

kerols badr tawfik zaki team 5

## Task 12 EVM

EV = Progress * planned budget
--------------------------------

$$CV = EV - AC$$

**PV = planned value**

$$SV = EV - PV$$

Month	\$K	1	2	3	4	5	6	7	8	9	10	11	Progress %	EV	AC	CV	PV	SV
Project Planning	15	10	5										100%	15	14	1	15	0
Design Phase	30			16	4	4							80%	24	27	-3	24	0
Development Phase	50						20	10					60%	30	34	-4	30	0
Deployment and Launch	25												20%	5	10	-5	4	1
Maintenance and Support	30					2	2		1				10%	3	6	-3	0	0
Total BAC	150								1		1	1		77	91	-14	73	1
													CPI = EV / AC 84.60%	SPI =EV / PV 105%		project over budget by 14K		the project is ahead of schedule by 1 K or 1 month
													EAC = BAC/CPI 129.6					
													EAC = AC+BAC -EV 164					