ADVANCED DEVOPS COURSE CURRICULUM

YOUR JOB HUNTING ENDS HERE

Start your career with DEVOPS Course that gets
Your dream job!

Become DEVOPS Certified Professional

It is only skills and not degree that can help you grow. But if you are one of those individuals who believe in getting certified along with skills then we have got you covered. After completion of the training not only will you become an expert in DEVOPS but you will also be a DOCKER certified professional.

One Training Program
3 Certifications

Inventateq

- ⚙ DOCKER CERTIFICATE

- ⚙ JENKINS CERTIFICATE

- ⚙ Industry Recognized INVENTATEQ CERTIFICATE

GET TRAININD
AND
GET EMPLOYED

Inventateq

CLASS ROOM TRAINING

ONLINE TRAINING

CORPORATE TRAINING

11,709+
Trainees

500+
Batches

4.9/5
Ratings

11,709+ Success Stories

Here is what they say about INVENTATEQ.

INVENTATEQ is the best institute for Devops. The commitment and planning is simply superb and good thing is showing placements for freshers and seniors. I am pretty sure that no one can teach each concept with basics within the duration period, but Devops Faculty would teach every topic from basics.

LAVANYA

I would like to Thank Anil Sir from Inventateq for his support and guidance in the process of learning DevOps tools which helped me a lot. His way of teaching will reduce our efforts to learn. One of the best teachers I have seen..

SAKTHI

By friends reference I Joined in INVENTATEQ FOR DEVOPS. With my personal experience I am telling you friends that in INVENTATEQ DEVOPS Coaching is best .As they say me before joining they provide good coaching and even they provide me demo classes and even the faculty is very dedicated. Before joining just attend the demo classes and then see you will get to know. INVENTATEQ is having a good reputation at BTM.

BOBBY ASWANTH

I completed my Aws and Devops training course. Excellent Trainer, He taught all associate and professional certification concepts with dumps. Training gave sample projects in Amazon web services. Technically he is very strong, Had a lot patience to clear all the doubts,

SHALINI SHAIK

12,709+ Success Stories

Here is what they say about INVENTATEQ.

Inventate is the best institute I have ever seen. It is the best platform to learn DEVOPS. And the greatest thing I got there was to take the training under 'Anil SIR'. I don't have words to describe how lucky I am feeling to be inventateq student. He is not just best he is FABULOUS sir for me. He is very supportive, helpful and always there to clear our doubt.

RAJITHA N

It was a great experience. One of my best teacher in the lifetime. if you want to understand the DEVOPS, this is the only place which is capable to handle all the topics in a simple manner. Sir teaching method is too good, the way sir interacting with students that is amazing, any1 can understand. If anyone want to learn DEVOPS, in my suggestion go and join class**.**

NANI RAJ

I have joined "DEVOPS" course in inventateq. The Trainers are teaching well and also clarifying our doubts. I got lot of knowledge in the devops. I have recommended for my friends to join. I also recommend those who want join in inventateq.
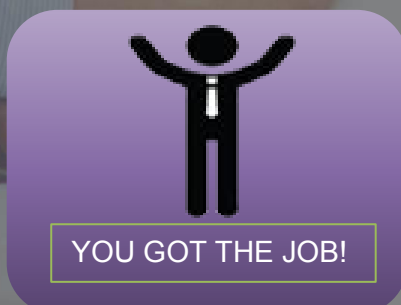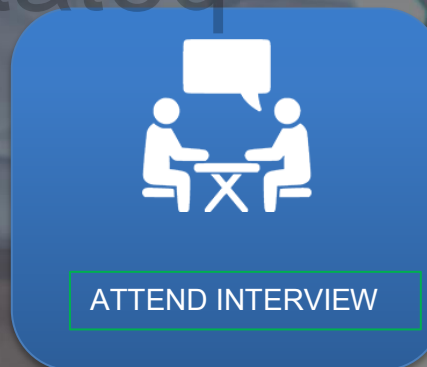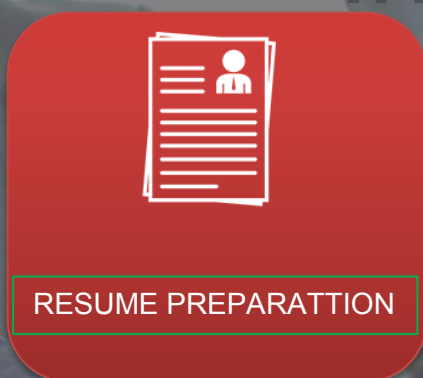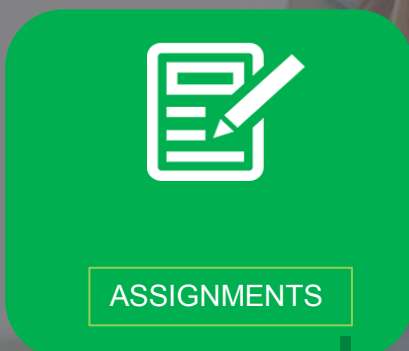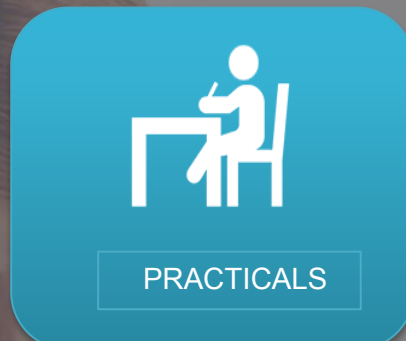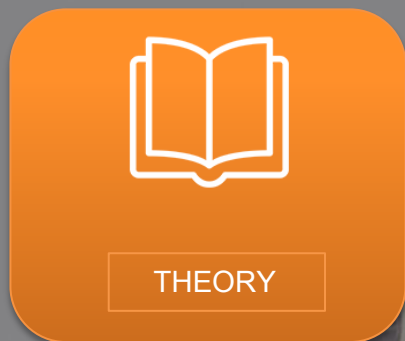
REVANTH

