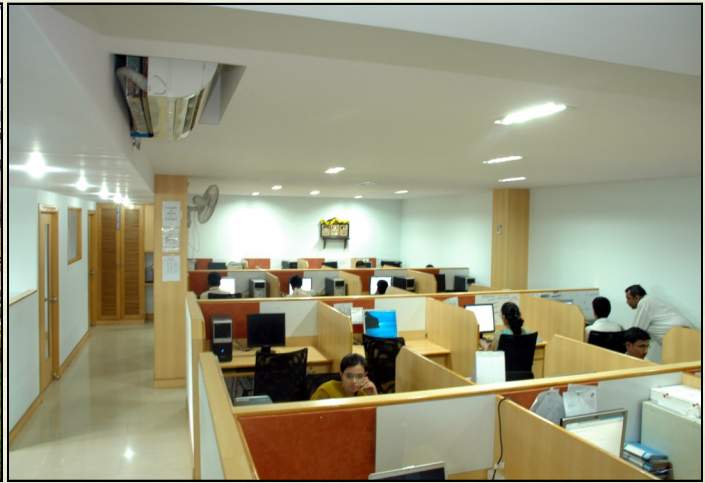


# QualiTimes

*A Quality that does not change with times*



Team strength at display



Team strength at work

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## Editor's choice...

### Charanjeet S Minhas

Word is one of the most precious assets of the world. It is so precious that it is FREE!! Not just free from cost but free from all shackles. YES!!! It is free from ideology, theology, and any other logy; it is free from country, creed, caste, color or any other compartmentalization; it is free from past, present and future. It is not only free itself but has heralded freedom across the regions, religions and millenniums. It is so wonderful that it does multifaceted wonders.

It can rouse dying spirits. Can lit the flames of love. It can become a gift that no material thing can. Can strengthen the handicap such that the mightiest dreads him. The poorest can become so rich that he employs the richest accountants. Most wonderful is that you need no one's yes to use it.

So, let us use it, rather them, to bridge our geographical distances, to vanish our communication deserts, to synergize our skills and capabilities. Let us know one another. Let us socialize. Let us cheer each other. Let us help ourselves. Let us do it!!!!!!!!!!!!

(Founding words for Qualitimes from Qualitree founder)

## Introduction to TTCN-3

### Part 1 — TTCN-3 : Scope , Applications and Value

#### Prabhjot S Bal

Testing and Test Control Notation Version 3 - is a language for test specification and implementation developed and maintained by the ETSI Technical Committee (Methods for Testing and Specification). It has been used for standardization and certification by ETSI and other industries for the past 15 years.

#### Scope:

TTCN-3 is tool for test specification with a role in the "Testing Methods and Tools" category of any Testing Life Cycle (with its own Requirements, Design, Implementation and Maintenance phases). The prominent role played by it is in the TLC phase of test implementation where programs, systems, software changes and software packages etc can be tested using a general test specification language which is robust enough to cover various types of test approaches such as functional, performance, automation etc.

It plays a vital role in discovering and removing deficiencies from a system with emphasis on those aspects of the systems which carry the highest risks or are most important. As no testing specification can be complete - the onus of good system quality measurement lies with the robustness of test specification and its consequent execution against the system under test. TTCN-3 is a tool which provides this function in a TLC.

#### Applications:

In the past centuries the most rapidly developing areas of human endeavor have been – Telecommunication and Transportation. Incidentally these two industries also utilize TTCN-3 to a large extent to measure quality of their systems which are rapidly evolving. Industries which are recent applicants of TTCN-3 methods are the financial sector and medical systems where the language constructs are helping provide the precision measures of quality required by the respective industries.

TTCN-3 has a similar look and feel to a general programming language – however besides those general constructs it contains features to specify test procedures and campaigns for functional, conformance, interoperability, load and scalability tests. These test-specific features are unique to TTCN-3 and also are technology independent.

#### Value:

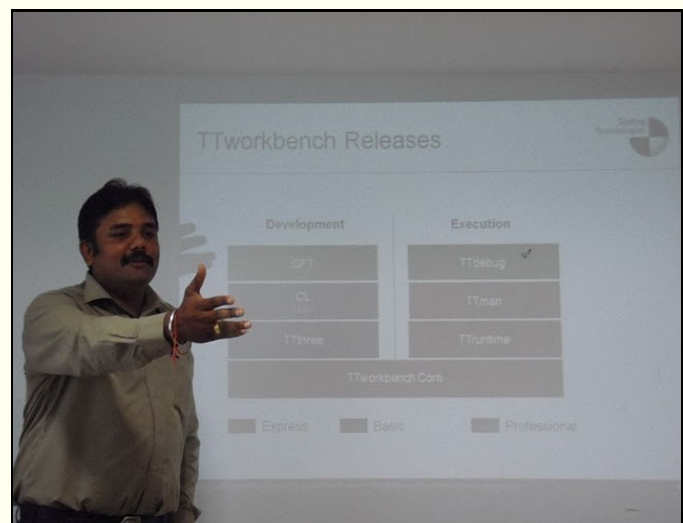
TTCN-3 is a standard that enables implementation in many technologies. Once a test specification is conformant to this standard – it can be ported to any technology platform that supports the TTCN-3 standard. This enables test developers to keep their test specifications independent of vendor toolset.

