Effort Estimation & Budgeting

Effort = PM = Coefficient<Effort Factor>*(SLOC/1000)^P

=2.4(15000/1000)^1.05

=41

Development time = DM = 2.50*(PM)^T

=2.50*(41)^.38

=10

Required number of people = ST = PM/DM

=41/10

=4

Designing & Coding=>

10*40*8   [10 month,40 days , 8h]

=3200 h

Total sal(dev)= 3200*1100   [1h salary =1100tk]

=3520000 tk   [4 dev salary]

(1 dev sal=880000)

Requirement Analysis

15*8*600   [15 days, 600 per h sal]

=72000 tk

Maintenance

2*4*6*2500 [per week 2h, 6mon]

=120000 tk

Travel Expense

10*5000=50000 tk

Office rent

20000*10=200000 [per month 20000]

Utilities expense

3500*10=35000

Training/Hardware

3000*10=30000

Budget(Cost)=3520000+72000+120000+50000+200000+35000+3000

=4027000

Profit margin= 4027000*15%

=604050 tk

Pay bill(client)=4027000+604050

=4631050 tk