

Step-Auto 2015: Speaker Proposal

Title	Effective Testing Techniques for Big Data Applications
Category of Topic	<input type="checkbox"/> Sparks Fly : Test related Innovations
Author(s)	Pradeep PP, Associate Test Manager, Quest Global Engineering Services Mahendran Arumugam, Senior Lead Engineer, Quest Global Engineering Services
Abstract (Provide Details of the Topic and limit to 150 words)	<p>Big Data is the buzzword of the decade and it has a great potential to grow in information technology industry. Many global conglomerates already started using Big Data analysis for taking their organizations to greater heights. This creates enough market for Big Data applications and software service companies find it difficult to validate such intricate systems. The main challenge in Big Data System validation is the generation of large volume of realistic data with structured, unstructured, semi structured format. Validation of data integrity, fail over and performance adds further challenges. Big data systems demand highly complex test environments with a enormous number of machines.</p> <p>The paper talks about various tools and techniques which the authors adopted in various projects to effectively test big data systems. The paper throws light in to various effective data generation, comparison and optimization methods and simulation of varying load on processing nodes.</p>
Terms of Reference <Specify Technical Terms Used in the abstract>	Big data, data integrity, fail over, processing nodes ,load generation, data generation, comparison and optimization
Authors Details <Provide Details of the topic and limit to 150 words>	<p>Mahendran Arumugam is working with Quest Global engineering Services Pvt Ltd as Senior Lead Engineer. His roles include Test Planning and Test Validation. He is an Engineering graduate from Kumaraguru Collage of Technology and has 11 years of experience in software testing industry. He is a Certified Test Manager by ISTQB. He is an expert in test automation tools like QTP and Test Complete. He can be contacted at mahendran.arumugam@quest-global.com</p> <p>Pradeep P P is working with Quest Global engineering Services 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 pradeep.pp@quest-global.com</p>
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PS: Please enclose High Resolution Photograph of Each Author, and send them along with the Speaker Submission form by email to **submissions@isqtinternational.com**