The TTCN-3 model has another very clear benefit - test specifications can be understood by people other than the ones who developed them and thus can be exchanged among the user community. This in turn increases the confidence in a product by potential customers because they can have access to the test suites that were used to test the product that they purchased or about to purchase and actually understand them. This property also leads many industries to require that test systems be written in TTCN-3 to speed up the purchasing approval process. For more information on this technology – visit 'www.ttcn-3.org'.

Prabhjot is the commander - in - chief of the TTCN-3 research and development unit at Qualitree. He has authored various publications and is a TTCN-3 certified professional by ETSI.



Fun time at the Testing Technologies 10 year bash in Berlin. (L-R):Markus Lehman, Roger Bendisch, Charanjeet Minhas, Shicheng HU



Mr. Atul Kaushik addressing the attendees of world TTCN-3 user conference hosted by Wipro at its campus in Bangalore

## Health conscious Qualitree – Amritsar Office



Food for "Body"

### Guess what's the gossip of the day

**Munish:** I need to watch my weight in anticipation of on-going marriage propositions.

**Raghu:** I wish to gain some mass that would invite propositions.

**Prabhjot:** Whatever, I don't care!!(Pictures tell the Truth)



Body for "Box - Office"

## Tickle

"When someone catches you sleeping on your desk, tell that you are testing time out feature of web based application"

Send in your tickles to  
qualitimes@qualitreeinc.com

### Punches, pulls and bumps!!

- Oct 1 - Abhishek S
- Oct 4 - Anil K
- Oct 6 - Parthiv Z
- Oct 7 - Gurpuran S
- Oct 20 - Mona D
- Oct 30 - Kiran T
- Oct 30 - Naresh G
- Oct 30 - Pritpal S

### 'Qualichef' for the month is ...

The award goes to neither alpha nor beta but one and only Gamma Bhaji.

If you don't know him, for the one's in US, he will not process your salary next time. Now you know him – Mr. Gurnam Singh – HR Manager.

Thank you Gurnam Ji— we all really cherished it; now just waiting for chicken biryani as promised by Srinivasulu.



Qualifiers relishing the exotic "Punjabi Chana"

Want to relish—stop by Qualitree 's Delaware office on 10/15/2010 for lunch around 12 noon !! You really do not want to miss the "Dum Hyderabad Chicken Biryani" !!

## Direct Dil Se... Diabetic Sweetness

I met my childhood classmate who was famous for his love for a very beautiful classmate of ours. After the give and take of few words, I asked, "Did you ever tell Maato about your love for her?", "yes" came the reply "**Jab Humne kaha ke pyaar aata ha tumpe to wo hanske boli aur tumhe aata hi kya hey**". I expressed my sadness and asked who she is married to now. He goes "hey koi. Usko dekhta hoon aur phir uper dekhta hoon aur kahta hoon **ajab bighra hay nizamein meinkada sakhi, jam unko mele jinhe peena nahein aata.**"

\* Terms and conditions apply

## JUMBLE

LGEAI ○○○○○○

ILGBALZU ○○○○○○○○

BENHIGESU ○○○○○○○○

IANYST ○○○○○○

Participate and win; the first correct entry wins a gift of \$10.00\*.

Send in your completed entries to:

jumble\_qualitimes@qualitreeinc.com



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[www.qualitreeinc.com](http://www.qualitreeinc.com)

## BUZZ OF THE MONTH

- ◆ Our Atul Kaushik was guest speaker at the world TTCN - 3 user conference hosted by Wipro technologies where he spoke on "TTworkbench - The Reliable Test Automation Platform".
- ◆ Strategic reseller tie-up with "QualiSystems". Qualitree acquired the rights to resell QualiSystem's flagship product "Test Shell" in North America and Indian sub-continent.
- ◆ Exploratory talks began with an aim to set up an office in Singapore in 2011.
- ◆ Upgrade to the ISO 9000:2008 certification in progress.
- ◆ QualiClub - the social hub for all activities is sprouting as expected; Cannot wait for the dawn of 2011 to start using it.

## QUEST—Qualitree's unique and extensive software training

It is a wise saying that one needs to keep reinventing oneself to keep up with the times. This is one of the beliefs that we Qualifiers practice. And this time the invention gave birth to a **Unique** program in our midst – Qualitree's **Unique and Extensive** training on **Software Testing**. October 11<sup>th</sup> 2010 raises the curtain on **QUEST 1.0** at our campus in Bangalore.

Quest is a 6 months special training course. No, it is not just training but a regime which is all about cultivating, nurturing, and blooming talent in our backyard aimed at spawning a legion of 'Quali-Cadets' for waging Quality and Corporate battles of the future. They will be our morrow years' managers and leaders.

Aspirants who are graduates need to pass online **ALPHA (Assessment of Learning Potential and Healthy Aptitude)** to be considered for studentship in QUEST. Employment begins from day one of training. To attract talent from whole India- as a proof of concept, before opening doors for aspirants from other countries- company will **also** provide free accommodation, free transport, free entertainment, free personality development, et al during the six month period of the regime.

Quest is not only extensive but very intensive too. Some may label it as training. Keener mind may simplify it as job. But penetrating mind will know it as Kiln where muddy personalities will be molded into brick-like characters fit to lay and build foundation of the **world's largest and best software testing company**. They will do it and world will see it!!!

We would be glad to hear from you, please send us your feedback to : [feedback\\_qualitimes@qualitreeinc.com](mailto:feedback_qualitimes@qualitreeinc.com)