- Agile is a development methodology based on iterative and incremental approach.

- **Incremental:** An incremental approach breaks the software development process down into small, manageable portions known as increments. Each increment builds on the previous version so that improvements are made step by step.

- **Iterative:** An iterative means software development activities are systematically repeated in cycles known as iterations. A new version of the software is produced after each iteration until the optimal product is achieved.

- Scrum is one of the implementations of agile methodology. In which incremental builds are delivered to the customer in every two to three weeks' time.

Flexibility

- Compared to Scrum it is a more rigid method. So there is not much room for frequent changes.
- The biggest advantage of Scrum is its flexibility as it quickly reacts to changes.

- Design and execution should be kept simple.
- It is best to have face-to-face communication, and techniques like these should be used to get as close to this goal as possible.

- Design and execution can be innovative and experimental.
- Scrum team focus to deliver maximum business value, from beginning early in the project and continuing throughout.

- Project head takes cares of all the tasks in the agile method.
- There is no team leader, so the entire team addresses the issues or problems.
- In the Agile process, the leadership plays a vital role
- Scrum fosters a self-organizing, cross-functional team, role assigned to scrum master, product owner, and team members.

Collabration

- Agile involves collaborations and face-to-face interactions between the members of various cross-functional teams.
- In Scrum, collaboration is achieved in daily stand up meeting with a fixed role assigned to scrum master, product owner, and team members.

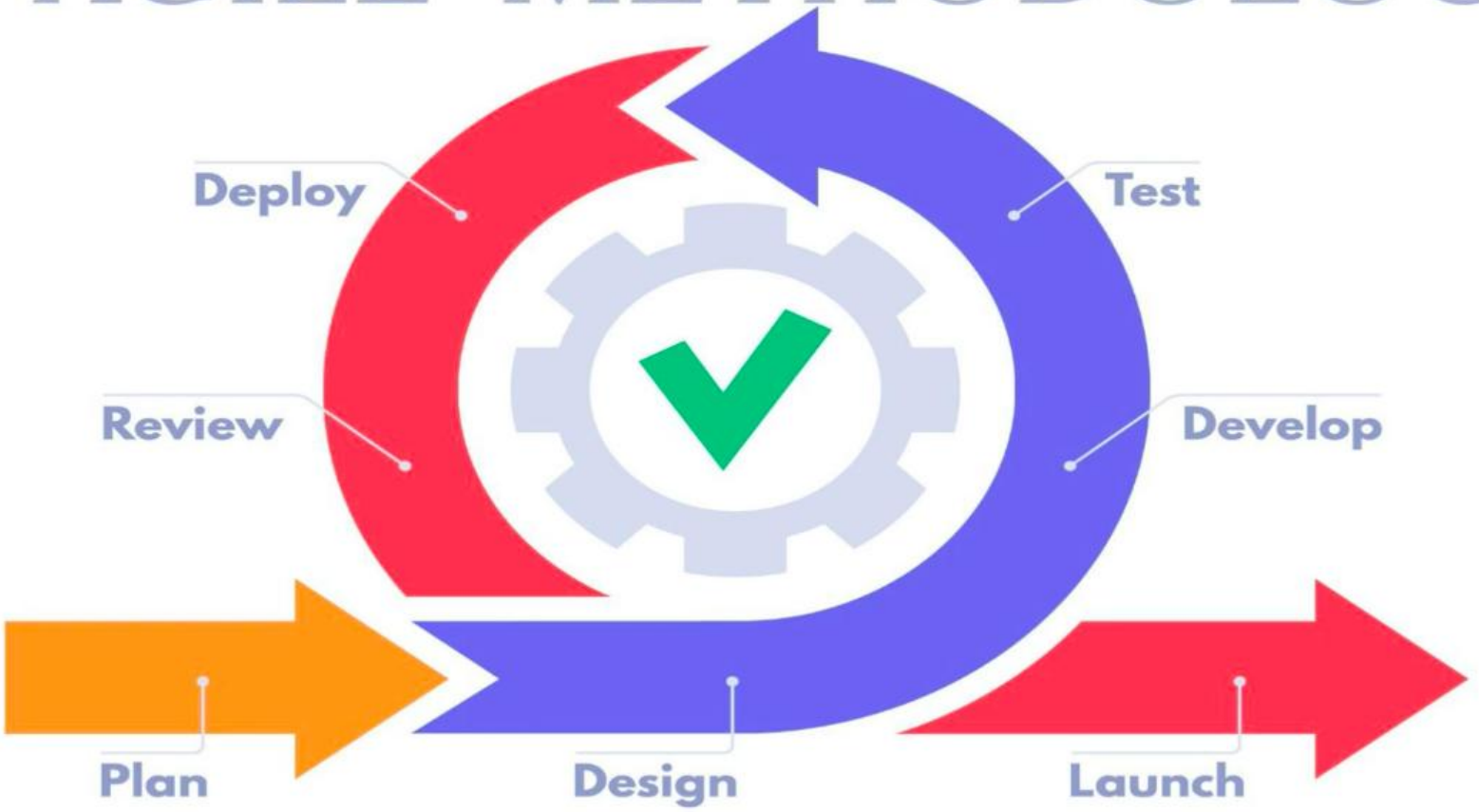
- The agile method needs frequent delivery to the end user for their feedback.
- In this method, each step of development like requirements, analysis, design, are continually monitored during the lifecycle.
- In the scrum, after each sprint, a build is delivered to the client for their feedback.
- A demonstration of the functionality is provided at the end of every sprint. So that regular feedback can be taken before next sprint.

When to use ?

Agile software development has been widely seen as highly suited to environments which have small but expert project development team

Scrum is ideally used in the project where the requirement is rapidly changing.

AGILE METHODOLOGY




SCRUM MASTER
24 HOURS
REVEW
IMPLEMENTATIONn
PRODUCT OWNER
2-4 WEEKS
RETROSPECT
USER STORIES
SPRINT BACKLOG
PLANNING
DEFINITION OF DONE