



## **CSE-327(Cocomo Model & Budgeting)**

**Project name:** Bashundhara House Rental Service with Live Map Feature

### **Submitted To**

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## **Project Name: Bashundhara House Rental service with Live Map Feature**

### **Constructive Cost Model:**

Project Type: Organic

Coefficient<Effect Factor>: 2.4 [P=1.05; T=0.38]

SLOC = 12000 Lines

Person Months, PM =  $(2.4 * 12^{1.05}) = 31.61$

Duration Time, DM =  $(2.5 * 32.61^{0.38}) = 9.4 = 9 \text{ months} = 1386 \text{ working hrs}$

Required People, ST =  $PM/DM = 3.36 = 4 \text{ people}$

### **Budgeting:**

Developer salary in 9 Months: Per developer salary per working hour = 300 taka

Total developer salary =  $300 * 1386 * 4 = 1663200 \text{ taka}$

### Requirement Analysis:

Time needed: 1 month (22 working days = 154 working hours)

Hourly wage for requirement analysis = 250tk

Total Requirement Analysis Expense =  $250 * 154 = 38,500\text{tk}$

Transportation cost estimation: 10,000tk

Training & hardware Expenses Estimation: 100,000tk

Rent Expenses:

Room per month = 10,000 taka

Total in 9 Months = 90,000 taka

Total utilities in 9 Months: 20,000 taka

Maintenance (Till 6 months after delivery):

Expense per hour = 1000 taka

Total Estimated Time needed for maintenance = 60 Hours

Total Estimated Maintenance Expense =  $60 * 1000 = 60,000$  taka

Total Estimated Expense:  $1,663,200 + 38,500 + 10,000 + 100,000 + 90,000 + 20,000 + 60,000 = 1,981,700$

Profit:

20% of total Estimated Expense =  $1,981,700 * 20\% = 396,340$  taka

**Project Budget:**  $1,981,700 + 396,340 = 2,378,040$  taka