

Tutorial on  
**End-to-End SDLC with Agile Methodologies**  
By  
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&  
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**Abstract:**

In today's fast changing world we cannot escape from the fact that business requirements change very often. If we use the predictive, heavy weight methodologies for developing software it will be very difficult to incorporate the changing business needs of our customers. Light weight software development methodologies, which appeared in the late nineties "embrace changes". The disciplined adaptive nature of these methodologies helps us to easily accommodate changing business needs of our customers, even in later part of the development cycle.

Many software development organizations in India have started moving towards agile development methodologies as it helps the organizations to respond to changing business environments very quickly and provide better customer satisfaction. In today's business environment it is not really the big that win the battles rather it's the fast that win the battles over the slow. Time to market is very important in today's fast changing world. Agile development helps us to deliver the value to the customer rapidly through a divide and conquer approach and prioritization. The right 20% of effort will yield 80% of the value, so we do a lot of those in agile methodologies.

This tutorial intent to cover:

- Introduction to Agile Methodologies
- Extreme Programming (XP) basics
- Scrum basics
- Scrum roles and terminologies
- Test driven development, user stories, Automation
- Planning & Tracking, Unit testing, coding, Early feedback, Release
- HP Quality Center – Implementing Agile methodologies with Quality Center

**Profile of Speakers:**



**Baiju Joseph** is leading the Quality Engineering team of the Yahoo Emerging Markets business group. He has 16+ years of IT experience. Baiju has delivered talks on Agile testing in test conferences and industry forums. He has published articles on Agile Testing in leading IT magazines.

Prior to Yahoo, Baiju has experience working with Ariba QA, Novell Inc System test team and the Ministry of Information & Broadcasting. Baiju has experience in the areas

of Agile methodologies (XP, Scrum), test automation, test management, and in setting up distributed Agile testing teams. He holds a B Tech in Electronics and Communication Engineering and an M.S. in Software Systems from BITS, Pilani.



**Srinivasan Desikan** is currently working as System Software Master Level Technologist at HP (STSD), Bangalore. He has worked as Director of Quality Assurance and testing at Talisma & Siebel and as Worldwide Director of QA at Agile Software. Srinivasan has held different technical and management positions at Novell Inc, Wipro, and C-DOT and was part of large testing and product development teams.

Srinivasan has been in testing the products since 1989 and some of those products enjoyed several million customers worldwide. Srinivasan is well known to the testing community around the world and has good experience in the areas of test automation, test management, test processes and in setting up test teams from scratch. Srinivasan has delivered talks on testing in the international testing conferences such as QAI-India, ASIASTAR-2002 (Melbourne-Australia), **PSQT/PSTT-2003** (Washington, USA), SPIN (Chennai) and STeP-IN (Bangalore, India).

Srinivasan is passionate about testing and product development, and regularly delivers lectures and tutorials at several Universities and companies in India. He is part of the non-profit software testing certification board initiated to support the cause of Software Testing Community globally and till now he has certified more than 1000 professionals and students, as a service. He took part in the international exhibitions such as COMDEX & NetWorld Interop, and exhibited several products & technology.

Srinivasan has authored one of the best selling book titled '**Software Testing- Principles & Practices**' published by Pearson Education, India. Some of his interesting articles and publications can be accessed at: [stickyminds.com](http://stickyminds.com) and [QAGuild.com](http://QAGuild.com). He also submitted couple of patent disclosures on testing.

Srinivasan and his book received numerous awards and the most recent being **Test2008.in** Award for his contribution to Academia & Industry and “ The bestselling book” award from Karnataka technical book forum.