**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