Agile Methodology

What is Agile?

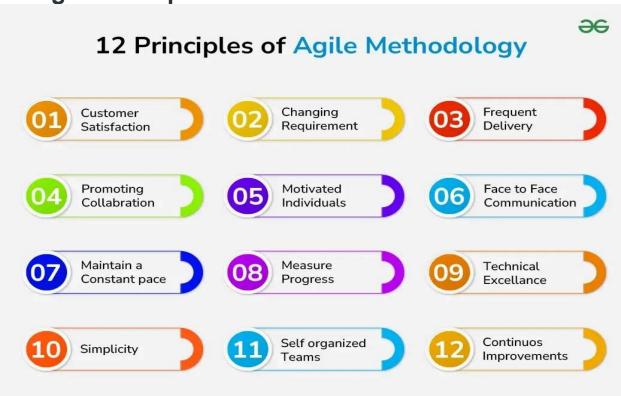Agile is a Project Management and software development approach that aims to be more effective.

1. It focuses on delivering smaller pieces of work regularly instead of one big launch.
2. This allows teams to adapt to changes quickly and provide customer value faster.

What is the Agile Methodology ?

Agile Methodology is a way to manage projects by breaking them into smaller parts. It focuses on working together and making constant improvements. Teams plan, work on the project, and then review how things are going in a repeating cycle.

- They prioritize flexibility, collaboration, and customer satisfaction.
- Major companies like Facebook, Google, and Amazon use Agile because of its adaptability and customer-focused approach.

12 Agile Principles:

12 Principles of Agile Methodology

01 Customer Satisfaction	02 Changing Requirement	03 Frequent Delivery
04 Promoting Collabration	05 Motivated Individuals	06 Face to Face Communication
07 Maintain a Constant pace	08 Measure Progress	09 Technical Excellance
10 Simplicity	11 Self organized Teams	12 Continuos Improvements

Agile principles are guidelines for flexible and efficient software development. They emphasize frequent delivery, embracing change, collaboration, and continuous improvement. The focus is on delivering value, maintaining a sustainable work pace, and ensuring technical excellence.

1. Our highest priority is to satisfy the client through early and continuous delivery of valuable computer software.
2. Welcome dynamic necessities, even late in development. Agile Processes harness modification for the customer's competitive advantage.
3. Deliver operating computer software often, from a pair of weeks to a couple of months, with a preference to the shorter timescale.
4. Business individuals and developers should work along daily throughout the project.
5. The build comes around actuated people. offer them the setting and support they have, and trust them to urge the task done.
6. the foremost economical and effective methodology of conveyancing info to and among a development team is face-to-face speech.
7. Working with computer software is the primary life of progress.
8. Agile processes promote property development. The sponsors, developers, and users will be able to maintain a relentless pace indefinitely.
9. Continuous attention to technical excellence and smart style enhances nimbleness.
10. Simplicity—the art of maximizing the number of work not done—is essential
11. the most effective architectures, necessities, and styles emerge from self–organizing groups.
12. At regular intervals, the team reflects on a way to become simpler, then tunes and adjusts its behavior consequently

Benefits of Agile development methodology

The Advantages of the Agile Model are as follows:
- **Flexibility and Adaptability**: Agile can quickly adapt to changes, allowing teams to respond to new customer needs and market conditions.
- **Improved Collaboration**: Agile encourages constant communication between developers and stakeholders, ensuring the product meets user expectations.
- **Faster Delivery**: Agile ensures quicker releases, keeping customers engaged and their feedback incorporated early.

- **Enhanced Quality and Customer Satisfaction**: Agile focuses on customer feedback, ensuring the product meets their needs and delivering high-quality results.
- **Iterative Development**: Work is done in small, manageable steps, allowing for regular improvements and quick adjustments.
- **Transparency**: Agile keeps stakeholders informed at every stage, ensuring clarity and alignment.
- **Quality Assurance**: Agile prioritizes quality, ensuring the product meets users' expectations through continuous improvements.
- **Continuous Improvement**: Regular feedback ensures the product keeps improving, preventing last-minute issues and maintaining high quality.