

PRACTICAL: 5

Aim: Calculate cost estimation for your SGP project using LOC, Function Point and COCOMO.

Software Required: System Star Tool

Knowledge Required: Basics of Software Engineering

Reports:

MML - Modules of MLKit - Detail Report				
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MML - Modules of MLKit - Detail Report				
SystemStar 3.0 Demo		September 18, 2020	14:36:48	Page: 1
Estimate Name:	MML - Modules of MLKit		Estimate ID:	
Model Name:	COCOMO® II 2000		Model ID:	2000
Process Model:	COCOMO® II Model		Phases:	Waterfall
Component Name:	Component1		Component ID:	
Increment:	1		Level:	1
Developed Size:	1,500		EAF:	1.0000
Phase	Effort (Person-Months)	Cost (K\$)	Duration (Months)	Staffing
RQ -- Requirements	0.3	0.0	1.0	0.3
PD -- Product Design	0.8	0.0	1.4	0.5
DD -- Detailed Design	1.2	0.0	1.4	0.9
CT -- Code & Unit Test	1.7	0.0	1.9	0.9
IT -- Integration & Test	0.9	0.0	1.2	0.7
Development (PD+DD+CT+IT)	4.6	0.0	6.0	
Totals (RQ+PD+DD+CT+IT)	4.9	0.0	6.9	
MN -- Maintenance (per year)	0.0	0.0		0.0

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MML - Modules of MLKit - Activity Report

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MML - Modules of MLKit - Activity Report

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Estimate Name: MML - Modules of MLKit

Estimate ID:

Model Name: COCOMO® II 2000

Model ID: 2000

Process Model: COCOMO® II Model

Phases: Waterfall

Activity	Effort in Person-Months						MN
	RQ	PD	DD	CT	IT	Total RQ to IT	
Requirements	0.2	0.1	0.0	0.1	0.0	0.4	0.0
Product Design	0.1	0.3	0.1	0.1	0.0	0.7	0.0
Programming	0.0	0.1	0.7	1.0	0.3	2.1	0.0
Test Plans	0.0	0.0	0.0	0.1	0.0	0.2	0.0
V & V	0.0	0.0	0.1	0.1	0.3	0.6	0.0
Project Office	0.0	0.1	0.1	0.1	0.1	0.4	0.0
CM/QA	0.0	0.0	0.1	0.1	0.1	0.3	0.0
Manuals	0.0	0.1	0.1	0.1	0.1	0.3	0.0
Totals	0.3	0.8	1.2	1.7	0.9	4.9	0.0

MML - Modules of MLKit - Schedule Report

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MML - Modules of MLKit - Schedule Report

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Estimate Name:

MML - Modules of MLKit

Estimate ID:

Model Name:

COCOMO® II 2000

Model ID:

2000

Process Model:

COCOMO® II Model

Phases:

Waterfall

Month	Effort this Month (Person-Months)						Cumulative Effort	Cost (K\$) This Month	Cumulative Cost (K\$)
	RQ	PD	DD	CT	IT	Total			
1	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.0
2	0.0	0.5	0.0	0.0	0.0	0.5	0.9	0.0	0.0
3	0.0	0.2	0.5	0.0	0.0	0.7	1.6	0.0	0.0
4	0.0	0.0	0.7	0.2	0.0	0.9	2.5	0.0	0.0
5	0.0	0.0	0.0	0.9	0.0	0.9	3.4	0.0	0.0
6	0.0	0.0	0.0	0.6	0.2	0.8	4.2	0.0	0.0
7	0.0	0.0	0.0	0.0	0.7	0.7	4.9	0.0	0.0

Conclusion:

By doing this practical I learned about LOC, COCOMO Model and using System star tool generated the reports for our ecommerce web application project.