

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

**Linux (Միջին մակարդակ)
Ուսումնական ծրագիր**

Հ/Հ	Թեմա	Դասընթացի նկարագրություն
1	Advanced Shell Scripting	<ul style="list-style-type: none">Advanced scripting techniques (e.g., functions, error handling)Parsing command-line arguments and optionsShell scripting best practices
2	Linux File Systems and Disk Management	<ul style="list-style-type: none">Advanced disk partitioning and file system managementLogical Volume Management (LVM) concepts and administrationRAID configurations and management
3	Advanced Networking and Services	<ul style="list-style-type: none">Network troubleshooting and diagnostic toolsConfiguring advanced network services (e.g., VPN, VLAN)Securing network services with SSL/TLS certificates
4	System Performance Monitoring and Optimization	<ul style="list-style-type: none">Performance monitoring tools (e.g., top, vmstat)Analyzing system resource usage and identifying bottlenecksTuning system parameters for optimal performance

5	Shell Scripting for Automation and System Administration	<ul style="list-style-type: none">§ Writing complex shell scripts for system administration tasks§ Automating repetitive tasks with scripts§ Building interactive command-line tools with shell scripting
6	Virtualization and Containerization	<ul style="list-style-type: none">§ Introduction to virtualization concepts (e.g., KVM, VirtualBox)§ Managing virtual machines and hypervisors§ Containerization with Docker and container orchestration tools
7	Backup and Recovery Strategies	<ul style="list-style-type: none">§ Backup concepts and strategies§ Implementing backup solutions and scheduling backups§ Recovering from system failures and data loss
8	Linux Security and Hardening	<ul style="list-style-type: none">§ Linux security principles and best practices§ Securing system services and network configurations§ Auditing and monitoring system logs for security incidents
9	Advanced System Administration	<ul style="list-style-type: none">§ Managing system services and startup scripts§ Kernel and module management§ Kernel tuning and customization
10	High Availability and Load Balancing	<ul style="list-style-type: none">§ Implementing high availability solutions (e.g., clustering, failover)§ Load balancing concepts and configurations§ Deploying applications in a highly available Linux environment