



Test Architect Master's Course

In Collaboration with **IBM** | **Microsoft**

Table of Contents

1. About the Program
2. Collaborating with IBM
3. Collaborating with Microsoft
4. About Intellipaat
5. Key Features
6. Career Support
7. Why take up this course?
8. Who should take up this course?
9. Course Advisors
10. Program Curriculum
11. Self-paced Courses
12. Project Work
13. Certification
14. Intellipaat Success Stories
15. Contact Us



About the Program

Our Test Architect masters course lets you become a Test Architect. You will work on real-world projects in Hadoop testing, Selenium testing, Software/Manual testing, ETL testing, and more. In this program, you will cover 6 courses and 20 industry-based projects.

IBM

Collaborating with IBM

IBM is one of the leading innovators and the biggest player in creating innovative tools. Top subject matter experts from IBM will share their knowledge in the domain during this training program, which will help you gain the breadth of knowledge and industry experience.

Benefits for students from IBM

- Industry-recognized IBM certificate
- Access to IBM Watson for hands-on training and practice
- Industry in-line case studies and project work

Microsoft

Collaborating with Microsoft

Microsoft is one of the largest organizations in terms of inventing creative tools for various purposes. Experts from Microsoft and other top MNCs will offer you their understanding and knowledge in the field through this online certification. Moreover, you will get deep insights into the concepts and gain hands-on

experience by working on industry-specified assignments.

Benefits for students from Microsoft:

- Industry-recognized Microsoft certification
- Real-time projects and exercises



At Intellipaat, we are in a constant endeavor of changing the education culture to be more of an open-source collaborative environment.

About Intellipaat

Intellipaat is one of the leading e-learning training providers with more than 600,000 learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

Key Features



**77 HRS INSTRUCTOR-LED
TRAINING**



**72 HRS SELF-PACED
TRAINING**



**154 HRS REAL-TIME
PROJECT WORK**



LIFETIME ACCESS



24/7 TECHNICAL SUPPORT



**INDUSTRY-RECOGNIZED
CERTIFICATION**



**JOB ASSISTANCE THROUGH
80+ CORPORATE TIE-UPS**



FLEXIBLE SCHEDULING

Career Support



SESSIONS WITH INDUSTRY MENTORS

Attend sessions from top industry experts and get guidance on how to boost your career growth



MOCK INTERVIEWS

Mock interviews to make you prepare for cracking interviews by top employers



GUARANTEED INTERVIEWS & JOB SUPPORT

Get interviewed by our 400+ hiring partners



RESUME PREPARATION

Get assistance in creating a world-class resume from our career services team



Why take up this course?

Intellipaat's Test Architect master's course is specifically created to let you master the testing domain and gain proficiency in the ETL testing domain as well. Upon the completion of the training, you will be well-versed in extracting valuable insights. This way, you can apply for top jobs in the software testing ecosystem.

Who should take up this training?

- Software Developers, Testers, QA Engineers, and System Administrators
- Big Data and Hadoop Developers

Courses Offered

INSTRUCTOR-LED TRAINING COURSES

1. Selenium Testing
2. DevOps
3. MS SQL

SELF-PACED LEARNING COURSES

1. Software/Manual Testing
2. ETL Testing
3. Hadoop Testing

Course Advisors



Suresh Paritala

Solutions Architect at Microsoft, Texas

A Senior Software Architect at Microsoft, Texas, who has previously worked with IBM Corporation, Suresh Paritala has worked on Big Data, Data Science, Advanced Analytics, Internet of Things, and Azure, along with AI domains like Machine Learning and Deep Learning. He has successfully implemented high-impact projects in major corporations around the world.



David Callaghan

Big Data Strategist and Solutions Architect, Perficient, USA

An experienced Blockchain professional, who has been bringing integrated Blockchain, particularly Hyperledger and Ethereum, and Big Data solutions to the cloud, David Callaghan has previously worked on Hadoop, AWS Cloud, Big Data, and Pentaho projects that have had a major impact on the revenues of marquee brands around the world.



Samanth Reddy

Data Scientist at ASCAP

A renowned Data Scientist who has worked with Google and is currently working at ASCAP, Samanth Reddy has a proven ability to develop Data Science strategies that have a high impact on the revenues of various organizations. He comes with strong Data Science expertise and has created decisive Data Science strategies for Fortune 500 corporations.

Program Curriculum

Selenium Testing

Learning Objective

Intellipaate's Selenium training class will make you an expert in Selenium architecture and Selenium 3.0 components. In this best online Selenium training course, you will master the automation testing framework for web applications, TDD, Selenium architecture, JaCoCo, TestNG, and Sikuli. You will also work on multiple real-life projects and assignments during this certified Selenium testing training.

