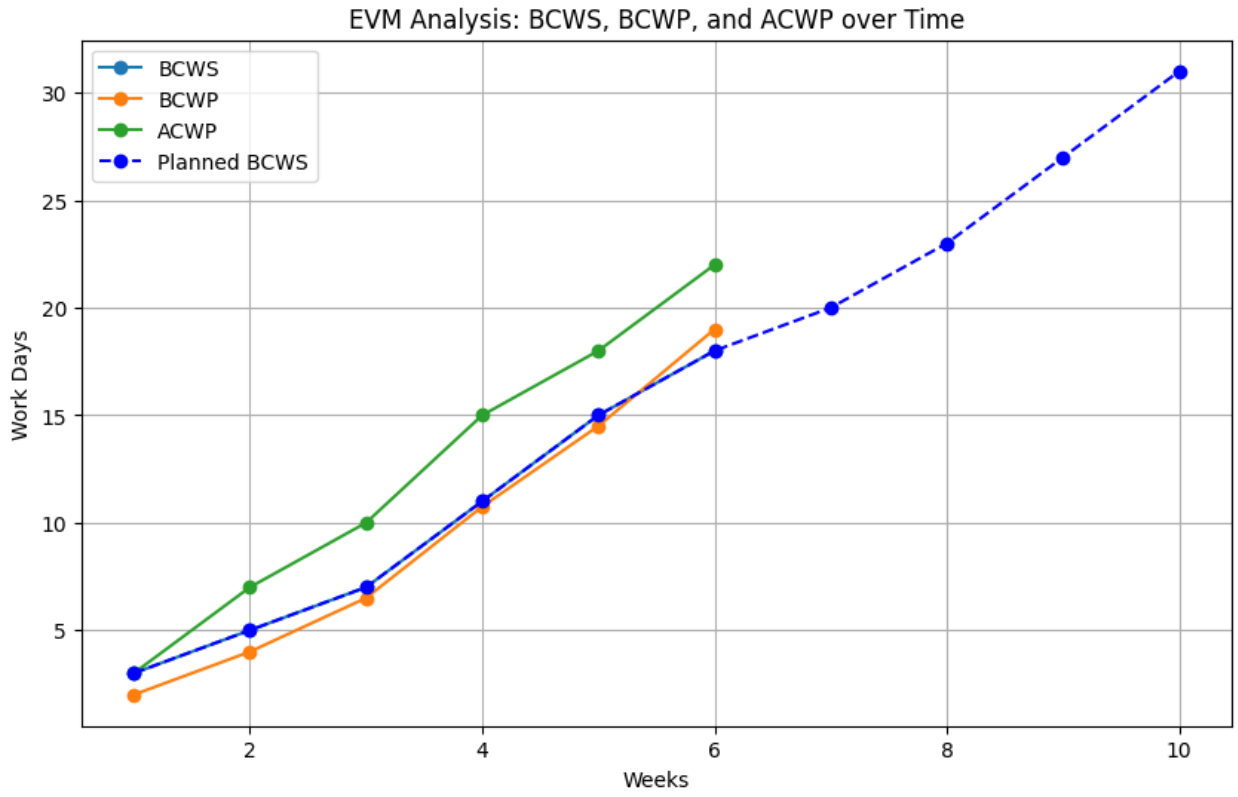
Table - Earned Value Data, Project XXX							
Task	Effort (value) (work days)	% Complete					
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Set Up	3	50	100	100	100	100	100
Get Specs	2	25	50	50	100	100	100
Design Output	10	0	0	25	50	75	100
Plan Tests	3	0	0	0	25	25	50
Write Code	5	0	0	0	0	25	50
Unit Test	3	0	0	0	0	0	0
Integrate	2	0	0	0	0	0	0
Beta Test	3	0	0	0	0	0	0
TOTAL	31						
BCWS		3	5	7	11	15	18
BCWP		*2*	*4*	*6.5*	*10.75*	*14.5*	*19*
ACWP		3	7	10	15	18	22
SV		*-1*	*-1*	*-0.5*	*-0.25*	*-0.5*	*1*
SPI		*0.67*	*0.8*	*0.93*	*0.98*	*0.97*	*1.06*
CV		*-1*	*-3*	*-3.5*	*-4.25*	*-3.5*	*-3*
CPI		*0.67*	*0.57*	*0.65*	*0.72*	*0.81*	*0.86*
BAC		31	31	31	31	31	31
IEAC		*46.27*	*54.4*	*47.7*	*43.1*	*38.3*	*36*
VAC		*-15.27*	*-23.4*	*-16.7*	*-12.1*	*-7.3*	*-5*
SAC		*8.96*	*38.75*	*33.3*	*31.6*	*32*	*29.2*
TCPI		*1.04*	*1.13*	*1.17*	*1.27*	*1.27*	*1.33*

Task 1: Fill in the values for BCWP, SV, SPI, CV, CPI, IEAC, VAC, SAC and TCPI for each of weeks 1-6 (use the space provided in the shaded portion of the table).

Task 2: Draw a line graph of BCWS, BCWP, and ACWP for each week. I.e., the horizontal axis is week, starting at 0 and going to 12, and the vertical values are in units of work days. There will be three lines; BCWS, BCWP, and ACWP. Extend BCWS to week 10 to show the original plan for completing the 31 units of work.



Task 3: Considering these metrics and graphs, indicate whether the project is ahead of or behind schedule and over or under budget, as of week 6, and indicate what you believe the final cost and schedule will be. Put those answers here:

The project is: *BEHIND* **schedule and** *OVER* **budget**

Final Cost is projected to be *HIGHER THAN THE BUDGETED 31 WORK DAYS* **because** *THE CPI AND SPI VALUES INDICATE THAT THE PROJECT IS NOT PERFORMING AS EFFICIENTLY AS PLANNED, LEADING TO INCREASED COSTS AND POTENTIALLY DELAYED COMPLETION.*

Final Schedule is projected to be *LONGER THAN THE PLANNED 10 WEEKS* **because** *THE SPI VALUES FOR WEEKS 2 THROUGH 6 ARE CONSISTENTLY BELOW 1, INDICATING THAT THE PROJECT IS BEHIND SCHEDULE. THE SPI FOR WEEK 6*

IS 1.06, WHICH SUGGESTS THAT THE PROJECT IS CATCHING UP SLIGHTLY BUT IS STILL NOT ON TRACK TO MEET THE ORIGINAL SCHEDULE. THE CUMULATIVE EFFECT OF BEING BEHIND SCHEDULE IN EARLIER WEEKS, COUPLED WITH THE NEED TO ACCELERATE WORK TO MEET DEADLINES, SUGGESTS THAT THE PROJECT WILL LIKELY TAKE LONGER THAN THE PLANNED 10 WEEKS TO COMPLETE.