



## Step-Auto 2015: Speaker Proposal

<b>Title</b>	<b>A Total Quality Control Solution for SaaS Applications</b>
<b>Category of Topic</b>	<input type="checkbox"/> <b>Sparks Fly</b> : Test related Innovations
<b>Author(s)</b>	Pradeep P P, Associate Test Manager, Quest Global Engineering Services Suma Elizabeth Antony, Senior Test Engineer, Quest Global Engineering Services
<b>Abstract (Provide Details of the Topic and limit to 150 words)</b>	<p>SaaS (Software as a Service) applications have gained tremendous growth over last couple of years, with an incrementing number of enterprises adopting it. Organizations struggle to perform the verification and validation of SaaS applications since it takes sizably voluminous effort and time. In addition to functional testing, performance testing simulating realistic load scenarios from different geographies raise remarkable challenges. Unlike traditional applications, SaaS applications demand testing of additional features like multi-tenancy , scalability and load balancing which cannot be performed manually.</p> <p>This paper illustrates a test automation framework comprising of various tools and techniques to address the challenges in SaaS applications testing with less effort and schedule. The framework covers load simulation from different geographies on demand, data verification techniques for various tenants, checking scalability and security and validating communication protocols. The framework rents load generation servers in different geographies on demand from cloud and caters the test environmental needs.</p>
<b>Terms of Reference &lt;Specify Technical Terms Used in the abstract&gt;</b>	SAAS, Test automation, Cloud, Auto scalability, Muti-tenancy, Load Balancing, Load testing tools
<b>Authors Details &lt;Provide Details of the topic and limit to 150 words&gt;</b>	<p><b>Suma Elizabeth Antony</b> is a Senior Test Engineer with Independent Validation Group at Quest Global Pvt Ltd. She has more than 5 years of experience across various domains and technologies. She has diverse expertise in various automation and performance testing tools. She is very passionate about new technologies and automated workflows in testing domain. She can be contacted at <a href="mailto:suma.antony@quest-global.com">suma.antony@quest-global.com</a></p> <p><b>Pradeep P P</b> is working with Quest Global Pvt Ltd as Associate Test Manager. His roles include managing testing activities and supporting sales activities. He is an Engineering graduate from University of Kerala and has 14 years of experience in software testing industry. He is a Certified Test Manager by STQC and ISTQB. He is an expert of test automation and load testing and gives consultancy for various testing tools like Selenium, J-Meter, QTP, Rational Functional Tester and Test Complete. He has presented more than 10 papers in various international conferences. He can be contacted at <a href="mailto:pradeep.pp@quest-global.com">pradeep.pp@quest-global.com</a></p>
<b>Name of Main Author</b>	Suma Elizabeth Antony



PS: Please enclose High Resolution Photograph of Each Author, and send them along with the Speaker Submission form by email to **[submissions@isqtinternational.com](mailto:submissions@isqtinternational.com)**