Mindluster Platform

# About the course Computer networking fundamentals

Computer networking fundamentals course, in this course offers a comprehensive overview starting from the basics, including the OSI model, TCP/IP protocols, and networking devices such as routers, switches, and modems. Learners delve into understanding data transmission methods, including packet switching and circuit switching, and gain insights into network addressing, subnetting, and routing algorithms. Through a blend of theoretical concepts and practical exercises, students learn about network architectures, topologies, and protocols, including Ethernet, Wi-Fi, and DNS. The course also covers network security fundamentals, such as encryption, firewalls, and intrusion detection systems, to instill an understanding of safeguarding data integrity and confidentiality. Furthermore, participants explore emerging trends like cloud networking, virtualization, and software-defined networking (SDN), gaining valuable insights into the evolving landscape of computer networking. By the course's conclusion, learners will have a solid foundation in computer networking fundamentals, enabling them to understand, design, and troubleshoot networked systems effectively.

**Computer Science Category's Courses**

# Course Lesson(3)

Lesson 1 : **Fundamental of computer Networking part 2 2**

Lesson 2 : **Fundamental of computer Networking part 1 2**

Lesson 3 : **Computer Networking Fundamentals Networking Tutorial for beginners Full Course**

# Related courses

**Linear Algebra for Computer Scientists**

**Insertion Sort**

**Bubble Sort**

**GCSE Computer Science**

**Random Access Memory**

**Binary Trees**

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