Software Development Project Managment

Time Estimation

1. Define Project Complexity:

Use Cyrelin complexity categories [Known, Knowable, Complex]

2. Rough Estimate:

Derive from previous experience with similar projects or industry benchmarks

3. Milestone Estimates:

Use Work Breakdown Structure for this (WBS).

Create estimate sheets for every milestone.

Milestones := 1 – 6 of Software Development Lifecycle

Diagram

4. Buffer:

Add 30% buffer to each milestone estimate

5. Safety Buffer:

Add 20% for meetings, documentation and textual communication

Project Estimate Formulae:

duration(P) = sum(TE) + 0.3 * sum(TE) + 0.2 * sum(TE)

*TE := Task Estimates

Project Estimate Example:

duration(website redesign) = 12h + 0.3 * 12h + 0.2 * 12h = 18h