

BÀI TẬP 2

MÔN: CÔNG NGHỆ PHẦN MỀM TIỀN TIẾN

MSHV: ch1502028

Họ Tên: Đồng Tiến Dũng

Câu 2: Ước lượng dự án

Ta có: KSLOC = 40

Schedule = $P * \sqrt[3]{KSLOC} = 5 * \sqrt[3]{40} = 17.1$

Effort: <http://csse.usc.edu/tools/COCOMOII.php>

Ta có:

Nhóm của bạn đã thực hiện những dự án phát triển hệ thống tương tự trước đó. =>

Developed for Reusability High ▼

Kinh nghiệm của nhóm với ngôn ngữ lập trình và môi trường làm việc là khoảng 3 năm =>

Khả năng, trình độ của đội ngũ lập trình khá cao. =>

Personel:

Analyst Capability High ▼

Programmer Capability High ▼

Personnel Continuity High ▼

Application Experience High ▼


Platform Experience High ▼

Tất cả nhân viên đều làm việc trong cùng một văn phòng.

Nhóm làm việc có sự gắn kết cao. Mọi người hợp tác với nhau tốt. =>

Team Cohesion Very High ▼

Cost per Person-Month : 600\$



COCOMO II - Constructive Cost Model

Mode

COC

Monte

Auto C

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

40

Reused

40

0

0

Modified

40

Software Scale Drivers

Precedentedness

Nominal

Architecture / Risk Resolution

Nominal

Process Maturity

Nominal

Development Flexibility

Nominal

Team Cohesion

Very High

Software Cost Drivers

Product

Required Software Reliability

Nominal

Data Base Size

Nominal

Product Complexity

Nominal

Developed for Reusability

High

Documentation Match to Lifecycle Needs

Nominal

Personnel

Analyst Capability

High

Programmer Capability

High

Personnel Continuity

High

Application Experience

High

Platform Experience

High

Language and Toolset Experience

Nominal

Platform

Time Constraint

Nominal

Storage Constraint

Nominal

Platform Volatility

Nominal

Project

Use of Software Tools

Nominal

Multisite Development

Nominal

Software Labor Rates

Cost per Person-Month (Dollars)600

Calculate

Results

Software Development (Elaboration and Construction)

Staffing Profile

Effort = 0.1 Person-months

Schedule = 1.4 Months

Cost = \$31

Your project is too small to display a staffing profile due to truncation.

Total Equivalent Size = 40 SLOC

Acquisition Phase Distribution

Phase	Effort (Person-months)	Schedule (Months)	Average Staff	Cost (Dollars)
Inception	0.0	0.2	0.0	\$2
Elaboration	0.0	0.5	0.0	\$8
Construction	0.0	0.9	0.0	\$24
Transition	0.0	0.2	0.0	\$4

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

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.0	0.0	0.0	0.0
Environment/CM	0.0	0.0	0.0	0.0
Requirements	0.0	0.0	0.0	0.0
Design	0.0	0.0	0.0	0.0
Implementation	0.0	0.0	0.0	0.0
Assessment	0.0	0.0	0.0	0.0
Deployment	0.0	0.0	0.0	0.0

Your output file is http://csse.usc.edu/tools/data/COCOMO_March_3_2016_06_48_47_412804.txt

Created by Ray Madachy at the Naval Postgraduate School. For more information contact him at rjmadach@nps.edu

Kết quả: http://csse.usc.edu/tools/data/COCOMO_March_3_2016_06_48_47_412804.txt