**SPM Task 09**

**Project Title: Kasheer Shawls – E-commerce Platform**

**Group Members’ Names & Roll Numbers:**

i. Abdul Ur Rehman Butt — [2022-SE-27]  
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**Project EVM Table (as of Week 9)**

| **Metric** | **Value** | **Interpretation** |
| --- | --- | --- |
| **PV** | Rs. 60,000 | Planned budget up to this point |
| **EV** | Rs. 52,000 | Value of work actually completed |
| **AC** | Rs. 64,000 | Actual cost incurred till date |
| **CV** | -Rs. 12,000 | Over budget (CV = EV – AC) |
| **SV** | -Rs. 8,000 | Behind schedule (SV = EV – PV) |
| **CPI** | 0.81 | Low-cost efficiency (CPI = EV / AC) |
| **SPI** | 0.87 | Progressing slower than planned (SPI = EV / PV) |
| **BAC** | Rs. 120,000 | Planned total project cost |
| **EAC** | Rs. 120,000 / 0.81 = Rs. 148,148 | Forecasted total cost |
| **VAC** | Rs. 120,000 – Rs. 148,148 = -Rs. 28,148 | Expected cost overrun |

**Status Report Summary**

**Date:** Week 9  
**Phase:** Mid-Development  
**Overall Status:** *At Risk*

**Summary of Current Progress:**

1. Frontend design (UI/UX) is 100% complete
2. Backend product catalog and authentication system: 60% complete
3. Payment gateway and order tracking: 20% complete
4. Testing not yet started

**EVM Analysis:**

1. The project is currently **over budget by Rs. 12,000**
2. The project is **8,000 Rs behind schedule**
3. Forecast indicates total cost may reach **Rs. 148,148**, exceeding the original budget by over **23%**
4. **CPI = 0.81**, suggesting inefficient cost usage
5. **SPI = 0.87**, indicating schedule slippage

**Risk/Delay Warnings:**

1. Backend complexity is causing time and cost overruns
2. Payment gateway integration is slower due to external API limitations
3. If trend continues, project may miss the final deployment milestone

**Corrective Actions:**

1. **Reallocate development resources** to accelerate backend completion
2. **Optimize existing codebase** to reduce debugging and rework
3. **Initiate early testing** for completed modules to save time later
4. **Communicate with stakeholders** about current delays and revised estimates
5. **Plan for buffer time** in upcoming sprints