# Project Management

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# Chapter 12 Project Monitoring and Control

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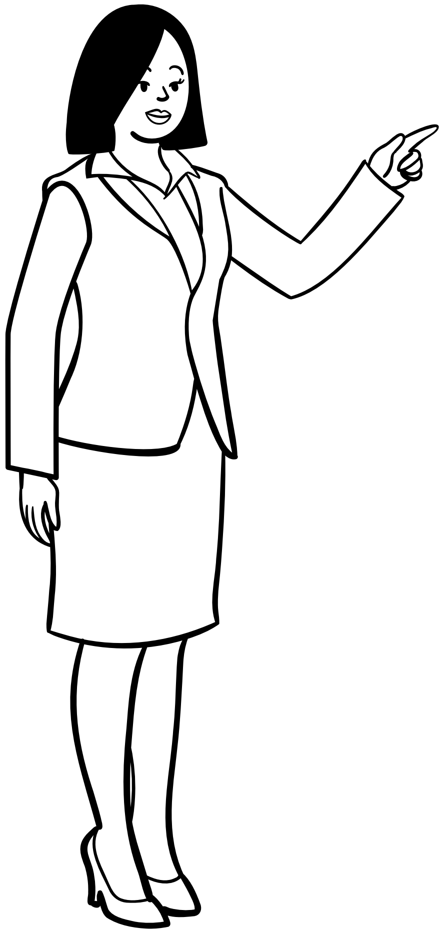
# Learning Objectives

- Understand project monitoring and control
- Identify monitoring techniques
- Learn performance measurement
- Explain corrective actions

# Introduction to Monitoring and Control

- Monitoring and control ensure project stays on track.
- They compare actual performance with the plan.

# Importance of Monitoring and Control



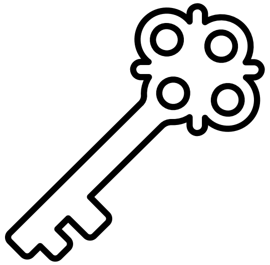
- Monitoring and control ensure project stays on track.
- They compare actual performance with the plan.

# Key Monitoring Activities

- Track progress
- Measure performance
- Control changes

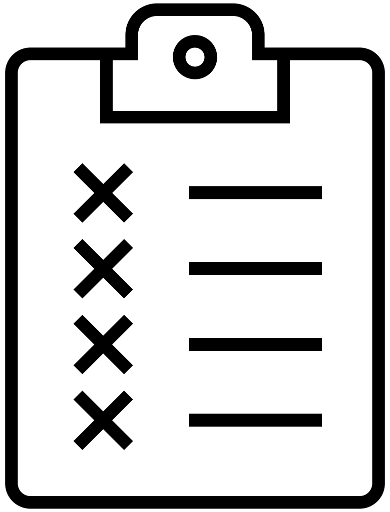
# Performance Measurement

- Measures time, cost, scope, and quality.
- Uses defined metrics.



# Key Performance Indicators (KPIs)

- Schedule variance.
- Cost variance.
- Defect rate.

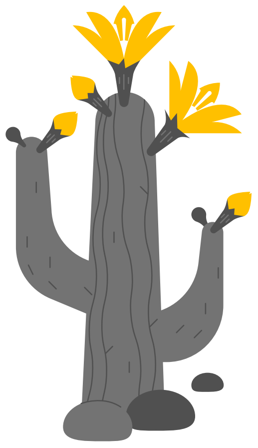


# Earned Value Management (Overview)

- Integrates scope, schedule, and cost.
- Provides objective project status.

# Change Control Process

- Submit change request.
- Evaluate impact.
- Approve or reject changes.



# Scope Monitoring

- Ensures work matches approved scope.
- Prevents scope creep.

# Schedule Control

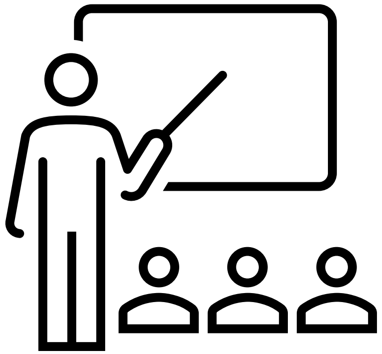
- Tracks timeline performance.
- Adjusts activities if delays occur.

# Cost Control

- Monitors budget usage.
- Identifies cost overruns early.

# Quality Control

- Ensures deliverables meet quality standards.
- Uses testing and reviews.



# Risk Monitoring

- Tracks identified risks.
- Monitors new risks.

# Status Reporting

- Provides regular progress updates.
- Supports stakeholder communication.

# Corrective Actions

- Actions taken to fix deviations.
- May include re-planning or resource adjustment.

# Preventive Actions

- Actions taken to avoid future problems.
- Improve processes proactively.

# Common Monitoring Challenges

- Late reporting
- Inaccurate data
- Poor communication

# Summary

- Monitoring and control keep projects aligned with plans.
- Effective control improves success

# Review Exercise

1. What is project monitoring and control?
2. Why is performance measurement important?
3. What is change control?
4. Name two KPIs.
5. What are corrective actions?