World Conference
Néxt
Generation Testing

19 - 20 July 2018
Bengaluru

Organised by:

UNICOM

Background

World Conference Next Generation Testing 2018 will be happening in Bangalore on July 2018, with focus on Technical Sessions featuring over 25+ Presentation exploring the depth and breadth of Software Testing. The Summit will be a key meeting place for Test Professionals and Executives from leading IT organizations globally .

India Testing League 2018 :This will be a quiz contest to identify India's most knowledgeable Software tester. This globally has run successfully by Next Gen Testing Community in Singapore, UK, USA, Australia & India and is organised annually in India.

India Testing Awards 2018 :India Testing Awards will recognise those organisations and practitioners that have stepped away from legacy tools and processes to create Testing programs that define the future of IT Software Development, services and support. Executives and teams leading IT and Testing at these companies will be recognised among their peers at the India Testing Awards ceremony co-hosted with World Conference Next Gen Testing 2018 on July 2018, in Bangalore.

Call for Participation

* Call for Speaker – An Invite to let your thought be heard *   .
On behalf of UNICOM and Next Generation Testing Organizing Committee, it gives me immense pleasure to announce World Conference Next Generation testing in Bangalore India on July 19 - 20, 2018. This happens to be the biggest gathering of Software Testing Community in India since last 5 years.

Event Theme:
The theme for World Conference Next Generation Testing will be "Test Leadership, Agile Testing and Test Automation, Testing for Developers, Testing in DevOps, Test Strategy, Planning and Metrics, Big Data, Analytics, AI/Machine Learning for Testing and Security Testing"

Conference Tracks:
Day 1
Track 1 - Test Leadership

Track 2A - Agile Test Automation

Track 2B - Testing in DevOps

Day2
Track1A - Testing for Developers

Track1B - Test Strategy, Planning, Metrics

Track2A - Big Data, Analytics, AI/Machine Learning for Testing

Track2B - Security Testing

Over the next few months, we'll be developing a programme for the Next Generation Software community to present stories, challenge beliefs, and make discoveries.

We intend to have following in 2018 based on the suggestions from the testing community -

[1] Discussion Tracks

[2] Round Table Consulting and Q&A sessions

[3] Power point presentations

[4] Workshops (max 2 hours)

[5] Full day Tutorials (One day/ 2 day/three day)

[6] India Testing League 2018 - #1 Corporate quiz on software testing

[7] India Testing Awards 2018

Different Models of engagement:
Call for Speaking:
Please respond to this email if you are interested to speak.

The title of the presentation is:

Short abstract (100 - 120 words) covering the main features of the talk. This will be used for promotion.

Bio (75 - 100 words). (you may enclose a separate sheet or email this to us). Please also include a photo.

India Testing Awards 2018:

India Testing Awards will recognise those organisations and practitioners that have stepped away from legacy tools and processes to create Testing programs that define the future of IT Software Development, services and support. Executives and teams leading IT and Testing at these companies will be recognised among their peers at the India Testing Awards ceremony co-hosted with World Conference Next Gen Testing 2018 on Thursday, 19th July 2018, in Bangalore.

India Testing League 2018
The 6th India Testing League is here – The most sought after contest for Software Testers! Purpose of this contest is to identify India's most knowledgeable professionals in the field of software testing. The event is supported by ETAI (Emerging Technologies Association of India) & UNICOM. This is your chance to win the most coveted award of the best Software Testing Team of the year!

Kindly let me know if you would be interested so that we can share more details.

Looking forward to your response with lots of enthusiasm and support from you.

Program

AI & ML in Test Automation

TOPIC ABSTRACT

With most of the processes getting automated, Test Processes are not left behind. While Test Automation has come of age with various tools & frameworks around them, the artificial intelligence and machine learning is just getting integrated with Test Automation. The topic will cover the areas & aspects of Test Processes for applying AI & ML methods that are more meaningful.

Speaker Ramesh Krishnamurthy, Chief Technology Officer, Indium Software

The Art of Testing Microservices

TOPIC ABSTRACT

The art of Microservices teaches us:: High trust, low process, no handoffs leading to culture of freedom
and responsibility. It is a way to organize your system that provides both opportunities and difficulties for testing. I recently worked with a company transitioning away from a monolithic architecture, and helped them to re-design their automated testing strategy for the new architecture. Crux is simple patterns combined with automated tools. Self-service cloud makes impossible things instant. In this talk I'd like to share some concrete automated testing techniques that I found useful, including selective deployment, approval testing, and event monitoring. I'll also relate some challenges we encountered enabling the teams developing the various services be able to test and deploy independently of one another. The key philosophy behind microservices testing is :: write programs that do one thing and do it well. Key approaches are
Setup domain and CI/CD
Integrate testing culture with TDD
Integrate early
Use Mocks/Stubs to have early POC
Focus is on test pyramid
Ensure to visualize and categorize the test coverage for better result.

