Mindluster Platform

About the course Computer Network Techniques

Computer Network Techniques course in hindi, This course covers advanced methods and strategies for optimizing, securing, and managing computer networks effectively.

Computer Science Category's Courses

Course Lesson(136)

Lesson 1 : **Computer Network by Engineering Funda**

Lesson 2 : **Introduction to Computer Network**

Lesson 3 : **Computer Network Basics**

Lesson 4 : **Types of Data Communication in Computer Network**

Lesson 5 : **Types of Casting in Computer Network**

Lesson 6 : **Peer to Peer Network Vs Client Server Network**

Lesson 7 : **Types of Computer Network**

Lesson 8 : **Topologies of Computer Network**

Lesson 9 : **Hybrid Topology of Computer Network**

Lesson 10 : **Basics of OSI Model in Computer Network**

Lesson 11 : **OSI Model Open System Interconnection Model in Computer Network**

Lesson 12 : **Comparison of TCP and UDP Protocol**

Lesson 13 : **Comparison of OSI Model and TCP IP Model**

Lesson 14 : **Transmission Medium in Computer Network**

Lesson 15 : **IP Address MAC Address and Port Address**

Lesson 16 : **Data Link Layer in Computer Network**

Lesson 17 : **Transmission Delay Propagation Delay in Computer Network**

Lesson 18 : **Stop Wait ARQ with Error Free Case in Computer Network**

Lesson 19 : **Stop Wait ARQ with Special Cases in Computer Network**

Lesson 20 : **Examples on Stop Wait ARQ in Computer Network**

Lesson 21 : **Capacity of Channel in Computer Network**

Lesson 22 : **Sliding Window Protocol in Computer Network**

Lesson 23 : **Parameters of Sliding Window Protocol in Computer Network**

Lesson 24 : **Go Back N ARQ Protocol in Computer Network**

Lesson 25 : **Examples on Go Back N ARQ Protocol in Computer Network**

Lesson 26 : **Selective Repeat ARQ Protocol in Computer Network**

Lesson 27 :
Comparison of Stop Wait ARQ Protocol Go Back N ARQ Protocol and Selective Repeat ARQ Protocol

Lesson 28 : **Examples on Stop and Wait ARQ Protocol in Computer Network**

Lesson 29 : **Examples on Go Back N ARQ Protocol in Computer Network**

Lesson 30 : **Examples on Selective Repeat ARQ Protocol in Computer Network**

Lesson 31 : **Media Access Protocols in Computer Network**

Lesson 32 : **Channelization Protocols FDMA TDMA CDMA in Computer Network**

Lesson 33 : **Polling Protocol in Computer Network**

Lesson 34 : **Reservation Protocol in Computer Network**

Lesson 35 : **Token Passing Protocol in Computer Network**

Lesson 36 : **Parameters of Token Passing Protocol in Computer Network**

Lesson 37 : **Pure Aloha Random Access Protocol in Computer Network**

Lesson 38 : **Slotted Aloha Random Access Protocol in Computer Network**

Lesson 39 :
Derivation of Efficiency and Throughput of Pure Aloha and Slotted Aloha in Computer Network

Lesson 40 : **Examples of Pure Aloha and Slotted Aloha in Computer Network**

Lesson 41 : **CSMA Carrier Sense Multiple Access in Computer Network**

Lesson 42 : **CSMA CD Carrier Sense Multiple Access Collison Detection in Computer Network**

Lesson 43 : **Efficiency of CSMA CD Protocol in Computer Network**

Lesson 44 : **Back off Algorithm for CSMA CD in Computer Network**

Lesson 45 : **Examples of CSMA CD Protocol in Computer Network**

Lesson 46 : **CSMA CA Carrier Sense Multiple Access Collision Avoidance in Computer Network**

Lesson 47 : **VRC Vertical Redundancy Check LRP Longitudinal Redundancy Parity Error Detection**

Lesson 48 : **Checksum Error Detection in Computer Network**

Lesson 49 : **Cyclic Redundancy Check CRC Error Detection in Computer Network**

Lesson 50 : **Example on CRC Cyclic Redundancy Check in Computer Network**

Lesson 51 : **Hamming Code for Error Correction and Error Detection**

Lesson 52 :
Minimum Hamming Distance Error Detection Capability and Error Correction Capability

Lesson 53 : **Framing at Data Link Layer in Computer Network**

Lesson 54 : **Ethernet LAN Protocol IEEE 802 3 Protocol in Computer Network**

Lesson 55 : **Wireless LAN Protocol Wi Fi Protocol IEEE 802 11 Protocol in Computer Network**

Lesson 56 : **Token Ring LAN Protocol IEEE 802 5 in Computer Network**

Lesson 57 : **1 Examples of LAN Protocols in Computer Networks**

Lesson 58 : **2 Examples of LAN Protocols in Computer Networks**

Lesson 59 : **3 Examples of LAN Protocols in Computer Networks**

Lesson 60 : **Examples of CSMA Protocols in Computer Networks**

Lesson 61 : **Examples of Flow Control Protocols in Computer Networks**

Lesson 62 : **Repeater Network device in Computer Networks**

Lesson 63 : **Hub Network device in Computer Networks**

Lesson 64 : **Bridge Network device in Computer Networks**

Lesson 65 : **Switch Network device in Computer Networks**

Lesson 66 : **Router and Brouter Network device in Computer Networks**

Lesson 67 :
Comparison of Network Devices such as Repeater Hub Bridge Switch Router in Computer Network

