Budgeting

Constructive Cost Model:

Porject Type : Organic

Coefficient : 2.4[P=1.05; T=0.38]

SLOC (Source line of code) : 5000 Lines

Person Months, PM : $(2.4*(5000/1000)^{1.05})$ =13.005

Development Time, DM : $(2.5*13.005^{0.38})$ =6.626 =7Months =1232 Working Hour

Required People, ST : PM/DM= 1.85 = 2 People

Budgeting:

Developer Salary in 7 Months:

Per developer salary per working hour =500 Taka

Total Developer Salary =500*1232 = 616,000 Taka

Requirement Analysis:

Time needed 1 month (22 workind days=176 working hour)

Requirement analysis person's hourly wage =200 Taka

Total requirement analysis expense = 200*176 = 35200 Taka

Transportation cost estimation: 8,000 Taka

Training & hardware expense estimation: 100,000 Taka

Rent expense:

Room per month =12,000 Taka

Total in 7 months =84,000 Taka

Total ultilities in 7 months: 22,000 Taka

Maintenance (Till 5 months after delivery):

Expense per hour =1,000 Taka

Total estimated time needed for maintenance =50 hours

Total estimated maintenance expense =60*1000 =60,000 Taka

Project Manager Salary:

Per month= 20,000 Taka

Total in 7 months = (20000*7) =140,000 Taka

Accountant Salary:

Per month salary =8,000 Taka

Total in 7 Months = (8000*7) =56,000 Taka

Total estimated expense:

616,000+8,000+100,000+84,000+22,000+60,000+140,000+56,000

=3,246,000 Taka

Profit:

20% of Total estimated expense =3,246,000*20% =649,200 Taka

Project Budget: 3,246,000+649,200 **= 9,738,000 Taka**