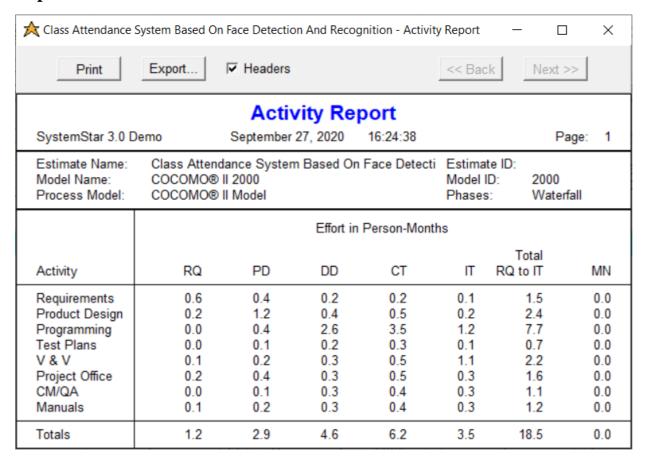# PRACTICAL-5

Aim: Calculate cost estimation for your SGP project using LOC, Function Point and COCOMO.
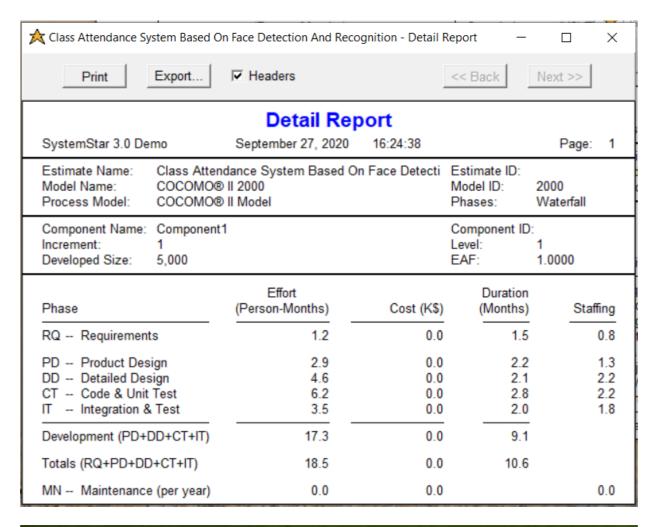
Software Required: System Star Tool

Knowledge Required: Basics of Software Engineering

Reports:

Class Attendance System Based On Face Detection And Recognition - Activity Report   —   □   ✕

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Activity Report

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Estimate Name:	Class Attendance System Based On Face Detecti	Estimate ID:	
Model Name:	COCOMO® II 2000	Model ID:	2000
Process Model:	COCOMO® II Model	Phases:	Waterfall

Effort in Person-Months

Activity	RQ	PD	DD	CT	IT	Total RQ to IT	MN
Requirements	0.6	0.4	0.2	0.2	0.1	1.5	0.0
Product Design	0.2	1.2	0.4	0.5	0.2	2.4	0.0
Programming	0.0	0.4	2.6	3.5	1.2	7.7	0.0
Test Plans	0.0	0.1	0.2	0.3	0.1	0.7	0.0
V & V	0.1	0.2	0.3	0.5	1.1	2.2	0.0
Project Office	0.2	0.4	0.3	0.5	0.3	1.6	0.0
CM/QA	0.0	0.1	0.3	0.4	0.3	1.1	0.0
Manuals	0.1	0.2	0.3	0.4	0.3	1.2	0.0
Totals	1.2	2.9	4.6	6.2	3.5	18.5	0.0

Detail Report

Class Attendance System Based On Face Detection And Recognition - Detail Report   —   □   ✕

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Detail Report

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Estimate Name:	Class Attendance System Based On Face Detecti	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:	5,000	EAF:	1.0000

Phase	Effort (Person-Months)	Cost (K$)	Duration (Months)	Staffing
RQ -- Requirements	1.2	0.0	1.5	0.8
PD -- Product Design	2.9	0.0	2.2	1.3
DD -- Detailed Design	4.6	0.0	2.1	2.2
CT -- Code & Unit Test	6.2	0.0	2.8	2.2
IT -- Integration & Test	3.5	0.0	2.0	1.8
Development (PD+DD+CT+IT)	17.3	0.0	9.1	
Totals (RQ+PD+DD+CT+IT)	18.5	0.0	10.6	
MN -- Maintenance (per year)	0.0	0.0		0.0

Class Attendance System Based On Face Detection And Recognition - Schedule Report   —   □   ✕

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Schedule Report

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Estimate Name:	Class Attendance System Based On Face Detecti	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	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0
2	0.4	0.6	0.0	0.0	0.0	1.0	1.8	0.0	0.0
3	0.0	1.3	0.0	0.0	0.0	1.3	3.1	0.0	0.0
4	0.0	1.0	0.5	0.0	0.0	1.5	4.7	0.0	0.0
5	0.0	0.0	2.2	0.0	0.0	2.2	6.8	0.0	0.0
6	0.0	0.0	1.9	0.3	0.0	2.2	9.0	0.0	0.0
7	0.0	0.0	0.0	2.2	0.0	2.2	11.2	0.0	0.0
8	0.0	0.0	0.0	2.2	0.0	2.2	13.5	0.0	0.0
9	0.0	0.0	0.0	1.5	0.6	2.1	15.5	0.0	0.0
10	0.0	0.0	0.0	0.0	1.8	1.8	17.3	0.0	0.0
11	0.0	0.0	0.0	0.0	1.1	1.1	18.5	0.0	0.0

Conclusion:

In this practical, I have learned about LOC, COCOMO Model and using System Star tool generated the reports for our ecommerce web application project.