## Introduction to Agile & Somm

# Agile - principles.

- D Customer Satisfaction: Deliver valuable software carry and continuously.
  - Welconning change Embrace changing requirements, even late in development.
  - 3 Frequent Delivery: Deliver working Software frequently
  - (9) Collaboration: Business people & developers must sogether douby
  - @Mativated Individuals: Build projects under Skilled & motivated individuals.
  - @ Face to Face communication: Use face to face conversation as the primary communication method.
  - Dorking Software: brimary measure of progress.
  - 1 Technical Excellence: Continuous attention to technical excellence and good design.
  - @ Simplicity: Maximuse the amount of work done.
  - ( Self-Organizing Team: Best architectures, requirements, & design conveye from self-organizing teams
  - O Reflection: Regular intervals to reflect & tune behaviours.

## Scrum Framework:

## Scrum Roles-

- + Product owner;
  - \*Define the product backley.
  - Involties needs based on Stakeholder & customer input.
  - -> ensures team delivers value.
- -> Scrum Master!-
  - -> Facilities scrum processes.
  - -> Removes impediments.
  - Coaches team to follow sorum practices.
- Development team:
  - Self- organizing group responsible for delivering increments
  - -> Typically 5-9 members.

## Scrum Events:

- -> Sprint -
  - Time-boxed period (1-4 weeks) where a deliverable increment is executed.
  - Regular duration throughout development.
- Sporint planning -
- -> Team plans the work to be performed during the sprint
- Defines the sprint goat
- -Daily Scrum:
  - > 15-minute time boxed event for team to syndronized activities
- > Focus on progress towards the sprint goal.

- Scrum Antifacts:
  - > product Backley -
    - → ordered list of all work for the product.
    - Dynamie & evolve a new requirements emerge.
  - Sprint Backlog:
  - -> Set of product backlog item selected for sprint.
  - Includes a plan for delivering the increment.
  - -> Increment:
  - ⇒ Sum of all the product backlog utem completed during sprint.
- -> Definition of Done (DOD):-
  - -> Shared understanding of what it mean for work to be completed.
  - -> Ensures transparency & quality.

- Best Proatices -
- D'Time boxing Strict time limits for events to increases focus & efficiency.
- Dioress-functional teams—ensures diverse skells within the team to handle all work.
- 3 Continous Integration Forequently integrates & test changes to detect usines.
- \*\*Continually improve
- Stakeholder Engagement-Regularly involve stakeholder for feedback & alignment.
  - @ Automated Testing: Reduces manual testing effort & increases reliability.
  - That to drive improvements