Monitoring via EVM

Task ID	Activity	Pred.	Duration (months)	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	2	3	1200	33.3%	500
5	Deployment	4	3	300	0%	0

1. By How much, is it over/under budget?

Budget = 3700
AC = 2700
EV =2396

CPI = EV/AC
CPI = 2396/2700
CPI = 0.88 < 1 (Over Budget)

Budget – Ac = 300

- **Its over budget by 300$**

2. By How many days, is it ahead/behind the schedule?

- **Behind by 4 months**

3. By the end of the project how much will it be over/under budget?

VAC = BAC – EAC
VAC = 3700 – 4204.54
VAC = 504.54$

- **Its over budget by 504.54**

4. Calculate CV, SV, CPI, SPI, EAC.

No.	What is	Calculation	Answer
1	CV	EV-AC 2396-2700	-304
2	SV	EV-PV 2396-3700	1304
3	CPI	CPI = EV/AC CPI = 2396/2700	0.88
4	SPI	EV/PV 2396/3700	0.65
5	EAC	BAC/CPI 3700/0.88	4204.54