



Group NO-09

Topic Name: COCOMO Effort Estimation

Project name: On-demand auto mobile service

Course: cse327

Section: 03

Group members-

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COCOMO Effort estimation:

Project type: Organic

Coefficient <Effort Factor>: 2.4

project complexity, P: 1.05

SLOC-dependent coefficient T: 0.38

We know,

person-months needed for project, **PM** = Coefficient<Effort Factor>*(SLOC/1000)^P

$$= 2.4 * (16000 / 1000)^{1.05}$$

$$= 44.11 \text{ months}$$

Development time, **DM** = $2.50 * (PM)^T$

$$= 2.5 * (44.11)^{0.38}$$

$$= 10.54$$

$$\approx 11 \text{ months}$$

$$= 1936 \text{ working hours.}$$

Required number of people, **ST** = PM/DM

$$= 44.11 / 11$$

$$= 4.01$$

$$\approx 4 \text{ people}$$

