

6 - Schedule

Planning

Expert
Judgment



Analogous
Estimation



Parametric
estimating



Three-Point
Estimating

The formulas are:

- Triangular Distribution.
 $E = (O + M + P) / 3$
- Beta Distribution
(from the traditional PERT technique).
 $E = (O + 4M + P) / 6$

Bottom-up estimating

Data analysis

Alternatives analysing

Reserve analysis

Decision
Making



Voting

Meetings



Duration estimates

	Optimistic	Most likely	Pessimistic	PERT weighted average
Act. A	12	15	24	16.0
Act. B	8	9	14	9.7
Act. C	15	19	27	19.7
Act. D	10	14	20	15.7
Act. E	17	20	25	22.0
Estimate for the critical path:				83.1

Basis of estimates

Project
Document
Updates



Activity attributes

Assumption log

Lessons learned
register

6.4 - Estimate Activity Durations

Inputs

Outputs

To estimate the number of work periods needed to complete individual activities with estimated resources.

Schedule
management
plan

Scope
baseline

Activity attributes

Activity list

Assumption log

Lessons learned register

Milestone list

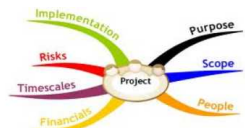
Project team assignments

Resource breakdown structure

Resource calendars

Resource requirements

Risk register



Project
Management
Plan

Project documents

Enterprise
Environmental
Factors



Organizational
Process Assets

Enterprise /
Organization