Project Cost Estimate

Revision History

Date	Version	Description	Author(s)	Reviewer(s)
<25/Sep/17>	<1.0>	First draft	Saurabh Dwivedi	Advait Dwivedi
<28/Sep/17>	<2.0>	Final Cost Estimate	Saurabh Dwivedi	Advait Dwivedi

The approximate Lines of Code(LOC) of our Project is 5,000

The software cost drivers for our project are

Software Cost Drivers

Software Reliability	High
Database Size	Low
Product Complexity	High
Reusability	High

Personnel Cost Drivers

Analyst Capability	Low
Programmer Capability	Nominal
Programmer Continuity	High
Team Cohesion	High
Application Experience	High
Language and Toolset Experience	Low

Platform Cost Drivers

Time Constraint	High
Storage Constraint	Low
Platform Volatility	Low

Project Cost Drivers

precedentedness	Nominal
flexibilty	High
risk resolution	High
process maturity	Nominal
Use of software tools	Low
Multisite Development	Low

According to the COCOMO Model,

Effort (Person Months) = $a*X^b$

Person Month will be measured as the amount of time a single person is dedicating towards the project.

Using Cocomo we got the following results:

a = 3.12

b =1.2

The cost in terms of Effort is

Effort = 21.7 person months

Schedule = 4 months

Team size = 6

Acquisition Phase Distribution

Phase	Effort(Person-Months)	Schedule(Months)	Average Staff
Inception	1.3	0.5	2.6
Elaboration	5.2	1	5.2
Construction	16.5	2	5.75
Transition	2.6	0.5	5.2

Software Effort Distribution for RUP (Person - Months)

Phase/Activity	Inception	Elaboration	Construction	Transition
Management	0.2	0.6	1.7	0.4
Environment	0.1	0.4	0.8	0.1
Requirements	0.5	0.9	1.3	0.1
Design	0..2	1.9	2.6	0.1
Implementation	0.1	0.7	5.6	0.5
Assesment	0.1	0.5	4.0	0.6
Deployment	0.0	0.2	0.5	0.8