Cyber Security Technologies

Earned Value Sheet
"Media Flayer"

Nov, 2024

Task Breakdown and Performance Metrics:

Task Name	Budget ($)	PV ($)	EV ($)	AC ($)	SV ($)	CV ($)	SPI	CPI	ETC ($)
GUI Development	10,000	10,000	10,000	9,000	0	+$1000	1	1.11	0
Social Media Scrapers	30,000	27,000	22,000	23,500	-5,000	-1,500	0.81	0.94	8,000
AI Reporting Integration	10,000	8,000	8,000	7,000	0	+$1000	1	1.14	0

Summary Metrics:

Metric	Calculation	Value
Planned Value (PV)	Sum of PV across tasks	$50,000
Earned Value (EV)	Sum of EV across tasks	$40,000
Actual Cost (AC)	Sum of AC across tasks	$39,500
Schedule Variance (SV)	EV - PV	-$10,000
Cost Variance (CV)	EV - AC	+$500
Schedule Performance Index (SPI)	EV / PV	0.8
Cost Performance Index (CPI)	EV / AC	1.01
Estimate to Complete (ETC)	BAC - EV	$10,000
Budget at Completion (BAC)	Total project budget	$50,000

Analysis and Recommendations

1. **Schedule Analysis:**
   - **SV (-$10,000, SPI = 0.80):** The project is behind schedule due to delays in completing the scrapers.
   - **Recommendation:** Reallocate resources to focus on completing the remaining scrapers, such as Instagram and TikTok, while maintaining progress on other tasks.
2. **Cost Analysis:**
   - **CV (+$500, CPI = 1.01):** Costs are under control despite delays.
   - **Recommendation:** Monitor costs closely to prevent potential overruns caused by scheduled recovery efforts.
3. **Overall Performance:**
   - The project is slightly behind schedule but maintaining a balanced budget. Immediate action to address delays in the scrapers is essential for project success.

Forecast:

Because there remains only $10,000 of work remaining and a CPI of 1.01, the project is on track to be completed within budget. However, adjustments to the schedule have proven critical in completion in the time allotted.