Topics:

- Core Java Concepts
- Writing Java Programs Using Java Principles
- Getting Started with Selenium
- Selenium Features
- Deep Dive into Selenium IDE
- Selenium WebDriver Automation
- Fire Path Installation
- Searching Elements
- Advanced User Interactions and Cross-browser Testing
- Introduction to TestNG Plugin
- TestNG Terminology

- TestNG Data Providers
- Maven Integration
- WebDriver Sample Programs
- JUnit Operations and Test Framework
- Object Repository
- Test Data Management
- Selenium Grid Concept

Self-paced Course Content

- Mobile App Testing Using Appium
- Implementing the BDD Framework Using Cucumber

DevOps

Learning Objective

The DevOps certification training course online will help you learn DevOps and master various aspects of software development, operations, continuous integration, continuous delivery, automated build, test, and deployment, etc. In this best DevOps training course, you will learn DevOps tools, such as Git, Puppet, Jenkins, SVN, Maven, Docker, Ansible, Nagios, and more. This is India's first DevOps course validated and certified by NASSCOM FutureSkills and IBM, and it aligns to industry standards.

Topics:

- Infrastructure Setup
- Introduction to DevOps
- Continuous Testing

- Continuous Integration Using Jenkins
- Software Version Control
- Continuous Deployment: Containerization with Docker
- Containerization with Docker: Ecosystem and Networking
- Configuration Management Using Puppet
- Configuration Management Using Ansible
- Continuous Orchestration Using Kubernetes
- Continuous Monitoring Using Nagios
- Terraform Modules and Workspaces

MS SQL

Learning Objective

This MS SQL training enables you to manage database solutions and various operations on databases, migrate them to the cloud, and scale them on demand. You will work on real-world projects and master Transact-SQL. As part of this online classroom training, you will also receive official SQL course material issued by Microsoft for Querying Data with Transact-SQL and Developing SQL Databases. Accredited by Microsoft, this online SQL training led by Microsoft-certified experts is the best you can get in the marketplace today.

Topics:

- Introduction to SQL
- Database Normalization and Entity Relationship Model
- SQL Operators
- Working with SQL: Join, Tables, and Variables
- Deep Dive into SQL Functions
- Working with Subqueries
- SQL Views, Functions, and Stored Procedures
- Deep Dive into User-defined Functions

- SQL Optimization and Performance
- Managing Data with Transact-SQL
- Querying Data with Advanced Transact-SQL Components
- Programming Databases Using Transact-SQL
- Designing and Implementing Database Objects
- Implementing Programmability Objects
- Managing Database Concurrency
- Optimizing Database Objects
- Advanced Topics
- Microsoft Courses: Study Material

Self-paced Courses

As a part of this Test Architect online classroom training, you will receive three self-paced courses, namely, Software/Manual Testing, ETL Testing, and Hadoop Testing.

Project Work

Selenium Testing

- Automating Various Tasks in ActiTime
- Testing an E-commerce Site with Selenium
- JUnit Test Case

DevOps

- Creating a CI/CD Pipeline to Build and Test a Website
- Deploying an App on Kubernetes Using CI/CD Pipelines
- Merging Git Branches

- Implementing the Git Workflow
- Creating Custom Containers in Docker
- Using Blind Mounts, Docker Compose, and Docker Swarm
- Using Puppet for Configuration Management
- Using Selenium to Create Automated Test Cases

MS-SQL

- Writing Complex Subqueries
- Querying a Large Relational Database
- Relational Database Design

Certification

After the completion of the course, you will get certificates from IBM and Microsoft.



You will also get a course completion certificate from Intellipaat.



Success Stories



Kevin K Wada

Thank you very much for your top-class service. A special mention should be made for your patience in listening to my queries and giving me a solution, which was exactly what I was looking for. I am giving you a 10 on 10!



Sampson Basoah

The Intellipaate team helped me in selecting the perfect course that suits my profile. The whole course was practically oriented, and the trainers were always ready to answer any question. I found this course to be impactful. Thank you.



Giri Karnal

I had taken up the Test Architect master's program, which is a combo of many individual courses. Since there are so many technologies involved in this course, getting your query resolved at the right time becomes the most important aspect. But with Intellipaate, there was no such problem as all my queries were resolved in less than 24 hours.



Sharath Reddy Yellapati

The course material was well-organized. The trainer explained each module from the basics. All my queries were addressed very promptly, and the trainer made me realize how important this course is for beginners in the IT stream.

CONTACT US

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If you have any further queries or just want to have a conversation with us, then do call us.

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