Lesson 68 : **Network Segment Collision Domain Broadcast Domain in Computer Networks**

Lesson 69 : **Spanning Tree Protocol STP in Computer Networks**

Lesson 70 : **Example of Spanning Tree Protocol STP in Computer Networks**

Lesson 71 : **Network Layer in Computer Networks**

Lesson 72 : **Why to do Logical Addressing even Physical Addressing Exist in Computer Networks**

Lesson 73 : **Classful Addressing of IP Addresses in Computer Networks**

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Lesson 75 : **Subnetting with different sized subnetworks in Computer Networks**

Lesson 76 : **Classless Inter Domain Routing CIDR in Computer Network**

Lesson 77 : **Examples of Classful IP Addressing in Computer Network**

Lesson 78 : **1 Examples of Subnet Masking and IP Addressing in Computer Networks**

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Lesson 80 : **3 Examples of Subnet Masking and IP Addressing in Computer Networks**

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Lesson 84 : **Examples of Fragmentation and IPV4 Frame in Computer Networks**

Lesson 85 : **IPV4 Broadcasting in Computer Networks**

Lesson 86 : **Localhost and Loopback in Computer Networks**

Lesson 87 : **ARP Address Resolution Protocol in Computer Networks**

Lesson 88 : **RARP Reverse Address Resolution Protocol in Computer Networks**

Lesson 89 : **BOOTP Bootstrap Protocol in Computer Networks**

Lesson 90 : **DHCP Dynamic Host Configuration Protocol in Computer Networks**

Lesson 91 : **Public IP and Private IP in Computer Networks**

Lesson 92 : **NAT Network Address Translation in Computer Networks**

Lesson 93 : **ICMP â€“ Internet Control Message Protocol in Computer Networks**

Lesson 94 : **ICMP uses in Computer Networks**

Lesson 95 : **Routing in Computer Networks**

Lesson 96 :
Non Adaptive Routing Algorithms in Computer Networks Flooding Routing Random Walk Algorithm

Lesson 97 : **Distance Vector Routing Algorithm in Computer Networks**

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Lesson 99 : **Circuit Switching Packet Switching and Message Switching in Computer Networks**

Lesson 100 : **IPV6 basics and IPV6 Representation in Computer Networks**

Lesson 101 : **IPV6 Casting in Computer Networks**

Lesson 102 : **IPV6 Frame Format in Computer Networks**

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Lesson 106 : **4 Examples on Network Layer in Computer Networks**

Lesson 107 : **Transport Layer in Computer Networks**

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Lesson 109 : **Sequence Number Acknowledgment number in TCP Segment Header**

Lesson 110 : **Wrap Around Time and Life Time in TCP Segment Header**

Lesson 111 : **Header Length and Checksum in TCP Segment Header**

Lesson 112 : **TCP Connections in Computer Networks**

Lesson 113 : **PSH URG RST Urgent Pointer and Options Field in TCP Segment Header**

Lesson 114 : **Flow Control in TCP Protocol**

Lesson 115 : **Sliding Window Protocol in TCP**

Lesson 116 : **Retransmission in TCP**

Lesson 117 : **Congestion Control in TCP**

Lesson 118 : **Timers in TCP**

Lesson 119 : **Basic Algorithm for Timeout Timer in TCP**

Lesson 120 : **Jacobson s Algorithm for Timeout Timer in TCP**

Lesson 121 : **Karn s Modification of Timeout Timer in TCP**

Lesson 122 : **Silly Window Syndrome and It s Solutions in TCP**

Lesson 123 :
Congestion Control using Traffic Shaping in TCP Leaky Bucket Algorithm Token Bucket Algorithm

Lesson 124 : **UDP User Datagram Protocol in Computer Networks**

Lesson 125 : **UDP Segment Header in Computer Networks**

Lesson 126 : **1 Examples on TCP and UDP in Computer Networks**

Lesson 127 : **2 Examples on TCP and UDP in Computer Networks**

Lesson 128 : **3 Examples on TCP and UDP in Computer Networks**

Lesson 129 : **4 Examples on TCP and UDP in Computer Networks**

Lesson 130 : **Application Layer Protocols in Computer Network**

Lesson 131 : **DNS Domain Name System in Computer Networks**

Lesson 132 : **SMTP POP IMAP in Computer Networks**

Lesson 133 : **HTTP HTTPs Hyper Text Transfer Protocol in Computer Networks**

Lesson 134 : **FTP SFTP TFTP in Computer Networks**

Lesson 135 : **Examples of Application Layer Protocols**

Lesson 136 : **Computer Network on Engineering Funda Android Application**

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