



Softcrayons

AUTOMATION TESTING

**Empowering minds
shaping futures**



PROFESSIONAL CERTIFICATION IN

AUTOMATION TESTING



PROSPECTUS



Key Advantages of Choosing Softcrayons

FOR STUDENTS

Supplemental Learning Resources: Softcrayons offers offline and online courses, educational materials, and additional resources that can complement and enhance college students' learning.

Skill Development: Softcrayons offer courses and certifications focused on developing specific skills that are in high demand in the job market.

Career Exploration: Softcrayons offer a wide range of courses across various disciplines, enabling college students to explore different fields and potential career paths.

Industry Relevance: Softcrayons frequently collaborates with industry professionals and experts to ensure that the knowledge and skills imparted are relevant and aligned with current industry practices and trends.

FOR FREELANCER & JOB SEEKER

Flexibility: Softcrayons offers online courses and programs that can be accessed from anywhere.

Skill Development: To acquire in-demand skills according to the latest industry trends and technologies to stay competitive in the job market.

Key Advantages of Choosing Softcrayons

Certifications: Softcrayons provides you with Professional Certifications and helps you with Resume Enhancement.

Career Support: Softcrayons also offers career counseling and job placement assistance, which can be invaluable for freelancers seeking new projects or job seekers looking for employment.

FOR ENTREPRENEURS AND BUSINESS OWNER

Upskilling and Reskilling: As the business landscape evolves rapidly, Softcrayons ensure that you stay up-to-date with the latest trends, technologies, and best practices.

Flexible Learning: Online courses offered by Softcrayons allow you to learn at your own pace, fitting your studies around your busy schedules.

Entrepreneurial Skills Development: Softcrayons offers courses and programs specifically designed to help entrepreneurs develop essential skills.

Cost-effective: Softcrayons provides more affordable learning options that help you invest in your professional development without straining your budget.

About The Program



Softcrayons offers a comprehensive Automation Testing Training course designed to prepare students for a successful career in the field of software testing automation. The course covers the latest tools and techniques used in automation testing, enabling students to automate test processes effectively and efficiently. The primary objective of this course is to equip students with the skills necessary to design, write, and execute automated tests. The training focuses on practical applications, ensuring that students can automate testing processes and contribute to the efficiency and quality of software development projects.



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1 JAVA PROGRAMMING (10 DAYS)

- Introduction to Java
- Java Features
- Java Fundamentals
- Class vs Object
- Java Hello Code
- Variables in Java
- Datatypes in Java
- Type Casting in Java
- Wrapper Classes
- Constructor
- Methods in Java
- Scanner Class for Input
- Control Flow Statements
- Loops in Java
- String Class
- Arrays in Java
- Encapsulation
- Polymorphism
- Abstraction
- Inheritance
- Interface in Java
- Collection Framework (List, Set, Map)
- Exception Handling

2 SELENIUM WITH JAVA (12 DAYS)

- Selenium WebDriver Introduction
- WebDriver Architecture & Installation
- First Test Case Execution

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- **Running WebDriver on Chrome and Firefox**
- **Web Elements and Operations**
- **Java Fundamentals**
- **Browser and Navigation Commands**
- **Locators (Id, Name, Xpath, CSS, Class, etc.)**
- **Difference Between Find Elements and Find Element**
- **Dynamic Xpath and CSS Selectors**
- **Handling Web Controls (Text box, Button, Checkbox, etc.)**
- **Static and Dynamic Dropdowns**
- **Headless Browser Tests**
- **Alerts, Frames, and Windows**
- **Assertion in WebDriver**
- **Action Class in WebDriver**
- **Synchronization in Selenium (Implicit, Explicit, Fluent Wait)**
- **Selenium 4 New Features**
- **Handling Dropdowns and Parent Frame**

3 MAVEN FRAMEWORK (2 DAYS)

- **Maven Introduction**
- **Maven Installation (Eclipse and Windows)**
- **Integrating Maven with Selenium WebDriver**
- **Creating a Maven Project**
- **Continuous Integration with Maven**
- **Continuous Integration with Maven**

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4 TESTNG FRAMEWORK (2 DAYS)

- Introduction to TestNG
- TestNG Installation
- First TestNG Test Case
- TestNG Annotations and Sequencing
- Dependency & Priority
- TestNG Suite Creation

5 JENKINS (1 DAY)

- Jenkins Project Overview and Setup

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TRAINING CURRICULUM

1 Java Programming (20 Topics)

- **Total Topics: 20**
- **Estimated Time: 10 days (2 topics per day, assuming 1-2 hours per topic depending on complexity)**

