

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

DevOps (Միջին մակարդակ)
Ուսումնական ծրագիր

Հ/Հ	Թեմա	Դասընթացի նկարագրություն
1	Advanced CI/CD and Orchestration	<ul style="list-style-type: none">Advanced CI/CD pipeline design and optimizationContinuous deployment strategiesOrchestration tools like Kubernetes or Docker Swarm
2	Infrastructure Automation and Configuration Management	<ul style="list-style-type: none">Advanced infrastructure provisioning with IaC tools (e.g., Terraform, CloudFormation)Configuration management at scale with tools like Ansible or ChefInfrastructure testing and compliance
3	Advanced Containerization and Orchestration	<ul style="list-style-type: none">Advanced Docker concepts and techniquesContainer orchestration with KubernetesManaging distributed applications and scaling with Kubernetes
4	Advanced Monitoring and Observability	<ul style="list-style-type: none">Advanced monitoring techniques (e.g., distributed tracing, metrics aggregation)Implementing observability in DevOps workflowsApplication performance monitoring and optimization

5	Advanced Security and Compliance in DevOps	<ul style="list-style-type: none">§ DevSecOps principles and practices§ Implementing security controls in CI/CD pipelines§ Compliance automation and auditing in DevOps environments
6	Infrastructure Scaling and High Availability	<ul style="list-style-type: none">§ Horizontal and vertical scaling strategies§ Implementing high availability and fault-tolerant architectures§ Load balancing and auto-scaling techniques
7	Infrastructure as Code (IaC) Best Practices	<ul style="list-style-type: none">§ IaC design patterns and anti-patterns§ IaC testing and validation techniques§ IaC for multi-cloud and hybrid cloud environments
8	DevOps Culture and Organizational Transformation	<ul style="list-style-type: none">§ Building a DevOps culture within organizations§ Agile and DevOps alignment§ DevOps leadership and change management
9	Advanced Cloud Services and Serverless Architecture	<ul style="list-style-type: none">§ Serverless computing concepts and benefits§ Leveraging cloud-native services for DevOps§ Implementing serverless architectures in DevOps workflows
10	Advanced DevOps Tools and Ecosystem	<ul style="list-style-type: none">§ Exploring advanced DevOps tools and technologies§ Integrating and customizing DevOps toolchains§ Evaluating and adopting new DevOps tools and trends