

What is Agile & define process

Agile →

- Agile is process model, it define process
- It is Iterative model, Iterative means Same process again & again.
- * Agile principle -
 - customer no need to wait for the long time we can develop, test / Release peice of Software.
 - Good Communication between the Customer, Business analyst, Developers & testers.
- * Advantages -
 - Requirement changes are allowed.
 - good communication betⁿ team
 - It is very easy model to adopt
 - customer no need to wait for long time.
 - Release Very fast
- * Disadvantages -
 - less focus On desing & documentation.

Scrum →

- Scrum is a framework
- It will help us to follow the agile principle.

Product Owner
Scrum master
Dev team
QA team

Scrum team

* Product Owner -

product Owner is responsible to define the features.

- Prioritize feature, adjust that features
- Accept / reject work result

* Scrum Master -

Scrum Master Main role facilitating the agile process.

- * Developers - Develop the Software.
- * Tester - Test the Software.

* Scrum terminology →

- 1) User story → in user story define the feature of Software
→ Product Owner define the feature in terms of user story
- 2) Epic → Collection of user story
- 3) Product backlog → list of user stories prepared by product owner
- 4) Sprint → sprint is a period of time to complete the user stories
→ it is decided by product owner/team it is usually two to four weeks
- 5) Sprint planning meeting → this meeting is conducted with team to define the what can be delivered in the sprint & duration.

6) Sprint backlog - list of committed User stories

7) Scrum meeting - meeting conducted by Scrum Master everyday

15 min call / Scrum call / standup meeting

What did you do yesterday

What will you do today

After there any impediments in your way

8) Story point -

It rough estimation of User stories

Will be given by dev & QA.

Storypoint ↓

maybe 1 hour

maybe 1 day

maybe 6 hour

↓
It depends upon Company.

9) Burndown chart -

→ It shows how much work remaining in the sprint

- It is prepared by Scrum Master daily

- maintained

Agile Scrum

Overall Process

- first product Owner interact with customer & get input
- then product backlog document will be prepared like requirement list
- when product backlog is ready the first meeting will be happen that is sprint plan meeting
- In sprint planning meeting everybody involve in that.
- then sprint backlog, it means in that the list of committed story (by dev & testers)
- sprint backlog is ready then sprint will start 1-4 week dev & testers both are work in sprint cycle.
- every 24 hours Scrum master conduct One meeting that is daily Scrum meeting for last 24 hr & next 24 hr
- On the basis of that meeting Scrum master will do burndown chart in that they update how much work is complete & how remain.
- then finish the work there is sprint review.
 - ↓
 - what are stories we planned
 - what are completed
 - any bug
- then he deliver the software.