– Day 1-2:

- Introduction to Java
- Java Features
- Java Fundamentals
- Class vs Object
- Java Hello Code
- Variables in Java

– Day 3-4:

- Datatypes in Java
- Type Casting in Java
- Wrapper Classes
- Constructor
- Methods in Java
- Scanner Class for input

– Day 5-6:

- Control Flow Statements
- Loops in Java
- String Class
- Arrays in Java

– Day 7-8:

- Encapsulation
- Polymorphism
- Abstraction
- Inheritance

– Day 9-10:

- Interface in Java
- Collection Framework (List, Set, Map)
- Exception Handling

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TRAINING CURRICULUM

2 Selenium with Java (35 Topics)

- Total Topics: 35
- Estimated Time: 12 days (3 topics per day)

– Day 11-12:

- Selenium WebDriver Introduction
- WebDriver Architecture & Installation
- First Test Case Execution

– Day 13-14:

- Running WebDriver on Chrome and Firefox
- Web Elements and Operations
- Browser and Navigation Commands

– Day 15-16:

- Locators (Id, Name, Xpath, Css, Class, etc.)
- Difference between Find elements and Find element
- Dynamic ways for Xpath & Css selectors

– Day 17-18:

- Handling Web Controls (Text box, Button, Checkbox, etc.)
- Static and Dynamic Dropdowns
- Headless Browser Tests

– Day 19-20:

- Alerts, Frames, and Windows
- Assertion in WebDriver
- Action Class in WebDriver

– Day 21-22:

- Synchronization in Selenium (Implicit, Explicit, Fluent Wait)
- Selenium 4 Features
- Handling Dropdowns, Parent Frame, etc.

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TRAINING CURRICULUM

3 Maven Framework (6 Topics)

- Total Topics: 6
- Estimated Time: 2 days (3 topics per day)

– Day 23:

- Maven Introduction
- Maven Installation (Eclipse and Windows)
- Integrating Maven with Selenium WebDriver

– Day 24:

- Creating a Maven Project
- Continuous Integration with Maven
- Configuration in Maven

4 TestNG Framework (7 Topics)

- Total Topics: 7
- Estimated Time: 2 days (3-4 topics per day)

– Day 25:

- Introduction and Installation
- First TestNG Test Case
- Annotations and Sequencing

– Day 26:

- Dependency & Priority
- TestNG Suite Creation

5 Jenkins (1 Topic)

– Day 27:

- Jenkins Project Overview and Setup

PLACEMENT COMPANIES



Testimonials of Students



Sukhpreet Kaur

2 reviews

★★★★★ 2 weeks ago **NEW**

Hlo mam I'm Sukhpreet your Softcrayons taining institute in student my training is digital marketing course 😊 I'm very becoz I'm digital marketing beginner but my experience to much becoz my trainer is very intelligent and supportive and nature is very friendly 😊



Manish Malik

1 review

★★★★★ 2 weeks ago **NEW**

I'm new student in softcrayons my starting classes all gud my softcrayons experience to much better becoz my trainer is very experienced



Aman Bhardwaj

2 reviews

★★★★★ 5 months ago

I am Aman Bhardwaj, Recently I completed a Digital Marketing course from Softcrayons. After completing my course I got a placement at SNVA Ventures with a good salary package. If you want to do a course and boost your career in the Digital Marketing field. I will recommend you visit Softcrayons. If I talk about the environment and faculty then Softcrayons have a very good and friendly environment and their faculty is highly experienced in the Digital Marketing field. Specifically, Yashvant sir is one of the best trainer and they have great experience in the Digital Marketing field. Thank you Softcrayons and all staff who helped me boost my career in the Digital Marketing field.



Shivam Sharma

1 review

★★★★★ 2 months ago

I got the chance to study with the best teacher and they provided me a good career guidance. a veryb great place to learn programming and start your career.



Lalita Tiwari

1 review

★★★★★ 5 months ago

I heared about softcrayons through friends and I enroll myself here, and done my course. I suggest you all to join softcrayons. Hope you do great.



Tanish Chandrawal

5 reviews

★★★★★ 5 months ago

It is good institute, practical oriented practice is very good. This institute is very useful for graduate students to make carrier in IT. 100% job guarantee is available for all students.Very good Institute for Cloud Computing like Azure, AWS, GCP.



Aman Vishwakarma

2 reviews

★★★★★ 2 months ago

Hie guys I'm aman softcrayons institute students for AutoCAD.. softcrayons institute is best training institute sarfaraz sir is best teacher for softcrayons. And best institute softcrayons



SOFTCRAYONS®



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