# CROMA CAMPUS

## Training Program

# Appium Certification Training

**1.2 Million** Learners

**1-1 Personlized** Mentorship

**60% Average** Salary Hike

# About **Program**

**Learning Format**
Online / Offline

**Trainer**
Industry Professionals

**Career Services**
By Croma Campus

Our course content has been specifically designed to turn you into a skilled professional in this industry. As a part of your certification training, you will receive enough study material and recorded video sessions that will help you cover all the latest trends and features in this course. The training session will comprise important sections, features, advantages, and scope of the technology in the coming years. Moreover, our qualified trainers will help you imbibe all the required skills, and information in a much better manner to help you in you becoming an expert in this technology. Post the completion of your course, you will receive a training certificate recognized world-wide.

# What Make Us **Tick**

### Career-oriented Sessions
Attend 25+ career-oriented sessions by industry mentors and prepare your career trajectory

### Profile Building
Craft a resume and LinkedIn profile and make an impression on top employers

### Mock Interview Preparation
Prepare with mock interviews including most asked questions by top employers

### 1:1 Mentoring Sessions
Get 1:1 guidance at every step in your career transition to respective Technology

### Dedicated Job Portal Access
Get exclusive access to 100s of job postings per month on Croma Campus Intellipaat's job portal

### Guaranteed interviews
Get job interviews with 400+ hiring partners including promising startups and top MNCs

# Appium **Training Curriculum**

## ✅ Introduction to Appium

- Introduction to Mobile Automation
- Various tools for mobile application?
- What is Appium?
- What all can be tested with Appium?
- WebDriver Wire protocol
- Hybrid Apps, Native Apps and WebApps
- Concept of UIAutomator
- When to use Selendroid and when to use Appium
- IOS-driver
- Drawbacks and Limitations
- What is seledroid
- Difference between Appium and Selendroid
- How things came into being
- What should I learn?
- Appium Internal Architecture

## ✅ Download and Configure Appium/Maven Dependency

- Configuring Appium on real device
- Why work on real device?
- Download and Configure Android on local machine
- Understanding difference between Api level and Android version
- API levels and Android versions supported by Appium supported by android
- Getting correct API level for Android
- Getting correct Android version in Phone – Provider dependant
- Enabling developer mode
- Debug level settings in Phone
- Connecting phone and making sure it's being detected in DDMS(Pdanet software)
- Install Node JS
- Install Microsoft Dot Net framework
- Download Appium
- Configuring Various versioning/API level requirements for Appium
- Starting Appium Server from Console
- Starting Appium Server from command prompt
- Various command line arguments for Appium

- Running your first Appium Program
- Configuring Appium on Simulator
- Installing Simulator
- Running first Script on Simulator
- Maven dependencies
- Various Maven/POM dependencies for Appium
- Downloading/Configuring Appium, Selenium from Maven/POM dependencies

## ✅ Launching Hybrid/Native Apps with Appium

- Desired Capabilities for Appium and Android
- Concept of Apk file, AppActivityName and AppPackage
- How to get Apk file, AppActivityName and AppPackage for any application
- Is Apk file necessary to test App – Not in all cases
- Javadocs for Appium
- AppiumDriver and RemoteWebDriver classes
- Launching System Hybrid Apps
- Appium reinstalls App
- Preventing Appium from deleting and reinstalling App
- Launching other user installed Hybrid Apps
- Launching native Apps like calculator, Contacts, Settings
- Always quit Appium – Mandatory

## ✅ Identifying Elements-1

- Concept of UI Automator
- Understanding Android Layouts
- Tag name not supported
- android.widgit.* – everything starts from here
- Find Element and FindElementByAndroidUIAutomator
- Using UISelector Class in UIAutomator API
- Finding by Classname
- Detecting presence of Elements
- Building Xpaths
- Challenges faced in finding Elements and Workarounds
- Using Android UI Automator'sUISelector() and its functions
- Hiding Keyboard
- Waiting – Implicit and explicit waits
- Using UI Automator in Compressed layout

## ✅ Identifying Elements-2

- Finding multiple Elements
- Finding Elements inside Elements
- ComplexFind and Mobile Element
- Finding Elements with Multiple criteria using Complex Find
- Selector Key codes
- Finding elements by text using AndroidUIAutomator commands
- Using Assertions
- Handling Date Elements/Objects
- Selecting element in Spinner
- Finding selected Elements
- Getting Value from Text View
- Finding selected Elements & Clear value of a Text View

## ✅ XML Viewer

- Getting and storing the Android App XML view
- When to use android xml view
- Launching XML View from WebDriver
- Finding Elements in XML view
- Finding Scroll List elements in XML View
- you can do anything with XML View
- Limitations of XML view
- Touch Actions
- Touch Events
- Android key events like home, backspace, delete etc.
- Wait Actions
- Dragging and dropping elements
- Multitouch Actions
- Simulating multiple gestures
- Longpress and delete elements
- Handling Toggle buttons
- Pinching, tapping, holding

