

Name: Muhammad Salem

Team: Volta

EVM

Task ID	Activity	Pred.	Duration	Budget	Progress	AC
1	Preparation	-	2	600	100%	600
2	Design	1	3	1200	100%	1400
3	Implementation	2	2	400	50%	200
4	Testing	2	3	1200	33.3%	500
5	Deployment	4	3	300	0%	0

	1 ST	2 ND	3 RD	4 TH	5 TH	6 TH	7 TH	8 TH	9 TH	10 TH	11 TH
1											
2											
3											
4											
5											

Task ID	Actual Cost/MONTH	Cost/Month
1	300	300
2	466.6	400
3	200	200
4	500	400
5	0	0

Task ID	ACWP	BCWP	BCWS	CPI	CV	SPI	SV
1	600	600	600				
2	1400	1200	1200				
3	200	200	400				
4	500	400	800				
5	0	0	0				
	2700	2400	3000	0.88	-300	0.8	-600

$$CPI = \frac{BCWP}{ACWP}$$

$$CV = BCWP - ACWP$$

$$SPI = \frac{BCWP}{BCWS}$$

$$SV = BCWP - BCWS$$

$$BAC = 3700$$

$$EAC = \frac{BAC}{CPI} = 4,204.5$$

Project is Overbudget and Behind Schedule

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Schedule:

- Task 3: Late by a Month
- Task4: Late by a Month

Budget:

- Task 2 spent 200 over budget
- Task 4 is likely to spend 300 over budget

Budget at the end of the project:

Assuming the same rates for the given takes; total cost will be = $600+1400+400+1500+300=4200$

Project will be over budget by $4200-3700 = 500$