1.8 Cost of the project

*Ei = a \* (KLOC)\*b*………… initial effort person per month

•The value of the constants *a* and bdepend on the project type.

Cost of the project is estimated using COCOMO model.

* DataEntry =0.5 KLOC

•DataUpdate=0.5 KLOC

•Query=0.5 KLOC

•Reports =0.5 KLOC

•TOTAL =2KLOC

Values of a =3.2 and b=1.05

Initial effort

Ei= 3.2\* (2KLOC)1.05 =6.62 PM

Multiplying factors

* Required reliability =1.15
* Database size =1.0
* Computer turnaround time = 0.87
* Programmer capability = 1.17
* Development schedule = 1.0

EAF=1.15\*1.0\*0.87\*1.17\*1.0=1.17

E=Ei\*EAF

E=1.17\*6.62

E=7.74

Costs required for each phase

**Product design 0.16\*7.74=1.238PM**

**Detailed design 0.26\*7.74=2.012PM**

**Code & unit test 0.42\*7.74=3.25PM**

**Integration 0.16\*7.74=1.238PM**