

BCS Foundation Level Certificate in DevOps Course

Course Duration : 40 Hours

Course code : BCS-DEVOPS-924

1. Course Overview

The BCS Foundation Level Certificate in DevOps Course is designed to provide a comprehensive introduction to DevOps principles, practices, and tools used to improve collaboration between development and operations teams. This course focuses on enhancing software delivery speed, quality, and efficiency through automation and continuous integration.

2. What you'll learn?

- Fundamentals of DevOps and its lifecycle
- Continuous integration and continuous delivery (CI/CD)
- Infrastructure as code (IaC) concepts
- Automation and deployment strategies
- Monitoring and performance management
- DevOps tools and best practices

3. Target Audience

- IT professionals and software developers
- System administrators and DevOps engineers
- Project managers and IT managers
- Cloud and infrastructure professionals
- Students and fresh graduates

4. Pre-Requisites

- IT professionals and software developers
- System administrators and DevOps engineers
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5. Course Content (Modules)

Module 1: Introduction to DevOps

- DevOps fundamentals and principles
- DevOps culture and collaboration
- Software development lifecycle

Module 2: CI/CD & Automation

- Continuous integration concepts
- Continuous delivery pipelines
- Automation tools and practices

Module 3: Infrastructure as Code (IaC)

- IaC fundamentals
- Configuration management
- Deployment strategies

Module 4: Monitoring & Performance Management

- Monitoring tools and techniques
- Logging and performance analysis
- Incident management

Module 5: Case Studies & Certification Preparation

- Real-world DevOps implementations
- Best practices
- BCS Foundation exam preparation