**Student Jobs**

**Group : 06**

|  |  |  |  |
| --- | --- | --- | --- |
| Software Project  Type | Coefficient  <Effort Factor> | P | T |
| Organic | 2.4 | 1.05 | 0.38 |

Effort = PM = Coefficient \*(SLOC / 1000)^P

= 2.4 \* ( 10000 /1000 )^1.05

= 26.9284

Development time = DM = 2.50\*(PM)^T

= 2.50\*(26.9284)^0.38

= 8.7381

Required number of people = ST = PM/DM

= (26.9284/8.7381)

= 3.0817

**Budget**

Working days per month = 20 days

Total working days = (20x8.7381) days

= 174.762 days

= 175 days

Working hour per day = 8 hours

Total working hours = (175x8) hours

= 1400 hours

Each engineer salary per hour = 1100 TK

Total engineer salary = (1400x1100) TK

= 1540000 TK

Each engineer total salary = (1540000/3) TK

= 513333.3333 TK

= 513333 TK

Each engineer monthly salary = (513333/9)TK

= 57037 TK

Monthly 10hours[for 9months per hour salary 2000]

Maintenance cost = (9 x 10 x2000) TK

= 1,80,000 TK

Others(Utilities & transport) = (50000x9)TK [for 9 months]

= 4,50,000 TK

|  |  |
| --- | --- |
| Requirement cost | 50,000 TK |
| Total engineer salary | 15,40,000TK |
| Place rent | 1,80,000TK |
| Maintenance cost | 1,80,000 TK |
| Required equipment & training | 1,00000 TK |
| Others(Utilities & transport) | 4,50,000 TK |
| Total cost | 25,00,000TK |
| Profit(20%) | 5,00,000TK |
| Total Budget | 30,00,000TK |
| Discount | 10,000TK |
|  | 2,90,000TK |