

The
No. 1
BRAND

Government Recognised
INFOBYTE®

CAREER  **INSTITUTE**



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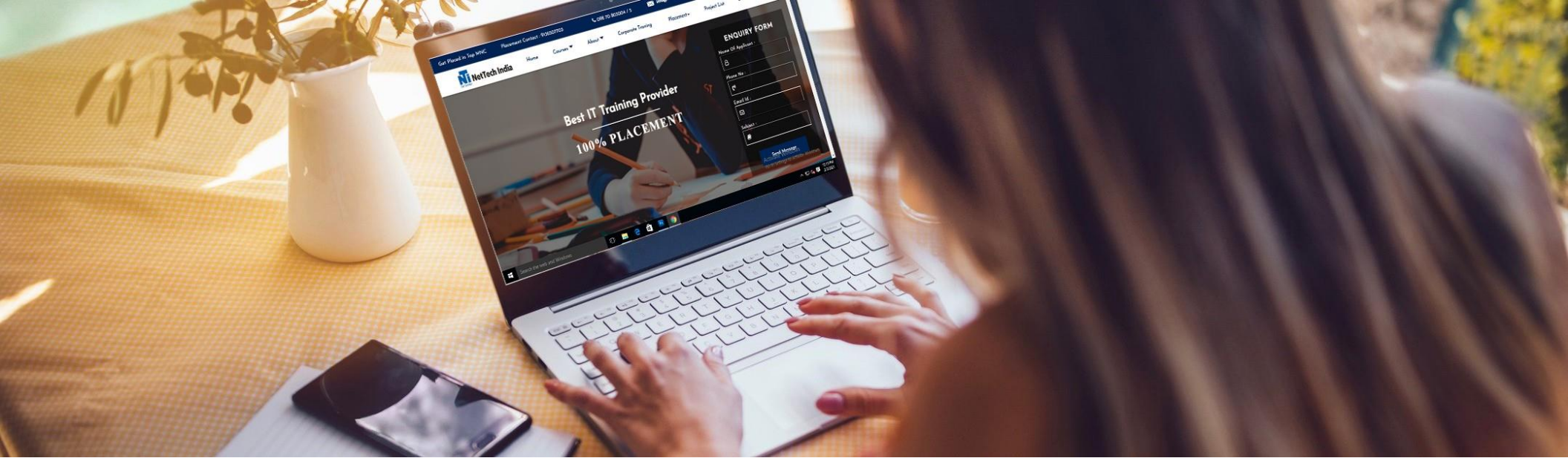
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DEVOPS CERTIFICATION





ABOUT US

Infobyte Computer Education offers a high-quality learning experience in the field of IT training to train students on brand new technologies and train them to deliver the desired results with commercially relevant and re-organized technical skills.

The probability of achieving your dream job will keep on increasing day by day once you complete a course in **infobyte**. We also focus on improving soft skills in terms of communication, leadership, teamwork, external appearance, and attitude which helps everyone to be professional in all the aspects of their career.



25%
Theory



75%
Practicals

ABOUT DEVOPS

Infobyte DevOps course in Mumbai helps you to become an expert in the field of automation of configuration management, inter-team collaboration, and IT service agility. You will learn how to implement the DevOps delivery model.

What do you mean by Dev Ops?

It is an enterprise software development phrase that means an agile relationship between development and IT operation. The goal of this course is to forge the relationship by improving communication between two business units.



BENEFITS OF DEVOPS

- Career Growth - Higher Pay & Position
- Encourages professional development
- Enriches self-image and reputation
- Enhances professional credibility.
- Abundant Job Opportunities
- Used In Many Industries
- Global Recognition
- Secure and Flexible
- 50+ Case Studies
- 10+ Projects



COURSE CONTENT

1 DevOps Essentials

- **Introduction to DevOps**
- **Processes**
 - Build Automation
 - Continuous Integration
 - Continuous Deployment
 - Continuous Delivery
- **Tools**
 - Jenkins
 - VSTS
 - Docker

2 Git, Github and Gitlab

- **Installation and Configuration**
 - Installing Git
 - Basic Configuration
- **Git Basics**
 - Empty Repositories
 - Git Basics
 - Git Ignore

- **Cloning**
 - Cloning: Local Repositories
 - Cloning: Remote Repositories Tagging, Branching, and Merging
 - Tags
 - Branches
 - Merging
- **Logging and Repository Auditing**
 - Git Log
 - Gitlab: Installation, Configuration, and Use
 - Prerequisites
 - Download, Install and Configure
 - Architecture
 - User Administration and Secure Access
 - **Working with Github**
 - Introduction to Github
 - Secure Communication
 - Working with Github

3 JavaScript Programming

- **Introduction**
 1. What's a Programming Languages
- **JavaScript Basics**
 - Hello World!
 - Variables
 - Types of Variables
 - Basic Math
 - Conditionals
 - Conditionals Continued
 - Iterators
 - Arrays and Hashes
 - Strings
 - While Loop
 - For Loop
 - Loop Contro