I have been trained on Devops here. I will definitely recommend joining for the course as trainer has got great skills and abundant knowledge on the concepts . Thanks to INVENTATEQ for the support. Amazing place to learn ...

SHAKER GADE

Training Process

THEORY	**+**	**PRACTICALS**
ASSIGNMENTS	**+**	**CERTIFICATION**
RESUME PREPARATTION	**+**	**ATTEND INTERVIEW**
	=	
YOU GOT THE JOB!		

Detailed Course Syllabus

Module -1: DevOps Essentials

- ➢ Why DevOps?
- ➢ What is DevOps?
- ➢ DevOps Market Trends
- ➢ DevOps Engineer Skills
- ➢ SDLC Models and Methodologies
  - • Waterfall Vs Agile and LEAN
- ➢ DevOps delivery pipeline
- ➢ DevOps Ecosystem/Tools
- ➢ Deployment Devops over AWS cloud

Module -2: UNIX , Shell Scripting

- ➢ UNIX File System Architecture
- ➢ Unix Commands
- ➢ Basic and advance Permission
- ➢ User and group Administration
- ➢ Installing JDK,Tomcat Configuration
- ➢ LAMP Configuration
- ➢ Script:
- ➢ Find,Grep,Sed,AWK
- ➢ Shell Scripting

Module -3: GIT , ANT and Jenkins

- Why Version control system
  - Distributed VCS
- Differences between SVN and GIT
- Basics of GIT
- Staging and Remotes
- Cloning , Merging and Branching
- History and configuration
- List of all GIT commands
- GIT Online Repositories (Push and Pull)
- ANT Installation and Configuration
- Build Management Through ANT
- What is Continuous Integration (CI)
- Benefits of CI
- CI Practices
- CI Tools
- Typical Setup for Continuous Integration
- Jenkins Continuous Integration
- Jenkins Features
- Installing Jenkins as a Windows Service
- Jenkins Installation Instructions
- Running Jenkins on an Application Server
- Configuring Source Code Management (SCM)
- Working with Subversion
- Configuring Jenkins jobs
- Build Triggers
- Polling the SCM
- Ant Build Steps
- Securing Jenkins
- Configure Authentication

- Using Jenkins Internal User Database
- Creating Users
- Authorization
- Jenkins as Plugin
  - Introduction to Jenkins plugins
  - Installing Jenkins plugins using interface
  - Demo: Installing 'Role Strategy Plugin'
  - Jenkins Plugins - SCM
  - Jenkins Plugins - Build and Test
  - Jenkins Plugins – Analyzers
- Distributed Builds with Jenkins
  - Jenkins Distributed Build Overview
  - Need for Distributed Build
  - Distributed Build Architecture
  - Steps to add a Linux Slave Node
  - Demo: Configuring a Ubuntu Slave Node

Module -4: Configuration Management (Chef)

- Introduction to Configuration Management(Infrastructure as code)
- Briefing on various Configuration Management tools(Puppet, Chef, Ansible,saltstack)
- Ruby Basics
- Chef Terminologies
- Resources
- Cookbooks
- Ohai
- Templates
- Lab – Developing a Webapp cookbook
- Workstation installation
- Signing up for Managed Chef
- The Chef server
- Community cookbooks

