - Understanding the Range of Feedback Amplifiers Lecture 14 - Op-amps as Phase Shift Oscillator Lecture 15 - Op-amp as Wein Bridge Oscillator Lecture 16 - Op-amp as Hartley Oscillator Lecture 17 - Op-amp as Colpitts Oscillator Lecture 18 - Op-amps as Comparator Lecture 19 - Op-amp with Positive Feedback Lecture 20 - Op-amp with Positive Feedback Lecture 21 - Op-amp with Positive Feedback Lecture 22 - Op-amp with Positive Feedback Lecture 23 - Op-amp based Voltage Controlled Current Source Lecture 24 - Measure of Unknown Resistance by Constant Current Drive Circuit Implemented using Op-amp Lecture 25 - Design and Development of Temperature Controlled Circuit using Op-amp as ON-OFF, Proportional ar Lecture 26 - Implemetation of Error Detector Cirucit and Signal Conditioning Circuit for Temperature Control Lecture 27 - Implementation of Plant/Heating Circuit and ON-OFF Controller Lecture 28 - Implementation of P and PI Controllers Lecture 29 - Experiment on Controlling the Temperature on the Plant using different Controllers

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

Lecture 30 - Experiment Lecture 31 - Introduction to ECG Experiment Lecture 32 - Desing and Implementation of ECG Preprocessing Stage - Part 1 Lecture 33 - Desing and Implementation of ECG Preprocessing Stage - Part 2 Lecture 34 - Desing and Implementation of ECG Preprocessing Stage - Part 3 Lecture 35 - Desing and Implementation of ECG Preprocessing Stage - Part 4 Lecture 36 - Desing and Implementation of Peak Detetor and Thresholding Circuit for ECG Signal Conditioning Lecture 37 - Live Demonstration on ECG Signal Acquistion, Conditioning and Measurement of BPM Lecture 38 - Understanding Analog Multipliers using Development Board Lecture 39 - Application Lecture 40 - Introdution to Data-Acquisition Lecture 41 - Analog to Digital Conversion Circuits and Experiment on 2-bit Flash Type ADC Lecture 42 - Digital to Analog Conversion Circuits and Experiment on 4-bit R-2R DAC Lecture 43 - DAC Basics using Development Board - Introduction Lecture 44 - Understanding DAC 7821 Datasheet Lecture 45 - Basic DAC Experiment on Variable Gain Amplifier Lecture 46 - Understanding DAC Lecture 47 - Introduction to CDAQ (Compact DAQ) Lecture 48 - Software-in-Loop based Temperature Controller using CDAO and LabVIEW