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Course Code and Name: 2CSDE80 Software Testing & Quality Assurance

Practical No: 2

AIM : To perform a comparative analysis of traditional software testing vs agile oriented software testing. Decide at least 10 parameters based on which comparison needs to be done.

Parameters	Traditional Software Testing	Agile-oriented Software Testing
Development Approach	The waterfall model is used	The agile model is used.
Test Execution	Sequential execution after development and done in separate phases.	Parallel execution with development and done continuously with testing.
Test Design	It is designed by focusing on documentation and test cases	It has an adaptable design made by focusing on user stories and real-time testing.
Documentation	Requires detailed and well-documented planning for testing.	Can work with minimal document work for testing.
Feedback	It has a long feedback cycle and it gives feedback after major milestones	Short feedback cycles and feedback are received regularly
Flexibility	Limited flexibility and changes in requirements are costly.	Highly flexible and can accommodate changes in requirements easily
Communication	Formal communication channels	Informal(face-to-face) communication channels
Customer Involvement	Limited customer involvement till the end	Continuous customer involvement throughout the project

Defect Detection	Detects defects after the development phase	Early detection of defects
Role Of Testers	Testers are separate from the development and they only focus on testing	Testers work closely with developers and collaborate with them
Tools and Techniques	It uses traditional testing tools and generally manual testing is done.	It uses modern testing tools and generally automation is used widely.
Quality Assurance Focus	Process-oriented quality assurance	Product-oriented quality assurance