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Testing Marketplace and Vision 2010 for Test Vendors

Renu Rajani

IBM Global Services

rerajani@in.ibm.com

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Practices Experience Knowledge Automation



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Testing Marketplace and Vision 2010 for Test Vendors

STeP-IN SUMMIT 2008

Renu Rajani, Service Area Leader - Testing
IBM Global Services, India

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Agenda

- **Testing Market Overview**
- **Influencing factors**
- **Test Vendors**
 - Evolution
 - Key differentiating factors
 - Vision 2010
- **Are you ready?**
 - The readiness shared
- **Questions**

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Testing marketplace

- Market opportunities are very high and off-shoring is the best route
- More than ONE competitor on the same plate
- Yesterday's wants are today's customer needs
 - Quality of service and cost advantage have now become implicit customer expectations
 - Productivity benefits and innovation in services delivery are a must now
- Flexibility determines adaptability
 - Tool vendors open up their proprietary boundaries

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Factors that influence testing

Levels of testing

Types of testing

Application under test

Technology

- 64 bit processor applications
- SOA applications
- Webservices applications
- OS/ Browser version upgrades

Waterfall

Spiral

RAD

Agile

Lego blocks approach

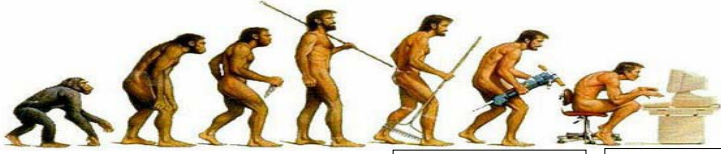
Business demands

Software development life cycle models

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Evolution of software test tools

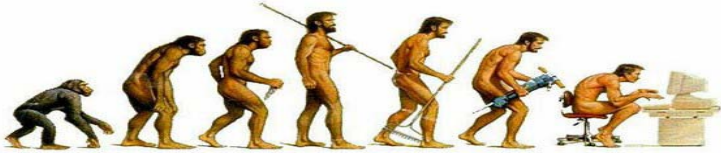


Manual testing	Test automation	ISV integration	Special purpose tools
Normal testing Test management	Tools to save test execution time <ul style="list-style-type: none">•Regression testing•Test data generators•Test environment set-up•Data/File Comparators•Code coverage	•RFT supports SAP •Mercury tools support testing of SAP, Siebel apps	•Performance testing •Security testing •Mobile testing •Web Services apps testing •SOA testing

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Evolution of software testing services



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graph LR; A[Testing as a service] --> B[Guided by process models]; B --> C[Specialized testing]; C --> D[On demand service]
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Key differentiating factors for test vendors

Competency

- Process
- Domain
- Technology
- Test Engineering
- Test tools
- People practices

Creativity

- Technology labs
- Delivery excellence

Collaboration

- Vendors, Tools, teams
- Collaborative development
- Mentoring
- Knowledge sharing
- Networking

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Vision 2010 for test vendors

- IT industry estimates of India-outsourced testing services to exceed \$54.3 billions
- Automation and re-usable frameworks will start getting bigger. This is probably the best way to combat resource requirement upsurge
- Test tools to
 - provide for integrated QA effort into full application lifecycle
 - bring out more tools that cater to specialized testing needs
 - come-up with open architecture framework for ease of integration
 - support collaborative tools development
- New areas for test vendors
 - Community based virtual test universities, headed by testing gurus
 - Open certifications
 - Integrated forums to share best practices
 - Testing experts panel to monitor and fill-in academic gaps collaboratively
 - Start standard finishing schools to fuel testing requirements
- Test vendors as evangelist to
 - detest from solutions that adversely impact long term goals
 - combat any undesired influence that has an adverse effect on the Indian testing community in particular

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Are you ready? The readiness shared

- Partnership approach to assisting clients with a quality based approach from a development perspective which drives towards the business value
- Integration of IBM industry specific business knowledge with technology expertise to help clients achieve their desired business outcomes
- 25 years of testing know-how with proven methods and tooling based on past industry experience and on the full lifecycle testing process developed by IBM, and refined and improved over the years to become the IBM Test Process Model (TPM).
- Package and custom application expertise with centers of excellence for SAP, Oracle and Siebel and experience and skill in developing and implementing SOA to enable faster time-to-market and reduce application development and lifecycle maintenance
- Skills and experience in key legacy systems and platforms, many of them developed by IBM

Continued...

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Are you ready? The readiness shared

- Full breadth of capabilities that enable on-site or off-site testing and performance expertise to drive a quicker return on investment and return on assets
- Seamless local and off-shore global delivery model with an emphasis on accountability, governance, project quality management and real-world metrics
- Flexible financing options to provide cost savings earlier
- Technical expertise in tooling and best practices methodology
- Research and industry expertise through access to IBM Research and the Institute for Business Value
- Ability to use IBM software assets including IBM Rational tools
- Experience across entire application life cycle from assessment and design through build, test and ongoing management of applications
- A well knit test virtually connected community with regular knowledge sharing (TKN, SEA&T, Sharenets, QSE Forums, Newsletters, ICMs) in place

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Any Questions???

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Thank You

Renu Rajani, Service Area Leader - Testing
IBM Global Services, India
Desk - EGL - D- 5B - 372; 91-80-41776928
Mail: rerajani@in.ibm.com
Cell 98452-01475



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