4 VSTS (Visual Studio Team Service)

- Introduction to VSTS
- Agents
- Artifacts
- Organization
- Pipelines
- Test Plans.
- Build Pipeline
- Deployment Pipeline

5 Docker

- **Learning the Basics of Docker**
 - Introduction to Docker
 - Containers Vs. Virtual Machines
 - Docker Architecture
 - The Docker Hub
 - Docker Installation
 - Creating Our First Image

- Working With Multiple Images
 - Packaging A Customized Container
 - Running Container Commands With Docker
 - Exposing Our Container With Port Redirects
-
- **Docker Builds and Deployments**
 - Container Snapshots
 - Attach to a Running Container
 - Removing Images
 - Directory Structure
 - Services That Run on Start-up
 - Dockerfile: Tying It Together
 - Pushing Images to Docker Hub
 - Adding External Content
 - Image Volume Management
 - Advanced Container Network Management

- **Docker Internals**
 - Interactive Shell Control
 - Previous Container Management
 - Container Routing
 - Sharing Container Resources
 - Committing a Running Container (Snapshot Images)
 - Container Linking and Communication
 - Taking Control of Ports
 - Five Useful Docker CLI Commands
 - More Useful Docker CLI Commands
 - Optimizing Our Dockerfile Builds

6 Jenkins and Build Automation

- **Introduction to Jenkins**
 - Introduction
 - Best Practices
- **Installation and Configuration**
 - Prerequisites
 - Download and Installation
 - Configuration Tour

- **Managing Jenkins**
 - Securing Jenkins
 - Managing Credentials
 - Plugin Management
 - Jenkins Backup – Using Plugins to Manage Your System
- **Build Details: Setting Up Different Types of Automated Builds**
 - Your First Build
 - Working With Github
 - Build from Github Project
 - Scheduling Builds
 - Managing Remote Systems with Jenkins

7 Agile Methodologies (SCRUM)

- The Emergence of Scrum
- Distribution of methodologies
- Project Management Today
- Project Management – new wave
- Scrum from the clouds
- The Essence of Scrum
- The Basics of Scrum
- Why Has Scrum Become So Popular?

- Scrum Challenges
- The Traditional Approach
- Agile: Iterative Incremental Development
- How Much Written Documentation?
- Format for Product Backlog Items
- Problem of Changing Priorities
- Handling Changing Priorities
- Estimation and Release Planning in Scrum
- Product Backlog Estimation
- Relative Size
- Planning Poker
- Scrum Release Cycle

And Many More...

8 Terraform

- **Introduction to Terraform**
 - What Is Terraform?
 - Infrastructure as Code
 - Execution Plans
 - Resource Graph
 - Change Automation
- **Use Cases**
- **Terraform Vs Other Software**
 - Chef, Puppet, etc.
 - Cloud Formation, Heat, etc.
 - Boto, Fog, etc.
 - Custom Solutions
- **Getting Started**
 - Install Terraform
 - Build Infrastructure
 - Change Infrastructure
 - Destroy Infrastructure
 - Terraform Remote
 - Resource Dependencies
 - Provision

- Input Variables
- Output Variables
- **Terraform Commands (CLI)**
- **Configuration**
 - Load Order and Semantics
 - Configuration Syntax
 - Interpolation Syntax
 - Overrides
 - Resources
 - Data Sources
 - Providers
 - Variables
 - Outputs
 - Environment Variables
- **Internals**
 - Debugging Terraform
 - Resource Graph
 - Resource Lifecycle
 - Assignment

And Many More...



WHO CAN LEARN ?

- Anyone who wants to build a career as a Data Scientist.
- Anyone who wish to build career in IT Field or Banking.
- Students who are currently in college or university.

CAREER OPPORTUNITIES

- Cloud Engineer
- Cloud Architect
- Solution Architect Engineer
- Cloud Security
- System Administrator

And Many More...

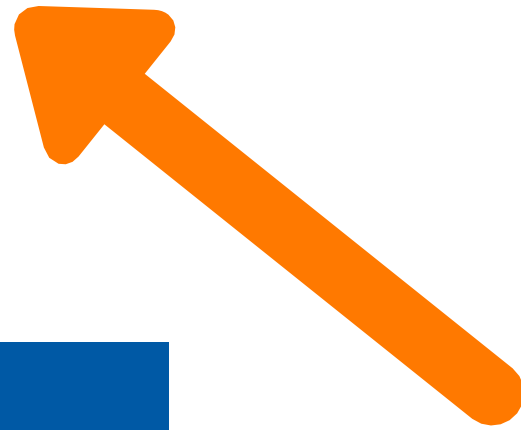


PROCESS FOR SUCCESS

GET PLACED

GET TRAINED

ENROLL



FACILITIES OFFERED


- Practical Training on Live Projects
- 100% Placement Guarantee
- Interview Preparation
- Global Certification
- Fully functional labs
- Online / Offline Training
- Study Materials
- Expert level industry recognized training



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