Mentoring Via EVM

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

Total Actual Cost (until now) = 600 + 1400 + 200 + 500 + 0 **= 2700k$**

Total Cost that i should have been used (until now) = 600 + 1200 + 400(0.5) + 1200(0.33) + 300(0) **= 2400k$**

By how much, is it over/under budget?

- **Project is Over budget by** (2700 - 2400) **300$**

Total Months used (until now) = 7 months

Total Months that should have been used = 2 + 3 + 2(0.5) + 3(0.33) + 3(0) **= 7 months**

By how many days, is it ahead/behind the schedule?

- **Project is On schedule (**7 - 7 = 0 month delay**)**

Total Allocated Budget = 600 + 1200 + 400 + 1200 + 300 **= 3700k$**

Total Actual Cost after finishing the project = 600 + 1400 + 200(2) + 500(3) + 300 = **4200k$**

By the end of the project, by how much will it be over/under budget?

- **Project will be Over budget by (**4200 - 3700) **500$**

1- Cost Variance (CV) = Earned Value (EV) – Actual Cost (AC)

= 2400 – 2700

= -300k$

2- Schedule Variance (SV) = Earned Value (EV) - Planned Value (PV)

= 2400 - 2400

= 0

3- Cost Performance Index (CPI) = Earned Value (EV) / Actual Cost (AC)

= 2400 / 2700

= 0.88

4- Schedule Performance Index (SPI) = Earned Value (EV) / Planned Value (PV)

= 2400 / 2400

= 1

5- Budget at Completion (BAC) = Project Budget

= 3700k$

6- Estimate at Completion (EAC) = Budget at Completion (BAC) / Cost Performance Index (CPI)

= 3700 / 0.88

= 4200K$