

Real-Time

Testing Tools with Gen AI



Why Choose us?

- ✓ Mock Interviews
- ✓ Resume Building
- ✓ 1:1 Career Mentorship
- ✓ Industry Ready Curriculum

ABOUT TRAINER

Subba Raju Sir

TRANSFORMING PROFESSIONALS INTO AI INNOVATORS



SUBBA RAJU SIR

CERTIFICATIONS & CREDENTIALS

- Microsoft Certified Data Scientist & Co-pilot Engineer
- Google Certified Gen-AI Engineer
- Certified Pythonista Programmer
- Certified AI in Testing (ISTQB)
- Certified in GenAI & Agentic AI Engineering (Google, Microsoft, IITG)

With over 25 + years of IT experience and an M.Sc. in Computer Science from Manipal University, Subba Raju Sir is a leading trainer in Data Science, Prompt Engineering, LLMs, Generative AI, Agentic AI, and Autonomous Testing (AI). He emphasizes hands-on, industry-oriented learning that bridges the gap between academic concepts and real-world applications.

SPECIALTIES & EXPERTISE:

- 👉 DATA SCIENCE, AI, AND GENERATIVE AI
- 👉 PROMPT ENGINEERING & AGENTIC AI SOLUTIONS
- 👉 PYTHON PROGRAMMING & AI TESTING
- 👉 CORPORATE & ACADEMIC TRAINING (250+ HOURS COURSES)
- 👉 MENTORING PROFESSIONALS FOR CAREER GROWTH IN AI



Reviews

Testing Tools with Gen AI



Janumpally Anilkumar



I enrolled in the Testing Tools with Gen AI course at Coding Master, and it completely transformed the way I approach software testing. Subba Raju sir explains every concept with real-time clarity, making even complex automation topics easy to understand. The hands-on projects using modern testing tools and Generative AI boosted my confidence like never before.



Manoj Kumar



The course structure is truly industry-focused and well-designed. From core testing concepts to advanced automation using Gen AI, everything is explained in a simple, practical, and hands-on way. Subba Raju sir's teaching style stands out — patient, clear, and highly insightful. Without a doubt, this is one of the best places to learn AI-powered testing tools and real-time automation skills.



U. Lm Yadav



I joined with zero technical background, but today I can confidently work with testing tools and use Gen AI to automate test cases and improve QA processes. All credit goes to Coding Masters and especially Subba Raju sir for making the learning journey simple, practical, and engaging. Highly recommended for beginners who want to start a career in testing with AI!



Vamshi Vinnie



The best part of this course is the hands-on practical exposure. We didn't just learn testing concepts — we worked on real-time automation projects using Testing Tools with Gen AI that are relevant in today's industry. Subba Raju sir explains even complex topics in a very simple and easy-to-understand way. If you're planning a career in software testing and automation, this course is a must!



MODULE 1 – TypeScript

1. **Introduction to Typescript**
2. **Typescript Advantages**
3. **Installing and Configuring**
4. **Compiling and Running Scripts**
5. **TypeScript types**
6. **Type interference**
7. **Explicit Types**
8. **Functions with Type Annotations**



MODULE 2 – JavaScript

1. **Introduction**
2. **Installation and environment setup**
3. **Variables, Data Types and Operators**
4. **Conditional Statements, Loops and Transfer Statements**
5. **Functions**
6. **Arrays**
7. **Strings**
8. **Constructors**
9. **Classes and Objects**
10. **OOPS concepts**

