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Different Agile Approaches and Comperative Analysis:

Overview: Agile methodologies are a set of approaches to Software development that prioritize flexibility, collaboration, and customer satisfaction. While all agile methods share these values, they differ in their specific Practices and focus areas. Some of the most well-known agile approaches are Sepurn, Kanban, Extreme Programming (XP), and Lean.

1. Scrumo

Focus: Iterative development with fixed-length Sprints.

Key Feature:

- Development Team. Master, Product Owner, and
- · Sprints (2-4 weeks) to produce a Potentially shippiable product increment.
- · Regular meetings: Daily Standups, Sprint planning

Sprint Review, and Petrospective. · Clear poles and responsibilities. Advantages: · Regular feedback and improvement. · Predictable delivary through sprints and 1100 Dis advantages: · Can be too migid with defined moles · Requires experienced Scrum Masters. Can be challenging for larger teams. 2. Kamban: Focus: Continuous flow of tasks with Visual traking. Spring. key Feature: · Visual representation of tasks on a kanbar board · letined . No fixed-length iteration. · Flexibility in task proportization. Sippode product increment. · Regular · meetings Daily standups, Sprint planning

Advantages: 4. Lean; · High flexible and adaptable oldeal for teams with varying proformities · Great for ongoing maintenance Birongrai leadurtoriless predictability. Dis advantages: · Lack of Structure imigl · Difficult to track logn term Progress without stanu grisubon Focus: Engineering practices to improve software be applied to only ind quality. Key Features · Pair Programming and code reviews. · Continuous integration! ent buschess julibraneau · Emphasis on high-quality code · Strong focus on collaboration and Communication. · Frequent releases provide fast feelback from users.

Focus: Eliminate waster and maximize value.

Key Continues Bright Alt. · Focus on delivering value with minimal waste.

· Continuously improving process.

· Continuous/ Lord Provides cus kiner Provides cus kiner value.

Advantages:

· Focuses on efficiency and reducing waster

2 1 1. -1. can be applied to any industry, not south

Disadvantages:

can overnook tedmical aspect in favoro of process improvements.

· Requires cultural change and buy-in form all levels of the organization. enoul Hours

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