

Group 3

Project: Share your product

Project Estimate:

Coefficient = 2.4

Project complexity, P = 1.05

SLOC dependent coefficient, T = 0.38

Source lines of code, SLOC = 8000

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

= 2.4 * (8000/1000)^{1.05}

= 21

Development time = DM

= 2.50 * (PM)^T

= 2.50 * (21)^{0.38}

= 7.95

Required Number of People = ST = PM/DM

= 21/7.95

= 2.64

= 3

Budgeting:

Development Salary In (2 months)8 weeks: Considering 500 taka per hour per developer

$$= 500 * 320 = 160000 \text{ Taka}$$

Requirement analysis: Time needed = 2 Week (10 office day) = 80 working hours

Requirement analysis person's hourly wage

$$= 300 \text{ Taka}$$

Total requirement analysis expense

$$= 300 * 80 = 24000 \text{ Taka}$$

Transportation Cost : 5000 Taka

Training and hardware Expense: 90000 Taka

Rent Expense : $12000 * 2 = 24000$ Taka

Total Utilities : 22000 Taka

Maintenance cost (6 Week after delivery): Expense per hour = 800 Taka

Est.hrs need to maintenance = 35 Hours

Total maintenance cost $35 * 800 = 28000$ Taka

Other Human Resource cost: Project manager = $1 * 16000 * 2 = 32000$ Taka

Accountant = $1 * 14000 * 2 = 28000$ Taka

Technical Stuff = $2 * 12000 * 2 = 48000$ Taka

Total HR Cost: $32000 + 28000 + 48000 = 108000$ Taka

Total estimated expense: $160000 + 24000 + 5000 + 90000 + 24000 + 22000$
 $+ 28000 + 108000 = 461000$

Profit: 20% of Total Estimate Expense = $461000 * 20\%$
 $= 92200$

Project Budget: $461000 + 92200 = 553200$ Taka