JavaScript



MODULE 3 – PlayWright



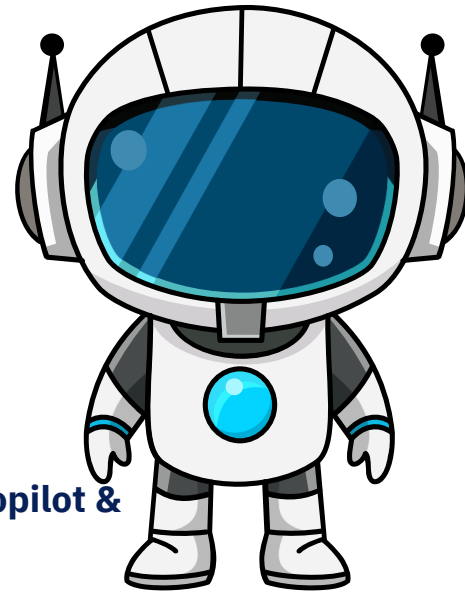
Playwright

1. **Installation**
2. **Create and run test cases using Playwright**
3. **Locating elements with XPath & CSS**
4. **Locating elements with built-in methods**
5. **Record Tests using the test generator**
6. **Handling input box, radio buttons, check boxes, dropdowns, auto-suggestion box, hidden drop-downs, alerts, frames, Multiple**
7. **Windows, web tables, date pickers, Mouse actions, Keyboard**
8. **actions, Upload files**
9. **Assertions**
10. **Hard Vs Soft Assertions**
11. **Grouping Tests**
12. **Screenshots**
13. **Record videos**
14. **TraceViewer**
15. **Tagging tests**
16. **Annotations**
17. **Page Object Model**
18. **Reporter**
19. **Allure Reports**
20. **Retires & Test flakiness**
21. **Api Testing**



MODULE 4 – Generative AI

1. Overview of Generative AI
2. How to work with different LLMs
3. Prompt Engineering
4. How to use Generative AI in Manual Testing
5. How to use Generative AI in Selenium Web Automation
6. Integrate GitHub Copilot with IntelliJ IDE
7. What is an AI Agent? LLM Vs AI Agents
8. Exploring testRigor
9. AI-Powered Automation with Playwright MCP, GitHub Copilot &
10. VSCode (TypeScript)



MODULE 5 – Core JAVA

1. Introduction to Java
2. Variables, Data types, and operators
3. Control flow statements and loop statements
4. Class and Objects
5. Access modifiers
6. String class
7. Arrays
8. Methods, Constructors
9. OOPS concepts
10. Exception handling
11. Collection framework



MODULE 6 – Selenium

1. **Selenium introduction**
2. **Basics of HTML, Document Object Model**
3. **Different Locators**
4. **XPath and CSS Locators in depth**
5. **WebDriver commands**
6. **Handling-Radio buttons, Drop down, Actions class, Double click and Right click, Drag and Drop, Multi select actions, Mouse hover operations, Alerts, Upload and Download file, Scrolling, Multiple windows, IFrames, Waits in Selenium, Broken links, Head less browser testing, Dynamic web table, Date picker, Capture Screen shot, Page Object Model, Page Factory, Read and write Data into Excel files, Data driven Testing, Headless Browser Testing.**



MODULE 7 – TestNG

1. **Introduction to TestNG**
2. **Annotations and their execution**
3. **Attributes**
4. **Parameterization**
5. **Parallel testing and cross-browser testing**
6. **Running failed test cases**
7. **Listeners**
8. **Assertions**

TestNG

MODULE 7 – Maven

1. Introduction to Maven
2. POM.xml Configuration
3. Maven commands
4. Maven Life Cycle
5. running test cases in CMD



MODULE 8 – Extent Report

1. Generate an extent report and attach screenshots.
2. Extent Report implementation using ITestListener



MODULE 9 – Git and GitHub

1. Selenium integration with Git and GitHub



MODULE 10 – Jenkins

1. Selenium integration with Jenkins



MODULE 11 – Cucumber

1. Introduction to Cucumber BDD,
2. Feature file, Steps definition class
3. Runner class
4. Hooks, Report generation



MODULE 12 – Appium

1. Mobile Testing with Appium
2. Appium Architecture
3. Environment setup on Windows
4. Identifying elements using Appium Inspector, automating Android calendar, handling drop-down in Android app, horizontal scrolling, vertical scrolling, text boxes, check boxes, and radio buttons



MODULE

Ready for job

Build a strong resume, practice interviews, and get placement support to kickstart your career confidently.



LEARN THE SKILLS BUILD REAL PROJECTS. GET INTERVIEW READY



RESUME BUILDING



MOCK INTERVIEWS



Q&A SESSIONS



HR INTERVIEW QUESTIONS



PLACEMENT ASSISTANCE

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Our Recent Placed Students



At **Coding Masters**, our faculty team comprises talented and experienced professionals with several decades of real-world industry experience. Our teaching style is tailored to meet **industry requirements**, ensuring no wasted effort or opportunity for learners. We are dedicated to empowering aspiring professionals with the skills they need to excel in the ever-evolving tech landscape. Known for offering the best **AI-Powered Data Analytics training in Hyderabad**, Coding Masters blends innovation, hands-on learning, and industry relevance.

Our mission is to bridge the gap between **academic knowledge** and **industry** expectations by providing high-quality training in **AI-Powered Data Analytics** and more. Guided by experts like **Subba Raju Sir**, every student receives personalized mentorship and a transformative learning experience.