**Day-5 (Assignment-2) (SDLC)**

# Q1)Explain The resposibility of scrum roles

* Scrum master
* Product Owner
* Development Team

**Scrum Roles and Their Responsibilities**

## **1)Scrum Master**

* **Facilitates Scrum Events:** Organizes and facilitates all Scrum events (Daily Stand-ups, Sprint Planning, Sprint Review, Sprint Retrospective) to ensure they are productive and time-boxed.
* **Removes Impediments:** Identifies and resolves impediments or blockers that are preventing the Development Team from achieving their Sprint goals.
* **Coaches the Team:** Guides and coaches the Development Team and the organization on how to use Agile/Scrum practices and values to achieve higher productivity.
* **Protects the Team:** Acts as a shield for the team from external interferences or distractions, allowing them to focus on delivering Sprint goals.
* **Promotes Collaboration:** Facilitates communication and collaboration between the Product Owner, Development Team, and stakeholders to ensure everyone understands their roles and responsibilities.
* **Ensures Scrum Practices:** Ensures that Scrum practices, rules, and theory are understood and adhered to by the team, fostering a culture of continuous improvement.

## **2)Product Owner**

* **Manages the Product Backlog:** Maintains and prioritizes the Product Backlog, ensuring it is visible, transparent, and understood by all stakeholders.
* **Defines User Stories:** Clearly defines user stories and acceptance criteria, ensuring that the Development Team understands the desired outcome of each backlog item.
* **Prioritizes Work:** Determines the order of items in the Product Backlog based on value, risk, dependencies, and other factors to maximize the value delivered.
* **Engages Stakeholders:** Collaborates with stakeholders to understand their needs, gather feedback, and communicate the status of the product and upcoming features.
* **Accepts or Rejects Work:** Reviews and accepts completed work during Sprint Reviews, ensuring it meets the acceptance criteria and is potentially shippable.
* **Plans Releases:** Decides on the content and release schedule of product increments, balancing business priorities and market needs.

## **3)Development Team**

* **Delivers Increment:** Works together to deliver a potentially releasable product increment by the end of each Sprint, meeting the Definition of Done.
* **Self-Organizes:** Determines how to accomplish their work, including organizing tasks, collaborating on solutions, and managing their own time and efforts.
* **Collaborates on Sprint Planning:** Participates in Sprint Planning meetings to define the Sprint Goal and select work items from the Product Backlog that can be completed within the Sprint.
* **Maintains Quality:** Ensures that each increment meets the quality standards defined in the Definition of Done, including testing, documentation, and review.
* **Participates in Scrum Events:** Actively engages in Daily Stand-ups to share progress, identify potential obstacles, and collaborate on solutions.
* **Engages in Continuous Improvement:** Reflects on their processes and performance during Sprint Retrospectives, identifying opportunities for improvement and implementing changes in subsequent Sprints.
* **Ensures Transparency:** Maintains transparency by making their work visible to the Scrum Team and stakeholders through regular updates, demonstrations, and communication.