1933IGNMENT-6.1 Introduction to AUILE RSCRUM

[Deliverable - 1]

Agile: - Principles 1 O Customer Satisfaction: Deliver valueble software early and continuously.

2 Welcoming Change: - Embrace changing orequirements, even

late in development.

3 Frequent Delivery: - Deliver working Software frequently.
4 Collaboration: - Business people and developers must together daily.

(5) Motivated Individuals: - Build projects under skilled

and motivated individuals-

(6) Face-to-face Communication: - Use Face-to face conversation us the primary communication method.

(7) Working Software: - Primary measure of progress.

- @ Technical Excellence: Continuous attention to technical excellence and good design.
- (9) Simplicity: Maximise the amount by work done
- 10 Sey-Organizing Teams: Best architectures, requirements, and design emerge from Self- organizing teams.
- (I) Reflection: Regular intervals to reflect and Lune behaviors.

Scrum Framework-

Scrum Roles: -

- · Product Owner:
 - · Defines the product backlog.
 - · Priorities needs based on stakeholder and customer inputs.
 - · Ensures team delivers value.
 - · Scrum Master: -
 - · Facilities Scoum processes.
 - · Removes impediments
 - · Coaches team to follow Scrum practises
 - Development Team :-
 - · Self-organizing group responsible for delivering incoments.
 - · Typically 5-9 members.

Scrum Events:

- · Sprint :-
 - · Time-boxed period (1-4 weeks) where a vdeliverable incoment is created.
 - · Regular duration throughout development.
- . Sprint Planning :-
 - · Team plans the work to be performed during the Sprint.
 - · Defines the Sprint Goal.

- · Daily Scoum :-
- 15-minute time-boxed event for the seam to synchronize adivities.
 - . Focus on progress towards the Sprint Goal.

· Scrum Artifacts :-

- · Product Backlog :-
 - · Ordered list of all work for the product.
 - · Dynamic and evolve as new requirements emerge
- . Sprint Backlog:
 - . Set of product backlog items selected for the Sprint
 - · Includes a plan for delivering the increment.
 - · Increment :-
 - Sum of all the Product Backlog items completed during a Sprint.
 - · Must be "Done" and usable.

· Définition of Done (DOD):-

- · Shared understanding of what it means for Work to be completed.
- · Ensures transparency and quality.

Best Provices -

- 1) Time Boxing: Strict time limits for events to increase focus and efficiency.
- @ Cross-functional: Ensure airesse skills within the team
 Teams to handle all work.
- 3 Continous Integration: Frequently integrate and test changes to detect issues early.
- (9) Retrospective Actions: Act on retrospective finding to continually improve.
- 3 Stakeholder Ergagement: Regularly involve stakeholder for feedback and alignment.
 - 6 Automated Testing: Reduce menual testing effort and increases reliability.
 - Agile Metrice: Use metrics like velocity, yele time, and lead time to drive improvements.