## BASIC COCOMO

**E =** Effort. **D =** Deployment time. **SS =** Staff size. **P =** Productivity.

**E** **= a (KLOC)^b.**

**D = c(E)^d.**

**SS = E/D.**

**P = KLOC/E.**

**a, b, c, d = coefficient.**

**ORGANIC MODE**

**KLOC = 30**

**a =2.4, b = 1.05, c = 2.5, d = 0.38**

**E** = 2.4\*(30)^1.05 = 85.3PM

**D** = 2.5\*(85.3)^0.38 = 13.54M

**SS** = 85.3/13.54 = 6.3 persons

**P** = 30/85.3 = 0.352 KLOC/PM

**SEMI DETACHED MODE**

**KLOC = 30**

**a =3.0, b = 1.12, c = 2.5, d = 0.35**

**E** = 3.0\*(30)^1.12 = 135.36PM

**D** = 2.5\*(135.36)^0.35 = 13.93M

**SS** = 135.36/13.93 = 9.7 persons

**P** = 30/135.36 = 0.222 KLOC/PM

**EMBEDDED MODE**

**KLOC = 30**

**a =3.6, b = 1.20, c = 2.5, d = 0.32**

**E** = 3.6\*(30)^1.20 = 213.23PM

**D** = 2.5\*(213.23)^0.32 = 13.91M

**SS** = 213.23/13.91 = 15.3 persons

**P** = 30/213.23 = 0.141 KLOC/PM