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Agile Software Development is a software development methodology that values flexibility, collaboration and customer satisfaction.

comparative of Analysis of Agile Approaches:

Agille methodologies emphasize iterative development, team colloboration and continuous improvement of deliver high quality software

Effectiveness;

Scraum: Scraum l'organizes work into Framework: Scrum iterations called sprants (usually fixed-length volue delivery 2-4 weeks)

Cosimulum esqueei to noitostab planos : exercis

Scrum Masteri: Ensures the Heam adheries to scrum principles.

Product owners: Marages the product backlog and priorcitizes tasks.

Development team: cross-functional group responsible for delivering increments.

Application;

1. Ideal for teams working on priojects with evolving requirements.

2. Swited for small to medium-sized 2. Swited tore small to preojects where collaboration and quick adjustments are crucial,

Effectiveness:

Olabord Hambard Party

Time: Frequent deliverables ensure rapid Time! Frequent deliverables ensure value delivery.

Risks: Early detection of issues minimize estable mong term risks.

Sometime Master Ensures the British minuse

to serming prime ples. ANTO-THE COMMENT ! MONTHS THE

Kanban! (9x) primaring parameter Friamework: Focuses on visualizing workflow using a Kariban board with columns representing different work stages.

TENDITO STORY

: moitosilga

kej pronciples:

Limit work in progress (WIP) Manage flow by identifying bottlenecks continuously improve processes where gerbler

Flexibility:

· No fixed iterations
· tasks move aceross the board as completed.

frequent charges.

cost: Low implementation cost.

Time: optimized task flow improves productivity.

Risks: Transparant workflow aids in early
problem identification.

there : three-quent meletises ensure history value

Extreme priogramming (XP)

Framework: Focuses on engineering prioctices
to impriore software quality and responsiveness Corre practices: Test drainen development (TDD) Paire programming Continuous integration and frequent releases Simple design : Filidixsh Application: 1. Effective forethigh rusk projects requiring fræquent changes. 2. Ideal force small teams with close customers collaboration. collaboration.

Whomig severagmi well test besimites : amit Cost: Automation of testing reduces long term

Time: Frequent releases ensure tasker value delivery.

Learn Development:

Freamework: Dereives from learen manufacturing, focusing on eliminating waste, amplifying learning and delivering value.

Pranciples:

Optimize whole process
Build quality

Delivere fast and defere commitment until necessary

Application:

1. Suitable for organizations seeking efficiency in resource utilization.

2. Works well for teams