DEVOPS BOOTCAMP

Total Duration- 120 hours

Why Choose Our DevOps Boot Camp?

Expert Trainers **Practical Experience** **Career Transformation** **Placement Assistance**

DEVOPS BOOTCAMP

12-Week Training Plan with Placement Assistance

Week 1: Introduction to DevOps

- What is SDLC
- What is SDLC Life cycle
- Introduction to SDLC Models – Waterfall, Agile, Scrum, Kanban etc..
- Introduction to DevOps
- SLDC Models Comparison & suitable use cases
- Introduction to Continuous Integration
- Introduction to Continuous Delivery

Week 2: Tools Installation Checklist

- Git CLI
- Git Bash for Windows
- Java – OpenJDK
- Maven
- Apache Tomcat
- Jenkins – Integration Server
- Nexus – Artifact Repository
- SonarQube – Quality Gates & Code Analysis
- Slack Notification
- Docker
- Docker-Compose
- AWS CLI
- Minikube, kubectl, Kops
- Terraform C

Week 3: Networking Fundamentals – L1

- Understanding Networks & IP
- OSI Reference Model
- IP Addressing
- Subnetting
- Protocols, ports, Firewalls
- Networking Commands

Week 4: Linux Administration - L2

- Introduction to Linux
- Commands and File systems
- Linux File Management Essential Tools
- Vim Command line editor
- Linux File Types
- Working with Redirections
- Managing Users and Groups
- Managing File permissions
- Managing Sudoer's
- Package Management
- Managing Services with Systemd
- Configuring Networking File Services (NFS & SAMBA)
- Configuring and Hosting Apache Webserver
- Process Management or Load-balancing Linux Server
- Trouble-Shooting Concepts for Real-Time

Week 5: Bash Scripting

- Introduction
- First script
- Quotes
- User Input
- Command Substitution
- Command line arguments
- System Variables
- Exporting Variables
- Variables
- Variables with example
- Read with example
- Decision Making part1

- Nested Condition
- Decision Making part2
- Operators
- Decision Making with AND, OR
- Loops
- While Loops
- Web setup script with Decision
- Tomcat Setup

Week 6: Project – Automating Multi-Tier Java web application deployment using Script

Week 7: Aws solutions Architect For Devops – L3

- Introduction To Cloud
- Getting started with AWS
- IAM – Identity Access Management
- Installing & working with AWS CLI
- EC2 Solutions Architect – Elastic Cloud Compute
- EBS – Managing Elastic Block Store
- EFS – Managing Elastic File System (NAS)
- High-Availability with AWS Load Balancer
- Auto-scaling Group and Scaling Policies
- Managing S3 Storage
- Managed Relational Database Service – AWS RDS
- Network Infra Management – AWS VPC
- AWS Route 53 & Routing Policies - DNS
- Containers on AWS – ECS
- AWS Monitoring with CloudWatch

Week 8: GIT for DevOps

- Introduction
- Versioning
- Branches & More
- Commit push & pull

Week 9: Build Tool for DevOps-Java-Maven

- Introduction
- Installing & setting with maven
- Running tests and building artifacts

Week 10: Continuous Integration Jenkins

- Introduction
- Installation
- First Job
- Tools in Jenkins
- Plugins, Versioning & more
- Nexus Software Repo Setup
- Nexus Usage
- Notifications
- SonarQube – Installation
- Jenkins Integration with SonarQube
- Setting Quality-Gates
- Code Analysis
- Slack Notification integration
- Build Pipeline & Triggers

Week 11:Automation With Ansible

- Introduction
- Setup Ansible & Infra
- Inventory & Ping Module
- YAML & JSON DevOps Engineer
- Ad Hoc Commands
- Playbook & Modules
- Modules - Find, Use, Troubleshoot & Repeat
- Ansible Configuration
- Variables & Debug
- Group & Host Variables
- Fact Variables
- Decision Making, Loops & More
- Error Handling using Blocks
- File, copy & template modules
- Handlers
- Ansible for AWS

Week 12: Continuous Delivery and Configuration Management [Jenkins plus Ansible]

- Introduction
- Continuous Integration
- Launch Staging Server
- Playbook for Tomcat Setup
- Playbook For Deployment
- Ansible on Jenkins
- Prod Deployment