## ✅ Web Application Testing

- Launching browser with Appium
- Making sure you have the correct desired capabilities
- When launch fails
- Firing various commands on browser

- Will UIAutomator work here?
- How do I identify objects in mobile browser?
- Will AppiumDriver commands work on browser?
- WFinding and setting user agent

## ✅ Appium First Program
- Android App download for practice
- What are desired capabilities? How to talk to appium server
- Invoking Android Driver- Creating base program
- Execution of Appium first program on Mobile Native APP
- Appium desired capabilities code download
- UIAutomator tool usage-Inspection of elements

## ✅ Native Apps Automation
- Automating app UI Using Xpaths and text attributes
- Appium API's for UI interaction with id's and classNames
- Handling Mutiple similar objects of Apps with indexes
- AndroidUIAutomator usage in identifying objects of Apps
- TouchActions in Appium (Gestures Automation -1)
- Tapping and longpress events (Gestures Automation -2)
- Strategy for automating Swipping event(Gestures Automation -3)

## ✅ Advanced Gestures Automation with Key Events Handling
- Events Handling
- Demo on swapping the clock- Practice exercises
- How to automate scrolling? Gestures Automation -5
- Drag and drop on Native Apps with Appium (Gesture Automation -6)
- Automating Android Key Events with Appium
- Miscellaneous key Events handling with Appium
- Invoking App with package Activity
- Example on package name and Activity Invoking apps
- Automation on real devices

## ✅ Web Apps Automation
- Mobile Browser Configuration setup for Appium Tests
- Code for Mobile Browser capabilities
- Automating the Chrome Mobile Browser

## ✅ Practical Problems and solutions with Mobile Browsers

- Identifying frames from Html view
- Element Hidden or Invisible-How to validate
- Writing Generic functions to Identify Frames/Windows
- Example Demonstrating Multiple Frames
- Handling Auto suggestive dropdown options
- Dynamic data loading- Exception Techniques

## ✅ Hybrid Apps Automation

- Hybrid Apps features and ways to test them
- Views switching Mechanism
- Example on Hybrid App handling

## ✅ Appium Framemwork-Learn TestNG

## ✅ Integrating TestNG with Maven

## ✅ Pageobject Pattern & Page Factory

## ✅ Data driving from Excel for feeding data into Appium Test Cases

## ✅ Logging Framework - log4j

## ✅ Database connection to Selenium/Appium Test Cases

# e-Learning through **LMS**

## Learning **Management System**

Our LMS (LearnPitch) is for the administration, documentation, tracking, reporting, automation, and delivery of educational courses, training programs, or learning and development programs.

Our LMS has been designed to identify training and learning gaps, using analytical data and reporting to keep you up with the class activities.

## Key Features **Learning Management System**

Live Sessions with Class recordings

Track your class wise attendance

Get study material with Assignments.

Share your feedback for Trainer & Training

Track your curriculum covered.

Get your Training Certificate from LMS

# Training **Certification**

## Earn Your **Certificate**

Your certificate and skills are vital to the extent of jump-starting your career and giving you a chance to compete in a global space.

# Croma Campus! **Reviews**

"The most rewarding part of my experience has been achieving a prestigious certification in the subject that I love. Moreover, the training offered out by the specialists are of world-class and prepares out the students for corporate world. For me Croma Campus means a lot."

" **By The** *Students* **For The** *Students* "

## Your Success Is **Our Story**

### Bharat
" I am fully satisfied with the excellent training services received by the expert staff at Croma Campus. I want to thank Croma Campus for providing me with the most innovative and affordable training services for learning all the software testing procedures and guidelines. "

### Ankit
" It was a lifetime experience for me to get trained by IT Experts of Croma Campus. What I liked most about the training was the consistent high-quality education, which was friendly and co-active. The placement department was also proactive, they keep me updated regarding new job opportunities and provide the grooming session to crack the interview. At last, I would like to thank all faculty members of Croma Campus for their immense help and support. "
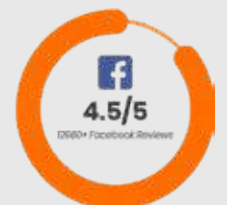
### Nitesh
" Without any second thought, I will give Croma Campus 10/10. Their placement department is highly proactive. I remember they started scheduling interviews for me from the very next day when I told them my course has been completed. These people are doing a phenomenal job and I highly recommend Croma Campus to everyone. "

### Shams Khan
" Croma Campus is doing a phenomenal job in the IT training industry. The reason why I decided to join their training program was that they provide quality training at very a nominal price. Plus, the online training mode was also a factor due to which I decided to join the training program of Croma Campus as I didn't want to attend physical classes. "

G 4.2/5 1020+ Google Reviews

4.8/5 1224+ Sulekha Reviews

4.6/5 1034+ Urbanpro Reviews

Jd 4.3/5 1294+ Just Dial Reviews

f 4.5/5 1360+ Facebook Reviews

# Meet Our Team



## Sales Team

Our Sales team is highly passionate, emphatic, positive attitude, great listening skills, ability to deliver quick solutions, and they are multitasker too. Our team always remains up-to-date about all the latest technologies and market trends. With effective communication skills, they always work to deliver the right information to customers when it is needed.

