

Agile development is the term used in software development process for iteration. It is the process in which the output comes from the combined effort of the self-formed cross functional teams.

The agile development process is started by software developers with a simple project design, and then they begin to work on small modules. The work on these modules is done in weekly or monthly gaps. The significance of the projects are then considered and the tests are run. These sprints allows clients to add their feedback so that they get the product they desire as their feedback is incorporated into the next design before the sprint is run. It also makes certain that the bugs are caught and taken care of in the development cycle itself.

The agile design therefore mostly focuses on the principles rather than process and prioritizes flexible and quick response to change.

An Agile development model enables closer communication with product owners and customers, ability to prioritize the product requirements backlog, ability to build the software product in short sprints spanning 2-3 weeks, flexibility to respond quickly to changes in product requirements and their priorities, quicker visibility to code quality using techniques like daily integration builds and test automation and faster release cycles.

Water fall model also known as the software development process follows a certain set of rules .It mainly works with the projects that have fixed requirements. It has a short feedback loop and focuses on delivering software to customers while Agile is more flexible, based on individuals and interactions rather than on processes and tool.