

ՀՀ բարձր տեխնոլոգիական արդյունաբերության նախարարության կողմից
հայտարարված դրամաշնորհային ծրագրի շրջանակում
«Բի Էս Սի» Բիզնեսի Աջակցման Կենտրոնն իրականացնում է
«10 թեմաներով անվճար վերապատրաստման դասընթացներ»

Network Administration (Մկանակ մակարդակ)

Ուսումնական ծրագիր

Հ/Հ	Թեմա	Դասընթացի նկարագրություն
1	Introduction to Networking	<ul style="list-style-type: none">§ Overview of computer networks and their components§ Network topologies and architectures§ OSI and TCP/IP network models
2	Network Protocols and Services	<ul style="list-style-type: none">§ Introduction to common network protocols (e.g., TCP, UDP, IP)§ DNS (Domain Name System) and DHCP (Dynamic Host Configuration Protocol)§ HTTP, FTP, and other application-layer protocols
3	Network Devices and Technologies	<ul style="list-style-type: none">§ Overview of network devices (e.g., routers, switches, firewalls)§ Ethernet LAN technologies and standards§ Wireless networking and Wi-Fi standards
4	IP Addressing and Subnetting	<ul style="list-style-type: none">§ IPv4 and IPv6 addressing schemes§ Subnetting concepts and calculations§ IP addressing configuration and troubleshooting
5	Routing and Switching	<ul style="list-style-type: none">§ Routing protocols and concepts (e.g., OSPF, BGP)§ Configuring and managing routers and switches§ VLANs (Virtual LANs) and inter-VLAN routing

6	Network Security Fundamentals	<ul style="list-style-type: none">§ Common network security threats and vulnerabilities§ Access control and authentication mechanisms§ Firewalls and network security appliances
7	Network Troubleshooting and Diagnostics	<ul style="list-style-type: none">§ Network troubleshooting methodologies and tools§ Analyzing network traffic with packet sniffers (e.g., Wireshark)§ Identifying and resolving common network issues
8	Wireless Networking	<ul style="list-style-type: none">§ Wireless network fundamentals and standards (e.g., IEEE 802.11)§ Configuring and securing wireless networks§ Wireless site surveys and troubleshooting
9	Network Services and Protocols	<ul style="list-style-type: none">§ Introduction to network services (e.g., DNS, DHCP, FTP, HTTP)§ Configuring and managing network services§ Network service troubleshooting
10	Network Documentation and Best Practices	<ul style="list-style-type: none">§ Network documentation standards and tools§ Implementing network management and monitoring tools§ Best practices for network administration and maintenance