Monitor & Control EVM

The project is under budget by $1000K
The project should take 11 months and the project started 7 months ago, so the schedule is **one month** behind as task 3 is 50% done and it should be in 7 months, same for task 4.
By the end on the project the Budget will be over budget by more than $500K

	Budget	progress	AC	CV	SV	CPI	SPI
preparation	600	1	600	0	0	1	1
Design	1200	1	1400	-200	-200	0.857	0.857
Implementation	400	0.5	200	0	100	1	2
testing	1200	0.33	500	-104	231	0.792	2.4
deployment	300	0	0	0	0	0	0

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Task 1 = 100%

Task 2 = 100%

Task 3 = 50%

Task 4 = 33%

Percentage of completion = (100 + 100 + 50+33) / 4 = 70.75%

PV = 2200

EV = PV * % OF COMPLETION = 2200 * 70.75% = 1540 $

AC = 2700 $

BAC = 3700k $

Cost Variance (CV) = EV – AC =1540 – 2200 = -660

Schedule Variance (SV) = EV - PV = 1540 – 2200 = -660

Cost Performance Index (CPI) = EV / AC = 1540 / 2200 = 0.7

Schedule Performance Index (SPI) = EV / PV =1540 / 2200 = 0.7

Estimate At Completion (EAC) = BAC / CPI = 5285.7