## Product Team

Our product team is highly functional and collaborative working together to achieve the common outcome of designing exceptional digital experiences. Each of our members is a contributor to help us achieve success in long-run. Sitting at the high-end of technology and innovation, team helps to deliver high-end customer experiences and always comes out with a big idea as a game-changing plan.

## Marketing Team

Our Marketing team works as gladiators and helps us to achieve business success in all possible ways. They are included in almost everything either it is building a brand, creating brand awareness, promoting products or services, delivering trailblazing customer experiences or increasing engagement at public forums. They are the true backbone of the Company.

## Content Team

Our content team is responsible for ideation, creation, optimization, and distribution of content throughout the company. The team always starts its work with a strategy, how to create high-quality contents, and how to promote or share the content. Our in-house content team help us to produce all types of contents either they are educational content pieces, marketing content, SEO content, or any other forms too.

## Customer Access Team

This is the team that has actually been taken up us from reactive state to a pro-active state. The team utilizes high-valued solutions to satisfy customers in all possible ways. It is truly said that no company can succeed if your customers are not satisfied. And our customer success team is dedicatedly working to keep all the customers satisfied and we always consider our customer feedback on priority.

## HR Team

Our HR team is committed to provide high-end solutions to employees as they require. Our HR team has the right skills and knowledge to make sure that the HR department can always be legally and strategically successful. They know how to keep employees motivated all the time with the best HR policies and fun activities too from time to time.
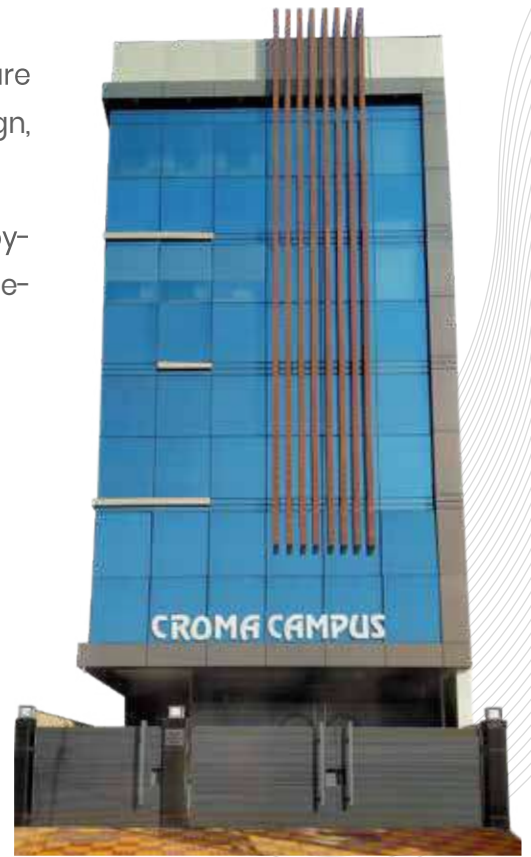
# Glimpse Of **Our Office**

## Look **Who We are**

Our office's infrastructure comprises all the necessary software and network resources that are required to deliver IT & Design, Human Resources, Digital Marketing, and training services.

We are well-equipped with bright designed work bays for employees and managers having separate cabins with spacious cafeteria and training classrooms.

# About **Croma Campus**

**" Our Mission is to Build Nation through Education & Beyond Limitation. "**

Croma Campus Training & Development Private Limited is an education platform providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty, industry & Infrastructure. In the past 12 years we have trained 18000+ candidates and out of which we are able to place 12000+ professionals in various industries successfully.

We Are Affiliated With Different Partners

ISO

MSME

N·S·D·C National Skill Development Corporation
Transforming the skill landscape

GST

startupindia

Ministry Of Corporate Affairs Government of India

PMKVY

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## REACH US:

**Croma Campus Training & Development (P) Ltd.**

📍 G-21, Block G, Sector 3, Noida, Uttar Pradesh - 201301

📞 +91-9711-5269-42 | ☎ +91-0120-4155255

✉ helpdesk@cromacampus.com | 🌐 www.cromacampus.com

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