Introduction to Test Automation Essentials (TT3511)

Category: Software Development & Programming | **Vendor:** Trivera Tech

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Introduction to Test Automation®is a one-day, hands-on event designed to provide participants with the skills required to develop a custom test automation plan and architecture for their organization. Throughout the course, students will examine and work through various practical examples, learning how to create an integrated test automation plan and develop a test automation architecture.®

About This Course

Introduction to Test Automation is a one-day, hands-on event designed to provide participants with the skills required to develop a custom test automation plan and architecture for their organization. Throughout the course, students will examine and work through various practical examples, learning how to create an integrated test automation plan and develop a test automation architecture. Participants will also learn about the possible real-world challenges they may face while trying to accomplish their goals, exploring the practical positive aspects of engaging their technical team, along with the possible frustrations of experiencing too much isolation between test automators and test designers.

Guided by our expert facilitator, students will:

- Learn the approaches that ensure your current test tools®®and new test tools you acquire or develop®®will work well with existing testing and application lifecycle software.
- Explore approaches qualitatively and quantitatively measuring the value of automation.
- Develop an integrated test automation plan and architecture specifically for their organization
- Explore proven steps for assessing their current test automation state and defining a future test automation roadmap and architecture
- Get access to templates and examples they can use to draft their own test automation plan
- Leave with a draft plan and architecture that they can begin to implement

While several test automation frameworks will be presented and discussed, this course focuses on helping students assess their current automation state, identify gaps, and develop an automation plan and integrated tool architecture. Students will also explore and receive templates and resources to get them started on their journey toward developing a more comprehensive strategy, plan, and integrated tool architecture. The goal is for attendees to be able to draft a plan specific to their organization so they can get real work done in parallel with the real-time learning experience.

Who Should Attend

The content is appropriate for test automation engineering roles, test manager roles, test lead roles, test architect

roles, as well as developer roles getting started with Test Automation.

Prerequisites & Entry Requirements

General Prerequisites:

The content is appropriate for test automation engineering roles, test manager roles, test lead roles, test architect roles, as well as
developer roles. This course assumes you have a foundational understanding of testing and the purpose of automation. This course
will be beneficial to anyone who is accountable for assessing, planning, designing, and implementing an integrated set of technology
(testing infrastructure) that supports development, testing, and deployment.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Working in an interactive learning environment, led by our expert facilitator, attendees will learn to:

- Document the current state of test automation in your organization
- Define a custom test automation plan and architecture to fit their situation
- Create an initial implementation plan
- Identify initial key measures
-Develop a metrics dashboard for tracking the value of test automation
- Lay out a future strategy and roadmap to get there

Detailed Course Outline

Getting Started

Automation beginnings

Software as a series of imperfect translations

The Compelling Business Needs for Automation

Automation the next opportunity

Islands of Automation

Getting products to market more quickly, at the right costs and quality

Automation Challenges and Requirements

Automation Challenges

Test Automation Key Requirements

Foundational material for your automation plan

Templates

Questions

Examples

Virtual Consulting included with this course

Automation plan vision and strategy

Vision, Strategy, Approach Example

Defining your end in mind

Deciding where to start

Engaging Others

Conducting a current state tools inventory

Assessing your current state - tools and processes

Tools inventory example and template

Radar Chart as a means of presenting current state information

Consider the best automation approach

Waterfall vs. agile cycles of work

Aligning tools with your methodologies

Strategies for Automating

The Test Automation Pyramid

Developing your test automation architecture

Blocks of automation capabilities

Islands of Automation

Integrated Tools Architecture Template

Integrated Tools Architecture Examples

Test automation architecture examples

Examples of different test automation architectures and frameworks

Selenium

Key Test Automation Architecture Characteristics

Acceptance test-driven and behavior-driven testing overview

Test automation approaches

FitNesse

Cucumber

Gherkin script overview

Tool workflow

Considerations for what to automate and when

Categories of tests that might be automated

We have many tool choices

Key points in Test Tool Architecture Planning

Piloting and Implementing automation

Selecting and evaluating tools and rolling them out

Selling Automation - qualitative questions

Selling Automation - quantitative questions

Measuring automation benefits

Measures in technical terms

Measures in business terms

Measures of testing vs. measures of test automation

Next Steps

A few keys to success

Additional Course Details

Nexus Humans Introduction to Test Automation Essentials (TT3511) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Introduction to Test Automation Essentials (TT3511) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Introduction to Test Automation Essentials (TT3511)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Introduction to Test Automation Essentials (TT3511) course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to Test Automation Essentials (TT3511) training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to Test Automation Essentials (TT3511)?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to Test Automation Essentials (TT3511). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Test Automation

Q: Why choose Nexus Human for Introduction to Test Automation Essentials (TT3511)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Introduction to Test Automation Essentials (TT3511) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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