NetTech India

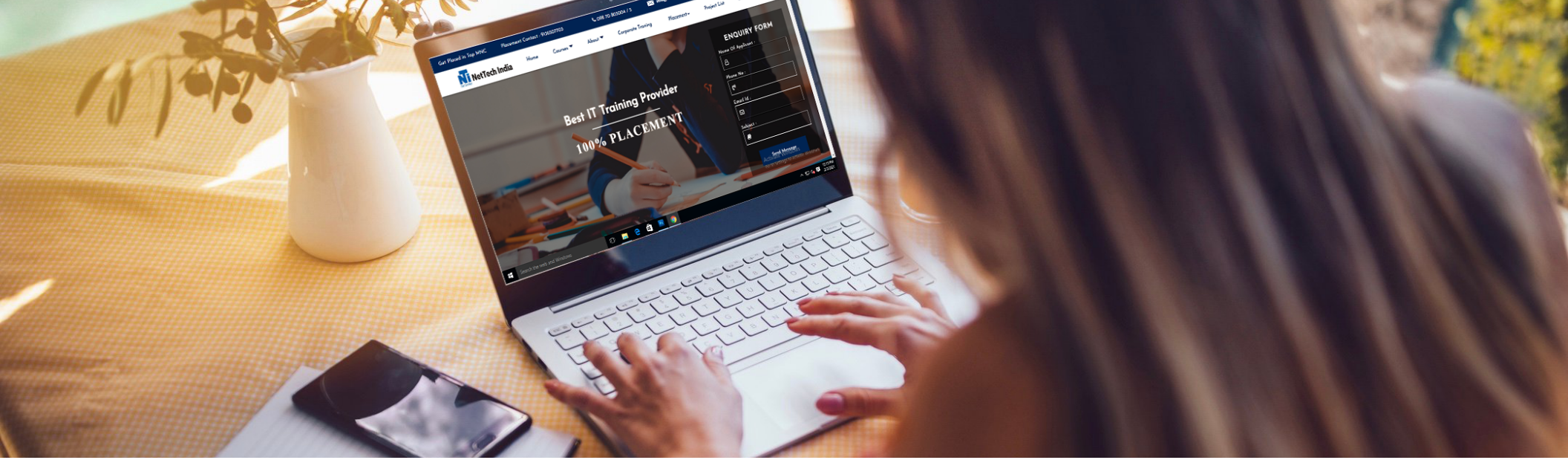
Get Certified

DEVOPS CERTIFICATION

https://nettechindia.com/

info@nettechindia.com

9870803004/5



ABOUT US

NetTech India Training Institute 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 NetTech India. 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

https://nettechindia.com/

ABOUT DEVOPS

NetTech India's 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

https://nettechindia.com/

COURSE CONTENT

1. DevOps Essentials

- a. Introduction to DevOps
- b. Processes

i. Build Automation

ii. Continuous Integration

iii. Continuous Deployment

iv. Continuous Delivery

- c. Tools

i. Jenkins

ii. VSTS

iii. Docker

2. Git, Github and Gitlab

- a. Installation and Configuration

i. Installing Git

ii. Basic Configuration

- b. Git Basics

i. Empty Repositories

ii. Git Basics

iii. Git Ignore

- c. Cloning
  i. Cloning: Local Repositories
  ii. Cloning: Remote Repositories
- d. Tagging, Branching, and Merging
  i. Tags
  ii. Branches
  iii. Merging
- e. Logging and Repository Auditing
  i. Git Log
- f. Gitlab: Installation, Configuration, and Use
  i. Prerequisites
  ii. Download, Install and Configure
  iii. Architecture
  iv. User Administration and Secure Access
- g. Working with Github
  i. Introduction to Github
  ii. Secure Communication
  iii. Working with Github

3. JavaScript Programming

- a. Introduction

  i. What's a Programming Languages

- b. JavaScript Basics

  i. Hello World!

