**Effort Estimation:**

Line of Code

User Interface 2000

Database Connection 2000

Logical Expression 2000

Build Function 3000

TOTAL 9000

SLOC (source Line of Code) =9000

Our project is an organic type of project. So, the values will be as follows

Project complexity, P = 1.05

SLOC-dependent coefficient, T= 0.38

Coefficient = 2.4

Effort = PM = Coefficient\*( SLOC/1000)^P

=2.4\*(9000/1000)^1.05

=24.11 People-months

Development Time, DM=2.50\*(PM)^T

=2.50\*24.11^0.38

=8.37 months

Required Number of Peoples=PM/DM

=24.11/8.37

=2.88

= 3 peoples

**Total Expense Calculation:**

9 months = 274 (179 working days)

Hours = 179\*8 = 1432 hours

Total Salary = 10,00,000

Salary = 10,00,000 / 1432

= 698 taka/hour

Requirement analysis = 15 days

= 15\*8 hours

= 120

Charge = 120\*274 = 32880

Utilities = 18,000

Maintenance = 8 months

= 8\*10 hours

= 80\*1000

= 80000

Training and Hardware = 150000

Office rent = 180000

Electricity = 30000

Total Cost = 1000000 + 32880 + 18000 + 80000 + 150000 + 180000 + 30000

= 1490880

We take 5% of total cost = (1490880 + 1490880\*5%)

Total Bill = 1565424