Perspectives on Software Engineering

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Cost of Communication

Chief Programmer Team

Estimations

Comparing to previous projects (analogy)
Decomposing the effort in smaller parts
Schedule work and estimate resources by the month (work breakdown structure)
Develop standards (basis for norms)

Rayleigh Curve

Figure 6: Yearly rate of expenditures approximates the Rayleigh curve. Total cost (area under curve) = \( K \cdot T_0 \cdot e \), rate = 2K\text{K} \cdot T_0^2 \cdot e^2

Other Issues

Requirements
Design
Implementation
Test

Milestones

Review feedback
Conceptual Integrity
Walkthrough
Tools
Goals of this Lecture

To finish tutorial planning
To discuss perspectives on software engineering
  • Stages
  • Management Issues
To perform tutorial on interactive and agile development basic reflections

Summary

Perspectives on Software Engineering
  • Stages
  • Management Issues