



CI/CD – Continuous Integration/ Continuous Delivery Training Curriculum

— STRUCTURE —



CI/CD Training Curriculum

“Automating software delivery is key to success that is possible with CI and CD concepts in latest software development processes.”

About Croma Campus:

Croma Campus Training & Development Private Limited is an education platform since 2010 providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty and industry.

- Hands-On Live Projects
- Simulation Test Papers
- Industry Cases Studies
- 61,640+ Satisfied Learners
- 140+ Training Courses
- 100% Certification Passing Rate
- Live Instructor Classroom / Online Training
- 100% Placement Assistance

Course Objectives:

- Know about challenges in traditional software development and how CI/CD can help it.
- Learn about continuous integration and its significance
- Learn about continuous delivery and continuous deployment
- Automation of software delivery processes
- Various CI/CD tools and DevOps framework

Course Description:

Automating software delivery is key to success. This course will teach you that continuous integration and continuous delivery can help your organization make better software, release faster, save money, and respond faster to customer needs.

Croma Campus Training Program Deliverables:

- **Session Recordings** - Original Class Room Voice & Video Recording
- **Training Material** - Soft Copy Handbooks
- **Assignments** | 25+ Hands-on Exercises
- **Test Papers** - We provide **Practice Test** as part of our course to help you prepare for the actual certification exam.
- **Live Case Studies**
- **Live Projects** - Hands-on exercises and Project work. You will work on real time industry-oriented projects and assignments for each module to practice.
- **Key focus on Hands-on exercises and Project work.** You will work on real time industry-oriented projects.
- Faculty with more than **10+ Years of Experience** in the Industry.
- **Technical Resume Designing & Job Assistance:** With more than 100+ Clients across the Globe and we help learners to get a good job in their respective field. We also help learners with resume preparation.
- **Interview Q&A**

- **About Croma Campus Training Certificate:** Croma Campus will provide you with an industry-recognized (Certified by ISO 9001:2015 & E-Cell IIT Jodhpur) course completion certificate which has lifelong validity.
- **How I Unlock my Croma Campus Certificate:** Attend Complete Batch & Submit at least One Completed Project.

Course Content:

Module 1: Overview

- Course introduction
- Traditional Software Development
- Challenges in Software Development
- How to overcome these challenges?
- Exploring current business scenario
- What can you improve?
- Know about automation
- What can you Automate?
- Basic terms and terminologies

Module 2: Continuous Integration

- Focus on the business problem
- Understand continuous integration concept
- Significance for CI for businesses
- Pros and Cons

Module 3: Continuous Delivery

- What is Continuous Delivery?
- Focus on the business problem
- Significance for CI for businesses
- Pros and Cons

Module 4: Continuous Deployment

- What is Continuous Deployment?
- Building the continuous deployment process
- Automated Deployment Pipeline
- CI/CD Tool Selection
- Various Tools based on CI/CD concept

Module 5: CI/CD Implementation

- Introduction
- Understand the objective/What you want to achieve?
- Implementing CI
- Implementing CD

Module 6: DevOps

- DevOps: Best CI/CD platform
- DevOps best Practices
- DevOps benefits for businesses
- DevOps tools
- Know about Jenkins
- Jenkins installation
- Know about Git
- Git Installation
- Know about Maven
- Maven Installation
- More similar tools basics
- Summary