Module -5: Cloud Computing and Containerisation (Docker)

- ➤ What is Cloud Computing? Why it matters?
- ➤ Traditional IT Infrastructure
- ➤ Cloud Infrastructure and Cloud Advantage
- ➤ Cloud Segments: IaaS, PaaS, SaaS
- ➤ Cloud Deployment Models
- ➤ AWS Services
- ➤ Security & Identity Services
  - • Identity Access Management (IAM)
  - • IAM Features • Getting Started With IAM
  - • Creation of user, groups, roles
  - • Managing policies
- ➤ Compute Services Elastic Compute Cloud (EC2)
  - • What is Amazon EC2?
  - • Features of Amazon EC2
  - • Managing the EC2 infrastructure
  - • EC2 Dashboard
  - • Pricing for Amazon EC2

- ➤ Regions and Availability Zone Concepts
  - • Describing Regions
  - • Availability Zones, and Endpoints
  - • Managing instances in an Availability Zone
- ➤ EC2 Instances
  - • Instance Type
  - • Instance life cycle
  - • Differences between reboot, stop, and terminate
  - • Building an EC2 windows and linux instances
  - • To install instance in public and private subnet
  - • Security via Key Pairs
  - • EC2 Class and VPC Security Groups
  - • Managing Elastic IP's
- ➤ Amazon Elastic Block Store (EBS)
  - • Features of Amazon EBS
  - • Amazon EBS volumes
  - • Managing EBS volumes
  - • Increasing the volume size
  - • Amazon EBS snapshots

- ➢ Amazon S3
  - What is object Storage?
  - Data as objects
  - Lifecycles of S3
  - Managing Buckets
- ➢ Amazon Glacier
  - Low-cost storage service
  - Storage for data backup and archival
  - Pricing model for Glacier storage
- ➢ EFS Elastic File System
  - Creating EFS and Configuration in unix
  - Amazon Virtual Private Cloud (VPC)
  - What is Amazon VPC?
  - VPC Essentials
  - Default and Nondefault VPC
  - VPC Networking and ACL
  - Security Groups
  - Subnet Routing
  - VPC Internet Gateway
  - Elastic IP addresses and network interfaces

- VPC integration with many other AWS services
- Creating a NAT instance in a VPC
- Configuring a Web application in VPC
- ➢ Elastic Load Balancing
  - Creating a load balancer
  - Concept of Target group.
- ➢ Deployment Devops on cloud.
- ➢ Docker :
- ➢ What and Why of Containers?
- ➢ Introduction to Docker
- ➢ Installing Docker
- ➢ Basic Docker Commands
- ➢ Building Docker Images
- ➢ Docker Registry

Module -6: Continuous Monitoring – Using Nagios

➢ Nagios Introduction

➢ Nagios Architecture

➢ Nagios Plugins

➢ Nagios Commands

➢ Nagios Notification

Inventateq

Hands-on Lab for every module.

POPULAR COURSES FROM INVENTATEQ

INVENTATEQ — Enter as Trainees.... *Exit as Professionals*

100% JOB ORIENTED TRAINING COURSES WE PROVIDE

❖ Digital Marketing (SEO/Social Media/PPC Google Adwords)	❖ BigData Hadoop Course	❖ Software Testing Course, Manual Testing, QTP, UFT, Loadrunner
❖ Best SEO Training	❖ Spark and Scala Course	❖ Block Chain Training Courses
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❖ Data Science Courses	❖ Weblogic Training	❖ Java course
❖ RPA Training	❖ .NET Technologies	❖ Machine Learning Certification Training
❖ Internet of Things IoT Training	❖ SOA Suite 11g	❖ C C++ Course
❖ Microsoft Azure Training	❖ Oracle DBA Training	❖ Tableau
❖ Data Warehousing - Informatica	❖ Oracle SQL, PLSQL, DBA, D2k, Apps	❖ PHP MYSQL, Python
❖ Selenium Training	❖ ETL Testing Course	❖ Human Resources Classes
❖ IBM Cognos 10 BI & Cognos TM1	❖ PPC Training Institute	❖ Microstartegy Course
❖ Qlikview (Deisgner, Developer, Publisher, Server)	❖ Autodesk Revit Training	❖ Cisco CCNA Networking
❖ IBM Websphere	❖ Autodesk CAD 2d and 3d Course	❖ SAS Training
❖ Learn ODI 11g	❖ Catia Training	❖ Softskill Courses
❖ Python Training	❖ Wiring Harness Training	❖ ITIL Certificate Training
❖ Abinitio Classes	❖ Content Writing Training	❖ SAP Courses
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