



Course Name	IBM CE - Fundamentals of Software Testing with IBM Rational Tools
Course Code	RATMF3PIN
Course Duration	50 Hours
About the Technology	<p>Slipping schedules, changing requirements and user interfaces, and recurrent feature regression all introduce variables that an ad-hoc testing approach cannot effectively manage. Experience shows that successful software delivery hinges on an efficient, disciplined testing process that verifies your applications have achieved a level of validation that either meets or exceeds project expectations. One way organizations are meeting this challenge is by automating their test execution and results analysis, helping you shorten test cycles, reduces application delivery time, and drive improved quality with increased test coverage — offering more accurate, reliable, and consistent test execution and reporting. The IBM® Rational® Functional Tester solution addresses these issues and more with support for a broad range of application types like Java™, HTML, .NET®, 3270/5250, Oracle® Forms, Borland® Delphi® and Sybase® PowerBuilder®, Siebel®, SAP® and SOA.</p> <p>The Rational Functional Tester solution helps minimize test maintenance, providing wizards and storyboard testing to enhance automation and speed test creation for new users. The Jazz Eclipse technology provides a powerful scripting language and IDE support, through its integration with Jazz Eclipse Client Version 2.0 for Rational Team Concert and Rational Quality Manager Servers, which assists in making it easier to access to work items. A tight integration with the IBM Rational Quality Manager solution aids in simplifying the testing process (creation, execution, management of test assets), helping ensure quality, reliability, performance and compliance of your delivered product and software solutions.</p>
About the course	<p>Under this program, IBM provides the participants, knowledge and hands on experience in the current technology at a nominal fee. As a result, it helps them to stay at the forefront in the industry. It exposes the students to the most advance software technologies and tools helping them to grow in their career path.</p> <p>This 50 hours course includes the following:</p> <p>Intense training session on:</p> <ul style="list-style-type: none">- Essentials of Software Testing- Test Management with IBM Rational Quality Manager- Basics of IBM Rational Functional Tester, Java Scripting
Audience	<p>The target audience is IBM Rational Functional Tester users who need to test Java and Web applications. The course is designed primarily for testing professionals who will be using the automation tools and prefer Java over Microsoft® Visual Basic® .NET as the scripting language. These</p>

	<p>testers are new to test automation and may be new to testing. The audience might also include quality assurance practitioners, managers, or team leaders who are responsible for interacting with testers or who need to ensure that the tools are being implemented fully and appropriately.</p> <p>Students of</p> <ul style="list-style-type: none"> - Engineering (CS, IT, ECE, EEE) – 2nd /3rd Year - MCA – 1st / 2nd Year - BSc, BA -2nd Year
<p>Pre-Requisites</p>	<p>To benefit from this course, students should have the following skills or experience:</p> <ul style="list-style-type: none"> - Programming principles and techniques - Develop, test, and deploy Java applications <p>Pre-requisites courses:</p> <p>RPROOPJFN - IBM CE Object -Oriented Programming using Java</p>
<p>Contents</p>	<p><i>This course covers the following topics:</i></p> <p>Module 1</p> <ul style="list-style-type: none"> - Software Engineering Practices - Core Concepts of Software Testing - The RUP Testing Discipline - Define Evaluation Mission - Test and Evaluate - Analyze Test Failure - Achieve Acceptable Mission - The RUP Workflow As Context <p>Module 2</p> <ul style="list-style-type: none"> - Quality Manager and the manual testing process - Creating test scripts - Running manual tests - Designing and implementing reuse - Using external test data - Reporting test results - Appendix: Introduction to Collaborative Lifecycle Management <p>Module 3</p>

	<ul style="list-style-type: none"> - Record and playback process - Creating resilient scripts with ScriptAssure technology <ul style="list-style-type: none"> • Test object maps • Object recognition • Recognition scores • Pattern-based recognition - IBM Rational Software Delivery Platform (perspectives, script debugging, and editing) - Performing user actions with a script (including verification points) - Extending scripts with script support features - Layout and structure of a script - Logs and logging options - Datapools and external data sources
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Applicable IBM Certification	IBM Certified Solution Designer - Rational Functional Tester for Java Test 000-842 - Rational Functional Tester for Java
Follow on Courses	<ul style="list-style-type: none"> - IBM CE Enterprise Application Project using Java/ J2EE