

Team Name: Goobernauts

Use, at least, the Basic COCOMO (if you use the Intermediate or Detailed model please mention it in your creation) to calculate the estimated development time in months for your project.

- Include KLOC (thousands of lines of code) used in the calculations
- Identify which category (Organic, Semi-Detached, or Embedded) your project fits in to
- Report the resulting development time in months

Basic Equations

$$E = a \cdot (\text{KLOC})^b \text{ PM}$$

$$T_{\text{dev}} = c \cdot (E)^d$$

KLOC = Estimate of 2 for now.

Category = Organic

Why Organic?

- Should be limited in lines of code. Estimates around the minimum given size for the Organic Model
- Coding Complexity is low-medium
- Team is semi-familiar with hardware equipment used and familiar with most of the software and languages being used.
- Guidelines are rather flexible coding wise, strict on hardware usage
- Time required for the project is slightly more weighted towards testing and hardware manipulation than what the COCOMO model expects

Effort = 4.97 Person-Months

Tdev = 4.60 Months

Likely requires more since we're busy being students which the model doesn't account for.