Speaker Ritu Arora, Director of Engineering, Aricent

Measuring Consumer Quality - the Missing Feedback Loop

TOPIC ABSTRACT

What is the feedback loop in Software Development? How do you measure it? Is there a "magic" formula to understand this data received? How to you add value to your product using this data? Lets discuss in this interactive session, using a case study of a B2C product to answer the above!

Speaker Anand Bagmar, Software Quality Evangelist

The Dogmatic Agile

TOPIC ABSTRACT

There is Agile. And then there is the The Dogmatic Agile - a system which lays down the incontrovertible
truths, principles which you can not change if you want to be called Agile. This talk discusses Agile in a world where everybody is either already Agile (self-proclaimed) or wants to be Agile, with a lot of focus on the "capital A" Agile, rather than being simply "agile". The latter is what we need to be, but the former is what brings the brand forward, so everybody wants to be a part of silly race they are going to lose. This talk questions the core beliefs of The Dogmatic Agile, the challenges which testing teams face and the baggage of unneeded rituals such a system brings to the table, while loosing sight of the actual goal - a high quality product. I assume people are intelligent, so what is it, if not our deliberate blindness, when comes to Agile? Agile is not what you see in the books or talks on Agile. This presentation is a critical analysis of the real Agile - the Agile in the wild.

Speaker Rahul Verma, Founder & CTO, Test Mile

Program

Behaviour driven test automation and its future

TOPIC ABSTRACT

Behaviour driven development which can trace its roots to Test Driven Development process has been around us for quite some time. In philosophy, it tries to create a synergy between different aspects of the software product development process. As per Dan North, created a BDD framework, BDD is an outside-in, pull-based, multiple-stakeholder, multiple-scale, high-automation, agile methodology. It describes a cycle of interactions with well-defined outputs, resulting in the delivery of working, tested software that matters. Testing and test automation are one of key stakeholders of this approach, and rightly so. For any behaviour based approach requires a constant feedback for its continuous improvement. It becomes rather imperative that we should design our test softwares and frameworks which can keep up with this demanding approach. For such approach, behaviour becomes one of the fundamental unit and we can construct the entire test lifecycle by properly framing and chaining these behavioural units together. If we are able to introduce automation to this process, then it becomes a long term reaping reward where we get benefited not just by having a robust user level documentation which all the stakeholders understand, a validated product with clearly defined user perspective also a regression suite which will help in other functional integrations. Furthermore, this behaviour based scripts could be treated as source of truth for all future developments and/or improvements as they have been vetted by different stakeholders!

Speaker Atul Sharma, Senior Software Development Engineer in Test, Zoomcar India Pvtf Ltd

Automation APIs - a practical strategy to achieve end-to-end test automation

TOPIC ABSTRACT

Developing a test automation framework is not an easy task, especially when you're dealing with multiple products that require to work in sync with each other. A typical example is the aggregator of data from various sub-systems. In general, this problem surfaces when you are using custom-built platforms, proprietary SDKs and/or micro-services to build end-user products. Although these sub-systems can be regarded "products" in their own respects, from an end-user perspective all of this roll up into one, and must be used/tested thus. All this demand more than black-box level automation of tests. At the same time, a unit level coverage on each of these will fail to exercise the integrated environment. Following are some of the benefits of constructing automation APIs:

Provides uniformity in accessing each of the sub-systems involved. This is invaluable from the perspectives of workflow coverage, as well as troubleshooting.

Provides an abstraction layer, much like code-level functions do. Apart from reusability, input restructuring is a great side-benefit.

Serves as a proxy, and help access systems/infrastructure that are inaccessible to the automation driver.

Helps transparency, and helps translate complex inputs down several layers to meaningful, relevant output.

Helps approach the system testing from the context set by environment, input, and user behavior. Persistent contexts derived out of each session, allows tester to explore not only without redundant inputs, but helps construct stronger and lengthy user workflows, while allowing relevant portions of the output to be viewed in perspective. Apart from above, the convenience of execution of individual workflows from a browser, inline reporting, ability to create wrappers (browser-based tools) that could help partially automate tests from a laptop or a smartphone are other advantages.

Speaker Anand Iyer, Principal Consultant-Trainer

Searching Testing in DevOps world

TOPIC ABSTRACT

By Embracing DevOps, the software world's evolution continues and it keeps on embracing new technology and keeps pushing engineers to innovate and to make customer's happy. The time to market is accelerated that has resulted in improvement of overall customer experience. However, just like any other evolution, this is equally challenging both in terms of technology as well as culturally. Although the name suggests that only development and operations are the key areas, testing is equally

affected here. With each experience and each project, there are new obstacles that come in front of teams. Embracing DevOps doesn't mean all that has be done and achieved goes waste and we have to do everything from scratch. Biggest challenge is to apply it keeping existing organizational structure as-is. This can be possible only when the communication and collaboration between all IT teams, dev, QA and ops is improved. The traditional mind set of running organizations saw developers, testers and operations engineer functioned as three teams, each having their own responsibilities and challenges. They just function as distinct teams with few managers that ensure to keep them connected. With DevOps, the onus falls on testers to see if they can remain connected and unified under DevOps Flag. This paper is my journey to answer this question and explain the approach adopted in my organization.

