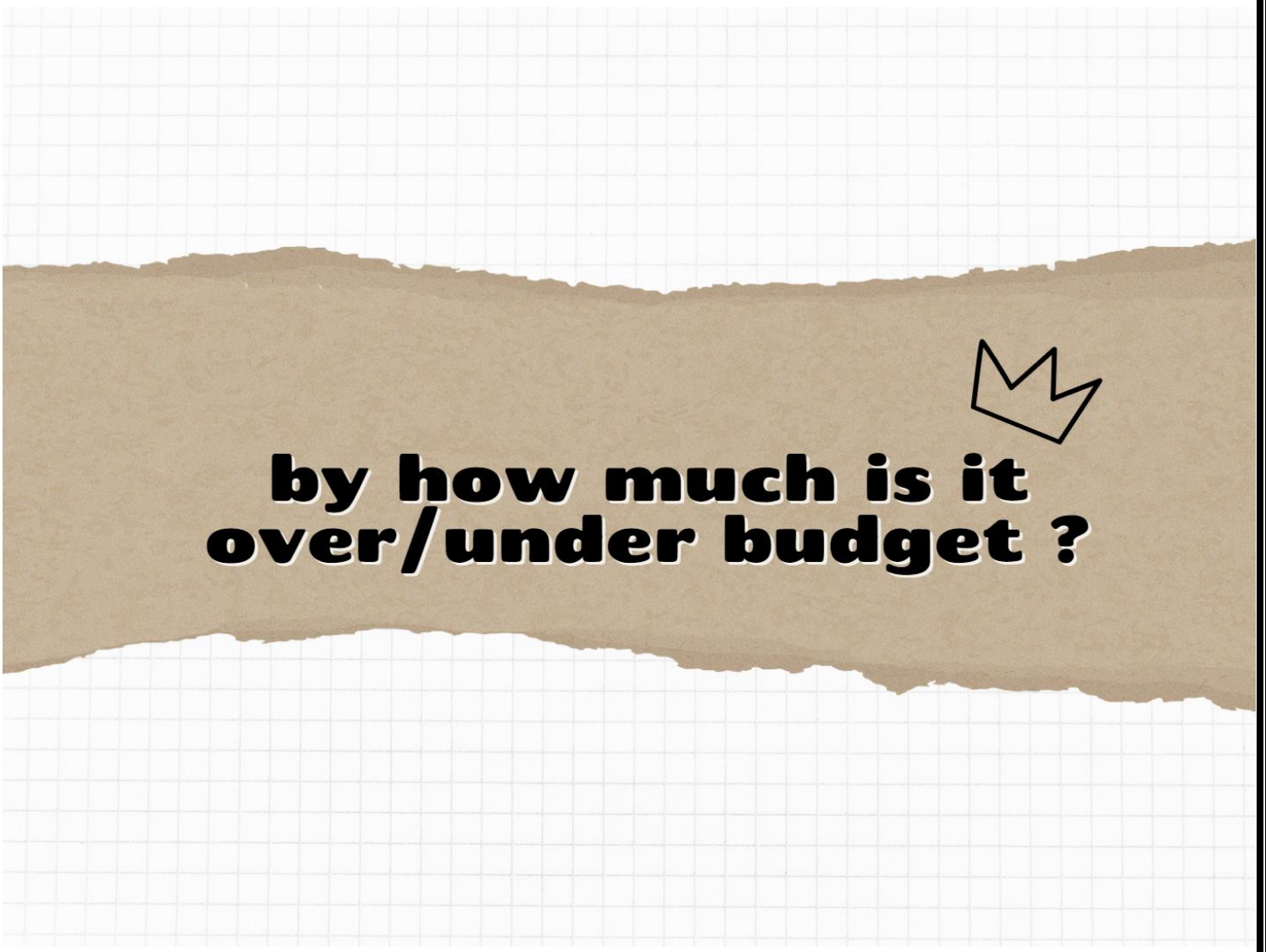
EVM

TASK ID	ACTIVITY	DURATION (WEEK)	BUDGET(K)	PROG	AC
1	Market research and analysis	4	50	✓	50
2	Technology development and testing	16	400	✓	400
3	Marketing and promotion	8	150	✓	150
4	Operations planning and execution	12	200	✓	200
5	Legal and regulatory compliance	8	100	✓	100
6	Contingency planning and risk management	48	100	✓	100


by how much is it
over/under budget ?

According to the EVM analysis in the project status report, the cost variance (CV) for The Alshaya Card project is $200,000. A positive CV indicates that the project is under budget, meaning that the actual cost incurred for the work completed to date is less than what was budgeted. Therefore, in this case, the project is currently under budget by $200,000.

by how many days is it ahead/behind the schedules?

According to the EVM analysis in the project status report, the schedule variance (SV) for The Alshaya Card project is -$200,000. A negative SV indicates that the project is behind schedule, meaning that the actual progress to date is less than what was planned. However, it is important to note that the SV value is expressed in terms of dollars, not time.

To determine the number of days by which the project is behind schedule, we need to calculate the schedule performance index (SPI) SPI = $600,000 / $1,200,000 = 0.5

An SPI of 0.5 means that the project is only 50% on track to meet the planned schedule

by the end of project , by how much will be over/ under budget ?

Based on the EVM analysis in the project status report, the project is currently under budget by $200,000 (the cost variance is positive).

Calculate CV, SV, SPI , CPI ,EAC

To calculate the cost variance (CV), schedule variance (SV), schedule performance index (SPI), cost performance index (CPI), and estimate at completion (EAC), we need the following information:

Budget at completion (BAC): $2,000,000
Planned value (PV): $1,200,000
Actual cost (AC): $1,000,000
Earned value (EV): $600,000

CV = EV - AC
CV = $600,000 - $1,000,000
CV = -$400,000 (the negative value indicates that the project is over budget)

SV = EV - PV
SV = $600,000 - $1,200,000
SV = -$600,000 (the negative value indicates that the project is behind schedule)

SPI = EV / PV
SPI = $600,000 / $1,200,000
SPI = 0.5 (indicates that the project is 50% on track to meet the planned schedule)

CPI = EV / AC
CPI = $600,000 / $1,000,000
CPI = 0.6 (indicates that the project is earning only 60 cents for every dollar spent)

EAC is:
EAC = AC + (BAC - EV)
EAC = $1,000,000 + ($2,000,000 - $600,000)
EAC = $2,400,000

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