Week 13: Project – CICD with Jenkins and Ansible

14: Docker Containers

- Introduction
- Docker Setup
- Docker commands & concepts
- Docker volumes
- Building images

15: Project - Containerizing Applications

16: Kubernetes – Container Orchestrator

- Introduction To Container Orchestration
- Kubernetes Setup
- Minikube Single Node Cluster
- Kops – Automated Deployment of Kubernetes Cluster.
- Pods
- Services
- NodePort
- ClusterIP
- LoadBalancer
- Replication Controller
- Managing Deployments
- Setting Up HPA-HorizontalPodAutoScaler
- Managing availability and scalability of pods
- Helm Charts

17: Java App Deployment on Kubernetes Cluster

- Introduction
- Spin KOPS-K8s Cluster
- Source Code Overview
- Deploy Database on AWS RDS
- Tomcat Deployment, Service & Init containers
- Kubernetes Troubleshooting Ideas
- URL for Website & Wrap up

18: Project – CICD with Jenkins and Kubernetes
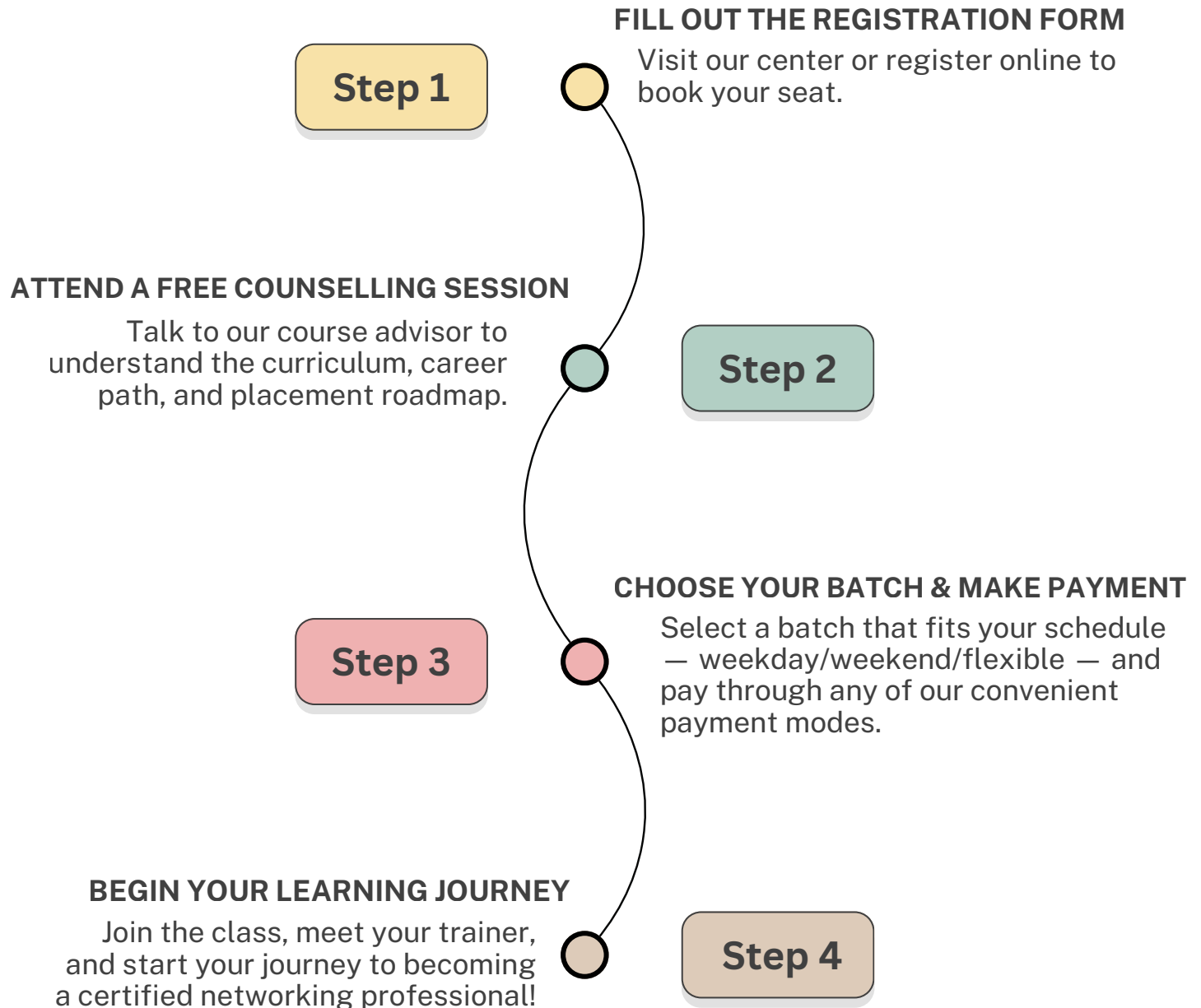
19: Terraform Tutorials

