**GROUP 10**

**RateIT**

**Budget Estimation**

Source lines of code, SLOC=7000

So, our project RateIT is under organic project.

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

=2.4\*(7000/1000) ^1.05 [7000SLOC/1000=7K SLOC]

=19 person-months

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

=2.50\*(19) ^0.38

=8 months

Required number of people=ST=PM/DM

=19/8

=2.3

=3 person approx.

**Developers salary**= working hours per day \* working days in a month \* months \* salary per hour

=8 \* 21 \*8 \*1000

=1,344,000 TK

Requirement analysis =15days\*8hours

=120hour

**Requirement analysis’s salary**=120\*700=84,000

**Travel expense**=15,000

**Office rent expense**=60,000

**Utility**=10,000

**Training and hardware cost**=50,000

**Maintenance for 6 months**=6\*8=48 hours

**Maintenance cost**=48 hours\*800

=38,400

**Total cost**=1,344,000+84,000+15,000+60,000+10,000+50,000+38,400

=1,601,400

**Company’s profit**= 20% of total cost

=20% of 1,601,400

=320,280

**Total budget of the project**= 1,601,400+320,280

=1,921,680 Taka