

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

Q1)we are over the budget by at least 300k

Q2)we are behind schedule by at least two months

$$AC=600+1400+200+500=2700$$

$$EV=600+1200+400*0.5+1200*33.3=2400$$

$$CV=EV-AC$$

$$=2400-2700=-300k$$

$$SV=EV-PV$$

$$=2400-3000=-600k$$

$$CPI=EV/AC$$

$$=2400/2700=0.889$$

$$SPI=EV/PV$$

$$=2400/3000=0.8$$

$$EAC=AC+(BAC-EV)/CPI$$

$$=2700+(3700-2400)/0.889=4500$$