

DevOps and Cloud

Course Details

Module 01 ●

Introduction to DevOps

- Understanding DevOps principles and practices
- Continuous Integration (CI) and Continuous Deployment (CD) pipelines
- Version Control Systems (VCS) and Git
- Infrastructure as Code (IaC) with tools like Terraform and Ansible

Module 02 ●

Cloud Technologies

- Introduction to Cloud Computing and its benefits
- Overview of major Cloud Service Providers: AWS (Amazon Web Services) and Azure
- Cloud Infrastructure Services: Compute, Storage, Networking

Module 03 ●

DevOps Practices

- Automated Testing and Quality Assurance
- Containerization with Docker and Kubernetes
- Monitoring and Logging with tools like Prometheus and ELK Stack
- Incident Management and Root Cause Analysis

Module 04 ●

Data Visualization Techniques

- Importance of Data Visualization in conveying insights
- Data Visualization Tools: Tableau, Power BI, Google Data Studio
- Design Principles for effective Data Visualization
- Creating Interactive Dashboards and Reports

Module 05 ●

Live Projects in DevOps and Cloud

- Hands-on experience with deploying and managing cloud-based solutions
- Implementing CI/CD pipelines for automated deployment
- Setting up Infrastructure on AWS or Azure
- Building and Visualizing Data Pipelines

Assessment and Certification ●

- Regular Quizzes and Assignments to Assess Understanding
- Final DevOps and Cloud Project
- Course Completion Certificate

Duration & Prerequisites ●

- The course is designed to be completed in 4 months.
- Basic understanding of programming concepts and familiarity with Linux command line is recommended.

Who Should Enroll ●

- IT professionals looking to enhance their skills in DevOps and Cloud technologies
- Developers interested in learning about automating deployment processes and managing cloud infrastructure
- Data Analysts and Business Intelligence professionals seeking to improve their data visualization skills

Want to get placed as a software engineer ?

80%

Student Placed

44LPA

Highest Package

10LPA

Average Package



Outcome

By the end of this course, participants will have a comprehensive understanding of DevOps practices and Cloud technologies. They will be proficient in setting up and managing cloud infrastructure, implementing CI/CD pipelines, and visualizing data effectively. Participants will gain practical experience through live projects, enabling them to deploy and manage cloud-based solutions confi-

Our Mentors

**Vaibhav Goyal**

NIT WARANGAL

(Mentor : DSA and Full Stack)

**Drishti Mamtani**

BITS PILANI HYDERABAD

(Mentor : Data Science
and Analytics Part)**Shubham Mondal**

IIT KHARAGPUR

(Mentor : DSA and Coding)



Our Students Are Placed In