- Introduction
- Variables
- Variable types
- Provisioners
- Output
- Backend
- Multi Resource ⯈ Modules

20. Terraform IAC Project – AWS High Available & Auto Scalable Web Application deployment

Every procedure has a purpose: to help us learn better!

OUR ADMISSION PROCESS

GETTING STARTED AT INNOVATIVE ACADEMY IS SIMPLE AND STUDENT-FRIENDLY

Step 1

FILL OUT THE REGISTRATION FORM
Visit our center or register online to book your seat.

ATTEND A FREE COUNSELLING SESSION
Talk to our course advisor to understand the curriculum, career path, and placement roadmap.

Step 2

CHOOSE YOUR BATCH & MAKE PAYMENT
Select a batch that fits your schedule — weekday/weekend/flexible — and pay through any of our convenient payment modes.

Step 3

BEGIN YOUR LEARNING JOURNEY
Join the class, meet your trainer, and start your journey to becoming a certified networking professional!

Step 4

"THE SOONER YOU START, THE SOONER YOU SUCCEED."

🤝 **HOW OUR PLACEMENT TEAM SUPPORTS YOU**

AT INNOVATIVE ACADEMY, PLACEMENT ISN'T AN AFTERTHOUGHT — IT'S BUILT INTO THE JOURNEY.

1 Dedicated HR Support

Get 1-on-1 guidance from our in-house HR expert to help apply for jobs, understand interview formats, and improve communication.

2 Communication & Soft Skills Training

Build confidence with regular sessions focused on speaking clearly, answering smartly, and presenting yourself professionally.

3 Daily Job Alerts in WhatsApp Group

Access exclusive job openings, walk-ins, MNC hiring drives, and company updates posted regularly in our dedicated placement group.

4 Mock Interviews & Resume Building

Practice real-world interview scenarios and get help crafting a resume that gets noticed by recruiters.

📄 **Resume Help**

🎤 **Mock Interviews**

🏢 **Job Openings**

🤝 **HR Mentorship**
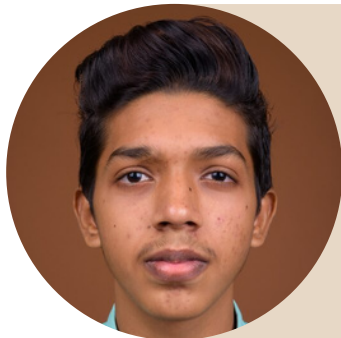
📱 **WhatsApp Support**

🗣️ **Communication Classes**

TESTIMONIALS

At Innovative Academy, we believe your background doesn't define your future—your determination does. Dozens of our students from non-technical streams like B.Com, B.A., Diploma, even Class 12, have started with DevOps Bootcamp —and today, they're confidently building Cloud Knowledge and working in IT roles across India.

"Great DevOps training at Innovative Academy! Clear concepts, hands-on labs, and supportive trainers. Helped me build real-time skills and boosted my confidence. Highly recommended for beginners and job seekers!"

- Darshan S

"Excellent DevOps course! Trainers explained each concept clearly with real-time examples. Hands-on practice made learning easier. A great place to start your DevOps journey!"

- Bhavana G

"Innovative Academy's DevOps training is top-notch! Practical sessions, expert trainers, and job-oriented content. Helped me upskill and prepare for interviews confidently!"

- Avinash

www.innovativeacademy.in

MORE INFO
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Why Choose Us?

Proven Success

Expertise

100% Placement

"From zero to Java hero—your transformation starts here."