COCOMO

System Type = Organic (c = 2.4, k = 1.05)
Size = KLOC (1000 lines of code) = 8

Effort = c x size^k
= 2.4 x 8^1.05
= 21.30 person months

COCOMO II

Person months = A(size)^(sf) x (em_1) x (em_2) x (em_3)

A = 2.94
Size = KLOC (1000 lines of code) = 8
Sf = scale factor
Em = effort multiplier

There are no examples of an existing system that we can reference to during development
PREC = 6.20 [Very Low]

Our requirements are not greatly strict, we decide with client on what is required.
FLEX = 2.03 [High]

We have a low level of certainty regarding requirements.
RESL = 5.65 [Low]

Team is working as normal
TEAM = 3.29 [Nominal]

Our software processes are below average level of formality.
PMAT = 6.24 [Low]

Scale Factor = B + 0.01 x ∑ scale factor values
= 0.91 + 0.01 x (6.20 + 2.03 + 5.65 + 3.29 + 6.24)
= 1.1441

Estimated effort = A x size^(sf)
= 2.94 x 8^(1.1441)
= 31.73 person months

RCPX = Product Reliability and Complexity
= 1.33 [High]

RUSE = Reuse Required
= 1.07 [High]

PDIF = Platform Difficulty
= 1 [Nominal]

PERS = Personnel Capability
= 0.50 [Extra High] (they're developers)

FCIL = Facilities Available
= 0.73 [Very High] (very available at uni, however travel for some members hinders accessibility)

SCED = Schedule Pressure
= 1 [Very High]

Adjusted Estmated Effort = 31.73 x 1.33 x 1.07 x 0.50 x 0.73
= **16.48 person months**

Albrecht

ILF: 2 (1 medium, 1 high)	[25]
EIF: 1 (1 low)	[5]
EI: 6 (3 low, 3 medium)	[21]
EO: 1 (1 low)	[4]
EQ: 3 (1 low, 1 medium, 1 high)	[13]
	= [68]

1. Data Communications	=	7
2. Distributed Data Processing	=	8
3. Performance	=	7
4. Heavily Used Configuration	=	8
5. Transaction Role	=	2
6. Online Data Entry	=	5
7. End-User Efficiency	=	9
8. Online Update	=	7
9. Complex Processing	=	6
10. Reusability	=	8
11. Installation Ease	=	8
12. Operational Ease	=	9
13. Multiple Sites	=	3
13. Facilitate Change	=	8
Total Degree of Influence	=	95
Value Adjustment Factor	=	1.6

VAF = TDI x 0.01 + 0.65
= 1.6

FP = 68 x 1.6
= 108.8