

# JENKINS COURSE SYLLABUS

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**Hi Folks,**

Oranium Tech introducing some amazing content on Jenkins. Jenkins is an open-source continuous integration/continuous delivery and deployment (CI/CD) automation software DevOps tool written in the Java programming language. It is used to implement CI/CD workflows, called pipelines.

## **Introduction to Jenkins & CI / CD**

- Software Development processes
- Jenkins platform overview
- What is Continuous Integration?
- What is Continuous Delivery?
- What is Continuous Deployment?
- Key Features
- Jenkins Pipelines
- Build automation basics
- Continuous Deployment / Delivery
- Declaring your project language (Java, JavaScript, Python, PHP, Ruby)
- Running multiple steps
- Recording and reporting test results
- End of pipeline tasks
- Creating a Project in GitHub
- Forking / Cloning from your repository
- Creating your Pipeline
- Adding a Test stage
- Adding a Deliver stage
- Cleaning up

## **Jenkins in production**

- Using a Jenkins file
- Job chaining visualization
- Shared libraries

- Running Jenkins in a Docker container
- Deploying Jenkins using Kubernetes
- Pipeline Development tools
- Package management
- Managing Users
- Jenkins security considerations

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Looking for Classroom Training learn Jenkins Course at your nearest location in Chennai

Also, you can learn from anywhere and take Jenkins online.

All The Best

Phone / WhatsApp Details / Mail Id

**CHROMPET** : 73053 43555 [whatsapp](#) / oraniumtech@gmail.com

**VELACHERY** : 73052 77748 [whatsapp](#) / oraniumtechvh@gmail.com

