December 25th 2021.

Assignment No-1

**Difference between Agile and waterfall process.**

Definition of Agile:

Agile is a same kind of process where we can repeated any task again and again to work with a big project and can added new features, modify task as per product owner requirement .It is unique platform where we can easy to communicated with product owner as well as all development team members.

**Scrum:**

Scrum is a frame work through which can build a software product by following agile principle. For example Agile define the process and Scrum is how to fallow the process or how to implement the process to develop software. Scrum includes group of people called as scrum team.

Agile process VS waterfall process:

* Agile is a Modern process where Waterfall works by traditional way.
* In an agile process product owner or product agent can join with software development team where in a water fall process product owner is not part of the team.
* In agile process Product owner doesn’t need to wait for long time to see the progress of development but in water fall process product owner need to wait long time to get the finish product.
* In agile process easy to change features as per product owner requirements but in waterfall is not easy to change, once the project was more specified, verified and strong documented from beginning.
* In agile process production team can develop, test and release piece of software to the product owner with few number of features where in water fall need to wait until finish product.
* In agile process easy to communicate with all team members specially with product owner for any improvement of product building feature but in waterfall process there is no way to communicated with product owner.
* In agile Software development process cut off time and it makes project more cost effective where in waterfall process development process is so long and its increase the product cost.
* In agile process Scrum meeting arrange 2-4 times in a month where in waterfall process is not easy to arrange meeting.
* In agile process customer satisfaction level is very high but in waterfall process customer satisfaction level is very poor after see the finish product on same case.