Mindluster Platform

About the course Computer networks features for beginners

Computer networks features course, in this course we will learn about the computer networks features. This course provides an in-depth exploration of the essential characteristics and functionalities of computer networks. We will cover the fundamental aspects of network architecture, including the OSI and TCP/IP models, which define the layers of communication protocols. The course will examine various network types, such as LANs, WANs, MANs, and PANs, highlighting their specific features and use cases. We will delve into network topologies like star, mesh, bus, and ring, understanding their advantages and limitations. Additionally, the course will cover network hardware components, including routers, switches, hubs, and gateways, explaining their roles in data transmission. We will explore IP addressing, subnetting, and the principles of routing and switching. Network security features, such as firewalls, encryption, and intrusion detection systems, will be discussed to highlight the importance of protecting data. The course also includes a study of wireless networking, focusing on Wi-Fi, Bluetooth, and emerging technologies like 5G. Quality of Service (QoS), network performance optimization, and troubleshooting techniques will also be covered. By the end of this course, students will have a comprehensive understanding of the features that make up computer networks and how these features work together to enable efficient and secure communication. This course is essential for anyone looking to gain a solid foundation in networking principles and practices.

Computer Science Category's Courses

Course Lesson(66)

Lesson 1 : **Computer networks introduction and Applications CN class 1 in telugu Rajeswari**

Lesson 2 : **Features of Computer Networks CN class 2 in Telugu Rajeswari**

Lesson 3 : **Computer Network Architecture in Networking CN class 3 in Telugu Rajeswari**

Lesson 4 :
Computer networking components in computer networking CN class 4 in Telugu Rajeswari

Lesson 5 : **Computer Networking types LAN PAN CN class 5 in Telugu âœ“ Rajeswari**

Lesson 6 : **Networking MAN WAN CN class 6 in Telugu CN class 6 in Telugu**

Lesson 7 : **Computer networking Topology physical and logical Topology CN class 7 in Telugu**

Lesson 8 : **Bus Topology in Computer Networking CN class 8 in Telugu**

Lesson 9 : **Ring Topology in Computer Networking CN class 9 in Telugu**

Lesson 10 : **Star Topology in Computer Networking CN class 11 in Telugu âœ“ Rajeswari**

Lesson 11 : **Tree Topology in Computer Networking CN class 11 in Telugu**

Lesson 12 : **Mesh Topology in Computer Networking CN class 12 in Telugu âœ“ Rajeswari**

Lesson 13 : **Hybrid Topology in Computer Networking CN class 13 in Telugu âœ“ Rajeswari**

Lesson 14 : **Transmission modes in Computer Networking CN class 14 in Telugu**

Lesson 15 :
Computer networking models why layered approach Computer Networking class 15 in Telugu

Lesson 16 : **OSI model in computer networking CN class 16 in Telugu**

Lesson 17 : **Physical layer in OSI model in Computer Networking class in Telugu**

Lesson 18 : **Data Link Layer in Computer Networking CN classes in Telugu**

Lesson 19 : **Network Layer in OSI model CN classes in Telugu**

Lesson 20 : **Transport Layer in OSI model CN classes in Telugu**

Lesson 21 : **Session Layer in OSI model CN classes in Telugu**

Lesson 22 : **Presentation Layer in OSI model CN classes in Telugu**

Lesson 23 : **Application Layer in OSI model CN classes in Telugu**

Lesson 24 : **TCP IP Model part 1 in Computer Networking CN classes in Telugu**

Lesson 25 : **OSI vs TCP IP Model in Computer Networking CN classes in Telugu**

Lesson 26 : **Connection vs Connection less in Computer Networking CN classes in Telugu**

Lesson 27 : **Digital Transmission in Computer Networking CN classes in Telugu**

Lesson 28 : **Digital Transmission part 2 Analog to Digital Transmission CN classes in Telugu**

Lesson 29 : **Transmission Media Guided Media Unguided Media CN classes in Telugu**

Lesson 30 : **Networking Devices Computer Networking tutorials in Telugu**

Lesson 31 : **Data Link Layer Design and issues CN classes in Telugu**

Lesson 32 :
Error Detecting Techniques in Data Link Layer Computer Networking tutorials in Telugu

Lesson 33 : **Checksum technique Computer Networking tutorials in Telugu**

Lesson 34 : **Cyclic Redundancy Check CRC in Computer Networking CN classes in Telugu**

Lesson 35 : **Data Link Controls Computer Networking tutorials in Telugu**

Lesson 36 :
Network Layer class A class B class C class D class E N w Addressing in Computer Networking

Lesson 37 : **Routing and types in Network Layer Computer Networking tutorials in Telugu**

Lesson 38 : **Routing Algorithms in computer networking CN classes in Telugu**

Lesson 39 : **Distance Vector Routing Algorithm in Routers CN classes in Telugu**

Lesson 40 : **Line State Algorithm in Networking Computer Networking in Telugu**

Lesson 41 : **Multiplexing introduction in Computer Networking CN classes in Telugu**

Lesson 42 : **Multiplexing Techniques Types of Multiplexing Computer Networking in Telugu**

Lesson 43 : **Switching and Circuit Switching Computer Networking in Telugu**

Lesson 44 : **Packet Switching in switching techniques CN classes in Telugu**

Lesson 45 : **Message Switching in switching techniques Computer Networking in Telugu**

Lesson 46 : **UDP protocol in Transport layer Computer Networking in Telugu**

Lesson 47 : **TCP Protocol in transport layer CN classes in Telugu**

Lesson 48 : **TCP Header introduction CN classes in Telugu**

Lesson 49 : **TCP Connection in Computer Networks CN classes in Telugu**

Lesson 50 : **Positive Acknowledgement Retransmission protocol CN classes in Telugu**

Lesson 51 : **HTTP protocol in Application layer computer networks in Telugu**

Lesson 52 : **FTP Protocol in Application Layer computer networks in Telugu**

Lesson 53 : **SMTP protocol in Application layer Computer Networks in Telugu**

Lesson 54 : **TCP IP Model part 2 Computer Networks in Telugu**

Lesson 55 : **POP Protocol in transport layer Computer Networks in Telugu**

Lesson 56 : **SNMP Protocol in Application Layer Computer Networks in Telugu**

Lesson 57 : **DNS in computer networks CN classes in Telugu**

Lesson 58 : **TELNET Protocol in Application Layer Computer Networks in Telugu**

Lesson 59 : **Congestion Control in networking Computer Networks in Telugu**

Lesson 60 : **Leaky Bucket Algorithm Computer Networks in Telugu**

Lesson 61 : **Token Bucket Algorithm in Computer Networks Computer Networking in Telugu**

Lesson 62 : **Gateway Protocol Computer Networks in Telugu**

Lesson 63 : **Types of Autonomous System Computer Networks in Telugu**

Lesson 64 : **BGP Attributes Computer Networks in Telugu**

Lesson 65 : **MIME Protocol introduction MIME Header Computer Networks in Telugu**

Lesson 66 : **Sockets introduction types of Sockets in Computer Networks in Telugu**

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