  ii. Variables

  iii. Types of Variables

  iv. Basic Math

  v. Conditionals

  vi. Conditionals Continued

  vii. Iterators

  viii. Arrays and Hashes

  ix. Strings

  x. While Loop

  xi. For Loop

  xii. Loop Contro

4. VSTS (Visual Studio Team Service)

a) Introduction to VSTS
b) Agents
c) Artifacts
d) Organization
e) Pipelines
f) Test Plans.
g) Build Pipeline
h) Deployment Pipelin

5. Docker

- a. Learning the Basics of Docker

i. Introduction to Docker
ii. Containers Vs. Virtual Machines
iii. Docker Architecture
iv. The Docker Hub
v. Docker Installation
vi. Creating Our First Image

vii. Working With Multiple Images
viii. Packaging A Customized Container
ix. Running Container Commands With Docker
x. Exposing Our Container With Port Redirects

- b. Docker Builds and Deployments

i. Container Snapshots
ii. Attach to a Running Container
iii. Removing Images
iv. Directory Structure
v. Services That Run on Start-up
vi. Dockerfile: Tying It Together
vii. Pushing Images to Docker Hub
viii. Adding External Content
ix. Image Volume Management
x. Advanced Container Network Management

- c. Docker Internals

i. Interactive Shell Control
ii. Previous Container Management
iii. Container Routing
iv. Sharing Container Resources
v. Committing a Running Container (Snapshot Images)
vi. Container Linking and Communication
vii. Taking Control of Ports
viii. Five Useful Docker CLI Commands
ix. More Useful Docker CLI Commands
x. Optimizing Our Dockerfile Builds

6. Jenkins and Build Automation

- a. Introduction to Jenkins

i. Introduction
ii. Best Practices

- b. Installation and Configuration

i. Prerequisites
ii. Download and Installation
iii. Configuration Tour

- c. Managing Jenkins

  i. Securing Jenkins

  ii. Managing Credentials

  iii. Plugin Management

  iv. Jenkins Backup – Using Plugins to Manage Your System
- d. Build Details: Setting Up Different Types of Automated Builds

  i. Your First Build

  ii. Working With Github

  iii. Build from Github Project

  iv. Scheduling Builds

  v. Managing Remote Systems with Jenkins

7. Agile Methodologies (SCRUM)

a. The Emergence of Scrum

b. Distribution of methodologies

c. Project Management Today

d. Project Management – new wave

e. Scrum from the clouds

f. The Essence of Scrum

g. The Basics of Scrum

h. Why Has Scrum Become So Popular?

i. Scrum Challenges
j. The Traditional Approach
k. Agile: Iterative Incremental Development
l. How Much Written Documentation?
m. Format for Product Backlog Items
n. Problem of Changing Priorities
o. Handling Changing Priorities
p. Estimation and Release Planning in Scrum
q. Product Backlog Estimation
r. Relative Size
s. Planning Poker
t. Scrum Release Cycle

And Many More...

8. Terraform

a. Introduction to Terraform

i. What Is Terraform?
ii. Infrastructure as Code
iii. Execution Plans
iv. Resource Graph
v. Change Automation

b. Use Cases

c. Terraform Vs Other Software

i. Chef, Puppet, etc.
ii. CloudFormation, Heat, etc.
iii. Boto, Fog, etc.
iv. Custom Solutions

d. Getting Started

i. Install Terraform
ii. Build Infrastructure
iii. Change Infrastructure
iv. Destroy Infrastructure
v. Terraform Remote
vi. Resource Dependencies
vii. Provision

viii. Input Variables
ix. Output Variables

e. Terraform Commands (CLI)

f. Configuration

i. Load Order and Semantics
ii. Configuration Syntax
iii. Interpolation Syntax
iv. Overrides
v. Resources
vi. Data Sources
vii. Providers
viii. Variables
ix. Outputs
x. Environment Variables

g. Internals

i. Debugging Terraform
ii. Resource Graph
iii. Resource Lifecycle
i. 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 / OfflineTraining
- Study Materials
- Expert level industry recognized training

https://nettechindia.com/

NetTech India

Get Certified

203, Ratnamani Building,
Dada Patil Wadi, Opp ICICI ATM,
Near Platform No.1Thane,
Maharashtra 400601

9870803004/5

info@nettechindia.com

https://www.nettechindia.com