

Introduction to Scrum-Agile Development

- Agile is an iterative, team-focused development approach.
- Scrum is a framework within Agile for managing complex projects.
- Used to improve collaboration, adaptability, and product quality.

Scrum Team Roles

- **Product Owner:** Defines product vision and prioritizes the backlog.
- **Scrum Master:** Facilitates team workflow and removes blockers.
- **Development Team:** Cross-functional group that delivers increments of the product.

Scrum-Agile vs. Waterfall

Agile (Scrum)	Waterfall
Iterative & Incremental	Sequential & Linear
Flexible to change	Fixed scope and plan
Early & continuous testing	Testing at the end
Frequent stakeholder input	Limited feedback points

Choosing the Right Approach

- Use Agile when:
 - Requirements evolve or aren't fully known.
 - Feedback and adaptability are essential.
 - Projects need continuous improvement.
- Use Waterfall when:
 - Requirements are fixed and well-defined.
 - Projects have regulatory or sequential constraints.

Conclusion and References

- Scrum-Agile improved our workflow, quality, and adaptability.
- Recommended for ChadaTech's future projects.
- References:
 - Schwaber, K., & Sutherland, J. (2020). The Scrum Guide.
 - Beck, K. et al. (2001). Manifesto for Agile Software Development.
 - Pressman, R. S. (2019). Software Engineering: A Practitioner's Approach.
 - Ambler, S. W. (2012). Disciplined Agile Delivery.