

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

NPTEL Video Course - Electronics and Communication Engineering - NOC:Communication Networks

Subject Co-ordinator - Prof. Goutam Das

Co-ordinating Institute - IIT - Kharagpur

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Communication Networks
Lecture 2 - Introduction to Communication Networks (Continued...)
Lecture 3 - Introduction to Communication Networks (Continued...)
Lecture 4 - Circuit Switch Networks
Lecture 5 - Space switch Architecture
Lecture 6 - Space switch Architecture (Continued...)
Lecture 7 - Space Switch Architecture (Continued...)
Lecture 8 - Space Switch Architecture (Continued...)
Lecture 9 - Space Switch Architecture (Continued...)
Lecture 10 - Time Switch
Lecture 11 - Space Time Switch
Lecture 12 - Space Time Switch (Continued...)
Lecture 13 - Synchronisation
Lecture 14 - Synchronisation (Continued...)
Lecture 15 - Introduction to Queuing Theory
Lecture 16 - Arrival and Service Process
Lecture 17 - Poisson Process
Lecture 18 - poisson process (Continued...)
Lecture 19 - Memorylessness
Lecture 20 - Little's Theorem
Lecture 21 - Little's Theorem (Continued...)
Lecture 22 - D T M C
Lecture 23 - D T M C (Continued...)
Lecture 24 - D T M C To C T M C
Lecture 25 - C T M C
Lecture 26 - M/M/1 Queue
Lecture 27 - M/M/m And M/M/m/m System
Lecture 28 - Introduction to Data Networks
Lecture 29 - Introduction to Data Networks (Continued...)

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- Lecture 30 - Introduction to Data Networks (Continued...)
- Lecture 31 - Layered Architecture
- Lecture 32 - Layered Architecture (Continued...)
- Lecture 33 - Broadband Access - Dail Up/ADSL
- Lecture 34 - Broadband Access - DSL, Aloha
- Lecture 35 - Aloha/Slotted Aloha
- Lecture 36 - Slotted Aloha
- Lecture 37 - Slotted Aloha (Continued...)
- Lecture 38 - Slotted Aloha- Stability Analysis
- Lecture 39 - Slotted Aloha- Stability Analysis (Continued...)
- Lecture 40 - Stabilized Slotted Aloha-bayesian Estimation
- Lecture 41 - Binary Back- off Algorithm
- Lecture 42 - Effect of Physical Media
- Lecture 43 - PON and Ethernet MAC
- Lecture 44 - PON and Ethernet MAC (Continued...)
- Lecture 45 - CSMA/CD
- Lecture 46 - CSMA/CA
- Lecture 47 - CSMA/CA (Continued...)
- Lecture 48 - CSMA/CA (Continued...)
- Lecture 49 - CSMA/CA (Continued...)
- Lecture 50 - Learning Bridges
- Lecture 51 - Learning Bridges (Continued...)
- Lecture 52 - Distributed Spanning Tree
- Lecture 53 - Distributed Spanning Tree (Continued...)
- Lecture 54 - Internet Protocol
- Lecture 55 - Internet Protocol (Continued...)
- Lecture 56 - Subnet and ARP
- Lecture 57 - ARP and DHCP
- Lecture 58 - DHCP and Routing