

## A Study of Agile Based Approaches to Improve Software Quality

**Authors :** Gurmeet Kaur

**Abstract :** Agile software development methods are being recognized as popular, and efficient approach to the development of software system that has a short delivery period with high quality also that meets customer requirements with zero defect. In agile software development, quality means quality of code where in the quality is maintained through the use of methods or approaches like refactoring, test driven development, behavior driven development, acceptance test driven development, and demand driven development. Software quality is measured in term of metrics such as the number of defects during development of software. Usage of above mentioned methods or approaches, reduces the possibilities of defects in developed software, and hence improve quality. This paper focuses on study of agile based quality methods or approaches for software development that ensures improved quality of software as well as reduced cost, and customer satisfaction.

**Keywords :** ATDD, BDD, DDD, TDD

**Conference Title :** ICSES 2022 : International Conference on Software Engineering and Systems

**Conference Location :** Montreal, Canada

**Conference Dates :** May 23-24, 2022