**Constructive Cost Model (CoCoMo)**

**and**

**Budget Estimation**

**Group: 01**

**Group Members:**

Atanu Rudra Joy: 18-38876-3

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**Submitted to: Dr. Razib Hayat Khan**

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**COCOMO**

SLOC =14,000

Effort = PM = Coefficient <Effort Factor> \* (SLOC/1000)P

= 2.4\*(12,000/1000)1.05

= 2.4(12)1.05 = 33 person-months

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

=2.50\*(33)0.38 =10 months

Required Number of people = ST = PM/DM

= 33/10

= 4 members

4 person 10 months = 305 (205 working days)

Hours =205\*8

=1640 hours

**Budget Estimation**

Salary = 13,00,000/1,640

= 793 Taka/hour

* Total Salary = 13,00,000

Requirement analysis = 15 days

=15\*8

=120

* Charge = 120\*305 =36600
* Utilities = 18,000
* Maintenance = 8 months

= 8\*10 hours

= 80 hours \*1000

= 80000

* Training and Hardware = 160000
* Office rent expense = 1,80,000
* Electricity =30000
* **Total cost** = 13,00,000 +36600 +18000

+80000+160000 +180000+ 30000

=1804600

=18,05,000

Profit margin will be 10% of the total cost.

* Profit Margin = 18,05,000 \* 10%

= 1,80,500

Total Bill will be (18,05,000 + 1,80,500) Taka

= 19,85,500 Taka