SCRUM FRAMEWORK

The Scrum framework is an agile methodology used to manage and execute projects, particularly in software development. It focuses on iterative progress, collaboration, and continuous improvement. Scrum is structured around a few key roles, events, and artifacts.

Key Components of Scrum:

1. Roles:

Product Owner: Responsible for defining the product backlog, prioritizing tasks, and ensuring the team is working on the right features.

Scrum Master: Facilitates the Scrum process, ensures the team follows Scrum principles, removes obstacles, and helps improve team productivity.

Development Team: A cross-functional group responsible for delivering the increment (working product) at the end of each sprint.

2. Events:

Sprint: A time-boxed period (usually 1-4 weeks) during which a specific set of tasks is completed. Each sprint starts with a planning session and ends with a review and retrospective.

Sprint Planning: A meeting where the team plans what to achieve during the sprint.

Daily Stand-up (Daily Scrum): A brief (15-minute) meeting where the team discusses what they've done, what they're working on, and any obstacles they're facing.

Sprint Review: A meeting at the end of the sprint where the team demonstrates what they've built.

Sprint Retrospective: A meeting to reflect on the sprint and identify ways to improve the process.

3. Artifacts:

Product Backlog: A prioritized list of features, fixes, and tasks that need to be done. It's managed by the Product Owner.

Sprint Backlog: A list of tasks that the development team commits to completing during the current sprint, derived from the product backlog.

Increment: The working product delivered at the end of each sprint, which should be potentially shippable.

Key Principles:

Iterative Development: Work is done in small, manageable chunks (sprints), with regular feedback and adjustment.

Collaboration: Close cooperation between the Product Owner, Scrum Master, and Development Team is essential.

Transparency: All aspects of the process should be visible to the team and stakeholders.

Inspection and Adaptation: Scrum encourages regular inspection and adaptation, making it easy to adjust to changes during the development process.