**Title: Quality Assurance With Agile Project Management**

**By**

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**Target Sector:** Research and Development

**ABSTRACT**

Now that agile development methodology has gained a lot of traction in the IT sector,

Risks abound in the project management cycle. Old project management entails: It may be difficult to immediately identify these risks before they have an impact on the project. Agile management is ready to carry such challenges to bear throughout product development life cycle because it focuses on incremental releases.so it is very important to understand the Agile project management and how to implement quality tools and techniques in agile development methodology. This project management model has great shortcomings. When a project plan changes, it is inevitable to adjust the subsequent activities. In an agile approach to project quality, there is an emphasis on continuous improvement of the delivered product - the team is constantly striving to make the product better. So empirical study have been utilized in order to find out the best methodology according to present clients/customers, conducting a survey about quality assurance with agile project management responded positively and it clearly states agile is playing a better role in order to satisfy the customer, for the betterment of the processes the quality technique TDD (Test Driven Development) approach is the most suitable to adopt with agile project management. Following the best practices of agile framework will lead the project to success and applying TDD will help to reduce the uncertainties like unexpected changes, developer is not available so how will we understand the process/ code.

**Keywords**— quality, Agile methodology, project management, survey.