



American International University-Bangladesh (AIUB)

SOFTWARE ENGINEERING

Section: F

**PROJECT TITLE : EMERGENCY AUTOMOBILE
TECHNICIAN SERVICE**

Group : 07

Submitted by:

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Submitted to:

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Estimation Budgeting:

$$\text{❖ Effort} = \text{PM} = \text{Coefficient} * (\text{SLOC}/1000)^P$$

$$= 2.4(20000/1000)^{1.05}$$

$$= 55$$

$$\text{❖ Development time} = \text{DM} = 2.50 * (\text{PM})^T$$

$$= 2.50 * (55)^{.38}$$

$$= 11$$

$$\text{❖ Required number of people} = \text{ST} = \text{PM}/\text{DM}$$

$$= 45/11$$

$$= 5$$

$$\text{❖ Designing \& Coding} = 11 * 22 * 8 \text{ [11 month, 22 days , 8h]}$$

$$= 1936 \text{ h}$$

$$\text{❖ Total sal(day)} = 1936 * 1200 \text{ [1h salary =1200tk]}$$

$$= 2323200 \text{ tk [5 day salary] (So, 1 day sal=464640)}$$

$$\text{❖ Per month salary} = (464640/11)$$

$$= 42240 \text{ tk(1 day)}$$

$$\text{❖ Requirement Analysis} = 15 * 8 * 600 \text{ [15 days, 600 per h sal]}$$

$$= 72000 \text{ tk}$$

$$\text{❖ Maintenance} = 2 * 5 * 6 * 2500 \text{ [per week 2h, 6mon]}$$

$$= 150000 \text{ tk}$$

❖ **Travel Expense = 11*5000**

= 55000 tk

❖ **Office Rent = 20000*12**

= 240000 [per month 20000]

❖ **Utilities Expenses = 3500*12**

= 42000

❖ **Training/Hardware = 3000*12**

= 36000

❖ **Cost = 2323200 +42240 +72000 +150000 +55000 +240000 +42000**

= 2924440 tk

❖ **Profit margin = 2924440*15%**

= 438666 tk

❖ **Pay bill (client) = 33,00000 tk**