

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:**

* **Effort = PM = Coefficient\*(SLOC/1000)^P**

= 2.4(20000/1000)^1.05

= 55

* **Development time = DM = 2.50\*(PM)^T**

= 2.50\*(55)^.38

= 11

* **Required number of people = ST = PM/DM**

= 45/11

= 5

* **Designing & Coding = 11\*22\*8 [11 month, 22 days , 8h]**

= 1936 h

* **Total sal(day) = 1936\*1200 [1h salary =1200tk]**

= 2323200 tk [5 day salary] (So, 1 day sal=464640)

* **Per month salary = (464640/11)**

= 42240 tk(1 day)

* **Requirement Analysis = 15\*8\*600 [15 days, 600 per h sal]**

=72000 tk

* **Maintenance = 2\*5\*6\*2500 [per week 2h, 6mon]**

= 150000 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**