Speaker Vipin Jain, Director, Metacube Software

Continuous Testing In DevOps - Microsoft's Journey

TOPIC ABSTRACT

Join me on #Microsoft's ongoing journey to #DevOps. This journey has #inspiration, #suspense,

#humour, #heartache, and a happy ending. #GetInspired to implement #DevOps in your organization with recommended test practices. At VSTS in Microsoft, we've been on a DevOps journey and have moved 82,000+ Microsofties to DevOps. An important part of this journey has been our strategy to "Test Early, Test Continuously". We're not perfect, we didn't do this in six months and we're not done. We had major milestones along the way and the pattern that we followed is very similar to the pattern we see customers following. They start with, "Gosh, I want to have continuous testing, I want test automation, I don't have a tester role, I want to shift quality left". Yes, that's what we asked too This session will cover our journey and sub topics covered will be

Overview of our DevOps Journey

Automated Testing

Left Shift Quality

Test Early

Test Continuously

Test Reliably

Test Efficiently

Speaker Vinod Joshi, Senior Program Manager, Microsoft

AI/Machine Learning for Testing

TOPIC ABSTRACT

How can we use of AI/Machine Learning to benefit the Testing community, make their job less stressful, more fulfilling and yet deliver a well tested product? How can we use AI/Machine learning on existing test artifacts to gain meaningful insights into the current status of the product? Would AI/Machine Learning affect the testing tools that we use? How do the use of these techniques affect the profile of a Tester? Finally how do use of AI to test AI systems themselves? These are some of the questions that this talk is going to address.

Speaker Vijay Gupta, Owner and CEO, Think Future Technologies

Program

Applying AI and Machine Learning for Test Optimization

TOPIC ABSTRACT

Organizations are under pressure to build, deploy, and scale applications faster to be competitive in the market. This requires companies to relook at their current traditional testing approach and seek disruptive models for progression and regression testing to deliver agility, reduced cycle time and cost by optimizing the test portfolio. Many organizations are already adopting Model Based Testing approach to drive Test case optimization using machine learning (ML) algorithms by automating the test case generation and drive downstream automation by generating Automations scripts aligning with popular execution engines based on Selenium or UFT. While MBT has supported progressive automation intelligently through optimization, the larger questions remain is that how to optimize the existing large regression packs. The traditional approach of regressing all Test cases all the time may not be efficient in terms of cost and cycle time. Regression test suit keeps growing after each release. Often this leads to over burning of effort when a critical change request comes in. Testers do not have systematic framework that would identify subset of critical test cases from the entire pack to execute for achieving optimal coverage balancing risk when under release pressure. In the absence of this, the decision made is random and not accurate resulting in defect leakage to production. The current paper talks about how AI and ML is applied to develop Business rules driven Analytics framework that delivers the key asks like Testcase optimization and prioritization based on defect severity levels. The Analytics model keeps learning with new streams of Test data and creates risk profiling of the critical testcases for optimization/prioritization consideration

Speaker Manojkumar Nagaraj, Director, Capgemini
Speaker Ghanashyam Sajankila, Program Manager, Capgemini

AI/Machine Learning for Testing

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Speakers' Profiles

Diwakar Menon LAST MILE CONSULTANTS
Panel discussion - Unboxing Testing in the Era of AI, AR/VR & Blockchain

Dr. Shankar Ramamoorthy Harman Connected Services
Panel discussion - Unboxing Testing in the Era of AI, AR/VR & Blockchain

Ramesh Krishnamurthy Indium Software
Panel discussion - Unboxing Testing in the Era of AI, AR/VR & Blockchain

Puneet Gupta ITC Infotech
AI & ML in Test Automation

Ritu Arora, Director of Engineering, Aricent
The Art of Testing Microservices

Anand Bagmar, Software Quality Evangelist
Measuring Consumer Quality - the Missing Feedback Loop

Rahul Verma, Founder & CTO, Test Mile
The Dogmatic Agile

Atul Sharma, Senior Software Development Engineer in Test, Zoomcar India Pvtf Ltd
The Dogmatic Agile

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AI/Machine Learning for Testing

Manojkumar Nagaraj, Director, Capgemini
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Ghanashyam Sajankila, Program Manager, Capgemini
Applying AI and Machine Learning for Test Optimization

Hari Sankaranarayanan, Director - Engineering, Amadeus
AI Test Automation: The AI Test Bots Are Coming

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Tickets

Any One Day

Super Early Bird Till 20 April 2018	INR 7,999 +GST
Early Bird Till 31 May 2018	INR 8,999 + GST
Standard Rate Till 30 June 2018	INR 9,999 +GST

Both the days

Super Early Bird Till 20 April 2018	INR 12,999 +GST
Early Bird Till 31 May 2018	INR 13,999 + GST
Standard Rate Till 30 June 2018	INR 14,999 +GST

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