



North South University

Department of Electrical & Computer Engineering

Project Budget

Medi Sync Hub: Unified Patient-Doctor Record Management

Group No: 11

CSE 327

Section:03

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Constructive Cost Model:

Project Type : Organic

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

SLOC : 15,000 lines

Person Months, PM $2.4 * (15,000/1000) ^{1.05} = 41.21991233$

Development Time = DM $= 2.50 * (41.21991233) ^{0.38} = 10.27260746$

Required Number of People = ST = PM/DM $= 41.21991233 / 10.27260746 = 4$

BUDGETING:

Developer Salary in 9 months

(Per Developer Salary Per Working Hours=300 Taka) Total Developer Salary $= 300 * 1440 * 3$
 $= 12,96,000$ TK

Requirement analysis:

Time needed: 1 month (22 Working Days=176 Working Hour)

Requirement analysis person hourly wage: 100 TK

Total Requirement Analysis Expense:

$100 * 176$
 $= 17,600$ TK

Transportation cost estimation:

7000 TK

Training & Hardware Expanses Estimation:

60,000 TK.

Rent Expenses:

Office space rent per month: 20,000 TK

Total in 9 months: $(20,000 \times 9)$

= 180,000 TK

Total utilities in 9 months: 30,000 TK

Maintenance (Till 6 Months after Delivery)

Expense per hour: 1200 TK

Total Estimated Time Needed for Maintenance = 80 Hours Total Estimated

Maintenance Expense = 80×1200

= 96,000 TK

Total Estimated Expense:

$12,96,000 + 17,600 + 7,000 + 60,000 + 1,80,000 + 30,000 + 96,000$

$= 16,86,600 \text{ TK}$

Profit:

Profit = 20% of Total Estimated Cost

$= 20\% \text{ of } 16,86,600 \text{ TK}$

$= 3,37,320 \text{ TK}$

Project Budget:

$16,86,600 + 3,37,620$

$= 20,24,220 \text{ TK}$