**Day3 – Assignment 3:**

Agile principles form the foundation of Agile methodology, which emphasizes iterative development, collaboration, flexibility, and customer feedback. Here are the key Agile principles summarized in a clear and concise format:

**Agile Principles**

1. Customer Satisfaction

* - Priority: Deliver valuable software frequently.
* - Collaboration: Work closely with stakeholders throughout development.

2. Iterative Development

* - Iterations: Deliver working software in short, frequent iterations.
* - Feedback: Adapt to changing requirements quickly.

3. Flexible Responses

* - Change: Welcome changing requirements, even late in development.
* - Adaptability: Agile processes harness change for the customer's competitive advantage.

4. Continuous Delivery

* Deliver working software frequently, from a couple of weeks to a couple of months.

5. Collaborative Environment

* Business people and developers must work together daily throughout the project.
* Build projects around motivated individuals. Give them the environment and support they need and trust them to get the job done.

6. Face-to-Face Communication

* The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.

7. Measured Progress

* Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.

8. Technical Excellence

* Continuous attention to technical excellence and good design enhances agility.

9. Simplicity

* Simplicity—the art of maximizing the amount of work not done—is essential.

10. Self-Organizing Teams

* The best architectures, requirements, and designs emerge from self-organizing teams.

11. Reflection and Adjustment

* At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behaviour accordingly.

**Key Insights:**

- Customer Collaboration: Emphasizes customer involvement and satisfaction.

- Iterative Development: Focuses on delivering working software in short cycles.

- Adaptability: Welcomes changes throughout development to deliver the best value.

- Continuous Improvement: Encourages self-organizing teams and regular reflection on improving processes.