COCOMO II - Constructive Cost Model

Model(s): COCOMO
Monte Carlo Risk: Off
Auto Calculate: On

Software Size Sizing Method: Source Lines of Code

	SLOC	% Design Modified	% Code Modified	% Integration Required	Assessment and Assimilation (0% - 8%)	Software Understanding (0% - 50%)	Unfamiliarity (0-1)
New	9000						
Reused	3000	0	0	20	5		
Modified	1500	2	30	10	5	45	0.1

Software Scale Drivers

Precedentedness	High	Architecture / Risk Resolution	Nominal	Process Maturity	High
Development Flexibility	Very High	Team Cohesion	High		

Software Cost Drivers

Product		Personnel		Platform	
Required Software Reliability	Very High	Analyst Capability	High	Time Constraint	High
Data Base Size	Nominal	Programmer Capability	Nominal	Storage Constraint	Nominal
Product Complexity	Nominal	Personnel Continuity	Nominal	Platform Volatility	Nominal
Developed for Reusability	Nominal	Application Experience	Nominal	**Project**	
Documentation Match to Lifecycle Needs	Nominal	Platform Experience	Nominal	Use of Software Tools	Very High
		Language and Toolset Experience	High	Multisite Development	Nominal
				Required Development Schedule	Nominal

Maintenance On

Annual Change Size (ESLOC): 3000
Maintenance Duration (Years): 1
Software Understanding (0%-50%): 45
Unfamiliarity (0-1): 0.4

Software Labor Rates

Cost per Person-Month (Dollars): 100

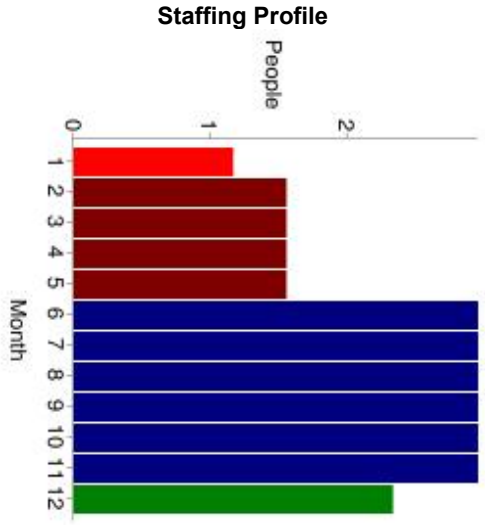
Results

Software Development (Elaboration and Construction)

Effort = 26.1 Person-months
Schedule = 10.8 Months
Cost = $2613

Total Equivalent Size = 9614 SLOC

Staffing Profile



Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	1.6	1.3	1.2	$157
Elaboration	6.3	4.0	1.6	$627
Construction	19.9	6.7	2.9	$1986
Transition	3.1	1.3	2.3	$314

Software Effort Distribution for RUP/MBASE (Person-Months)

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.2	0.8	2.0	0.4
Environment/CM	0.2	0.5	1.0	0.2
Requirements	0.6	1.1	1.6	0.1
Design	0.3	2.3	3.2	0.1
Implementation	0.1	0.8	6.8	0.6
Assessment	0.1	0.6	4.8	0.8
Deployment	0.0	0.2	0.6	0.9

Maintenance
Annual Maintenance Effort = 0.0 Person-Months
Annual Maintenance Cost = $0
Total Maintenance Cost = $0

Your output file is http://csse.usc.edu/tools/data/COCOMO_February_16_2016_07_03_20_214130.txt

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