**Effort Estimation**

We assume the SLOC (Source Lines of Code) = 7500.

Since, the type of our project is organic that’s why

Coefficient<Effort Factor> =2.4.

Project Complexity, P=1.05.

SlOC-Dependent coefficient, T=0.38.

**Effort:**

**PM=** Coefficient<Effort Factor> \*(SLOC/1000)p

=2.4\*(7500/1000)1.05

=19.91.

**Duration Time in Months for Project, ( Week days)**

**DM=** 2.5\*(PM)T

=2.5\*(19.91)0.38

=7.80=8 weeks

**Required number of people =ST**

**=**PM/DM

= ( 19.91/7.80 )

=2.55=3.

**Budget Estimation**

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| **Duration:** |
| 8 Weeks = 8\*7  =56 days. |

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| **Working days:** |
| 5 days.  (Per Week) |

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| **Working hours:** |
| 7 hours.  (Per Day) |

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| **Total working hours:** |
| 5**\***8=40 days.  40\*7= 280 hours. |

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| **Salary:** |
| Salary: = 1000/= (per hour).  Total Salary = 280\*1000  = 280000/=  (for three developer.) |

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| **Utility charge** |
| (per month) : 10000/=  (for 2 months) : (10000\*2)  : 20000/= |

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| **Office Rent** |
| (Per month) : 20000/=  (for 2 months) : (20000\*2)  : 40000/= |

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| **Conveyance** |
| Per day : 200/= (Per developer)  Per day (for 3 developer) : (200\*3) = 600/=  Total : (600\*40)=24000/=  (Total working days=40) |

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| **Maintenance cost** |
| (per month) : 40000/=  Total maintenance cost for 4 months : 4\*40000  :160000/= |

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| **Expenditure** | **Taka** |
| Total Salary | 280000/= |
| Utility charge | 20000/= |
| Office Rent | 40000/= |
| Conveyance | 24000/= |
| Maintenance cost for 4 months | 160000/= |
| For safety issue | 60000/= |
| Total Cost= | 584000/= |

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| 10% of total cost  (Marginal profit) | 58400/= |
| Total Amount  (after adding the marginal profit) | 642400/= |