**Case: Study: Monitoring via EVM**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Task ID | Activity | Pred. | Duration (Days) | Budget ($) | Progress | AC |
| 1 | Project Management | - | 5 | $500 | 100% | $400 |
| 2 | Planning | 1 | 13 | $300 | 100% | $300 |
| 3 | Design | 1, 2 | 6 | $400 | 100% | $450 |
| 4 | Production Phase | 3 | 19 | $1,400 | 65% | $1,100 |
| 5 | Integration and Deployment | 4 | 3 | $200 | 0% | $0 |

* Until now it is over budget by $50.
* Delayed by 8 Hrs.
* By end of the project, the budget will be over by $250.

EV = 73% x $2,800 = $2,044. AC = $2,250.

**CV = EV – AC = $ -204**

PV = $2,600

**SV = EV – PV = $2,044 - $2,600 = $ -556**

**CPI = EV/AC = $2,044 / $2,250 = 0.908**

**SPI = EV/PV = $2,044 / $2,600 = 0.786**

**EAC = Total project budget / CPI = $2,800 / 0.908 = $3,083.70**