CSE 471

Feasibility Analysis and Project management

Group: 05

No.	Name	ID
1.	Lamia Tabassum	16101203
2.	Tasneem Bin Ahmed	16101312
3.	Ananya Rahman	16301159
4.	Muhtadi Zubair	16301113
5.	Zarin Tasnim	16301179

Task 1

	Year 0	Year 1	Year 2	Year 3	Total
	(BDT)	(BDT)	(BDT)	(BDT)	(BDT)
Total Benefits		85,270	93,000	1,05,500	2,83,770
Total Cost	1,10,000	41,600	54,300	56,000	2,61,900
Net Benefits	(1,10,000)	(43,670)	38,700	49,500	21,870
(Total Benefits –					
Total Costs)					
Cumulative Net	(1,10,000)	(66,330)	(27,630)	21,870	
Cash Flow					

2, 61,900

BEP =

 $Number\ of\ years\ of\ negative\ cash\ flow\ +\quad That\ year's\ net\ cash\ flow\ -\ That\ year's\ cumulative\ cash\ flow\ -$

That's year's net cash flow

$$= 2 + \frac{49500-21870}{49500} = 2.56 years$$

Task 2

Description	Total Number	Complexity			Total
		Low	Mid	High	
Inputs	8	4*3	3*4	1*6	30
Outputs	15	10*4	3*5	2*7	69
Queries	25	10*3	9*4	6*6	102
Files	4	2*7	2*10	0*15	34
Program Interface	4	2*5	1*7	1*10	27
Total Unadjusted Function Points (TUFP):					262

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Total processing complexity, (PC) = 5
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Adjusted project complexity = 1+(0.01*5) = 1.05

Total adjusted function point = 1.05*262 = 275

Effort =
$$1.4*KLOC$$
 (**LOC** = $275*67 = 18425$, since for php= 67)

= 1.4*(18425/1000)

= 25.795

Time = $3*(25.795) ^1/3 = 8.86$ months