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Different Agile Approaches and their

Comparcère Analysis:

Different Agile approaches can compare based on how they work, their applicability, cost-effectiveness, and other tactors:

Agéle Approach: Scrum

How it it in time-based boxed sprints in time-based boxed sprints Roles include Product Owner, Scruem Mastor, and Development Team.

Applicability Best suited for complex projects with evolving requirements, especially in software development

Effectiveness Moderate cost due to frequent iterations, in torms though team training and Corners

of contr Master may add to the cost.

Key
Strengths responsibilities. Facilitates continuous improvement.

#### Agile Approach: Kankan

How Pt-	Visualizes the workflow using a kanban board, with a focus on limiting Work In
Applicability	Progress to optimize flow.  Suitable for maintenance, support, or projects with no fined timeframes, and where continuous delivery is required.
Effectiveness in terms of contra	Low cost due to minimal overhead and flexibility, but less predictable finelines may lead to hidden costs.
Key Strengths	Highly flexible and can be integrated with other Agile methods.

## -Agile Approach: Lean Development

How I too	Focusers on eleminating waste, optimizing flow, and delivering value continuously.
Applicability	Best for organizations aiming for continuous improvement in their product delivery p process.
	Medium cost due to the need for process rederigns and continuous monitoring.
	Efficient resource utilization and reduced waste.

# Apile Approach: Extreme Programming (XP)

How its	Emphanizes technical excellence with practices like Test-Drieven Development (FDD), Pair Programming.
Applicability	I deal fore projects with high technical complexity and where frequent releases
Effectiveness interms of CONT	High upfront earts due to practices and
Key Strengths	High code quality, reapid feedback, and customer involvement.

### Argile Approach: Crystal

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How to	Focuses on people, interactions, and tailoring processes to fit the team and project.
Applicability	Effective for small to medium-sized teams working on non-critical application.
Effectiveness	Low to median cost due to minimal documentation and lightweight processes.
Key Strengths	Highly cour customezable and focuses on team communication and collaboration.

# Agile Approach: SAFe (Scaled Agile Framework)

How its	Scales Agile preactices to large enterprises by organizing teams, preograms and portfolions.
Applicability	Suitable for large-scale projects and enterprisses with multiple teams and interdependencies.
in terms of centro	High cost due to training, licensing, and coordination aeross teams, but can deliver substantial ROI if implemented correctly.
Key Strengths	Provides a scalable framework for large enterprises. Encowinges alignment and Est collaboration.