

Project Title: Fake Medicine Detection System
SOFTWARE ENGINEERING

Course Teacher: Dr. Razib Hayat Khan

Section: K

Group: 10

Student Name	Student ID
1. JOY MATUBBER	20-41959-1
2. MARUF SHAHRIAR	20-42016-1
3. NAFINUR LEO	20-42195-1

Constructive Cost Model (CoCoMo):

Project Type: Organic

Project Estimation :

Coefficient_{<Effort Factor>}: 2.4

SLOC: 10,000

P: 1.05.

T: 0.38.

Person Month, PM: $2.4 * (10,000 / 1,000)^{1.05}$

= 26.93

Development Time, DM: $2.50 * (PM)^T$

= $2.5 * (26.93)^{0.38}$

= 8.74 months

= 9 months

Total Working Days = 22×9

= 198 days

= 198×8 hour

= 1584 hour

Required Number of People, ST: PM/DM

= $26.93/9$

= 2.99

= 3