DevOps Beginner Course

Module 1: Introduction to DevOps
Understanding DevOps culture, collaboration between development and operations,
and overview of the software development lifecycle.

Module 2: Version Control Systems
Introduction to Git, repositories, branching strategies, and collaboration workflows.

Module 3: Continuous Integration (CI)
Concept of CI, automated builds, testing pipelines, and integration practices.

Module 4: Continuous Deployment (CD)
Deployment strategies, automation, release management, and environment configuration.

Module 5: Containerization
Introduction to Docker, container concepts, images, and container orchestration basics.

Module 6: Cloud Computing Basics
Overview of cloud services, deployment models, and infrastructure basics.

Module 7: Monitoring and Logging
Importance of monitoring, logging tools, performance tracking, and reliability practices.

Module 8: DevOps Best Practices
Automation, security basics, collaboration workflows, and real-world DevOps implementation
strategies.