

C-AE24 Strategic Business Analysis

## **Module 10**

# **Information System Advisory: The Old Way vs. The Next Wave**

Rosalinda E. Perez, CPA, MBA, LPT





# Become a Strategic Asset

Multi-billion dollar enterprises no longer want compliance reporters. They want **strategic visionaries** — leaders who can spot hidden operational leaks and guide executive boards toward high-profit decisions.

- ❏ Information Systems Advisory doesn't teach you to write code. It teaches you to **control the digital platforms** that generate and protect a company's entire cash flow pipeline.

ERP: The Enterprise Core

# The Digital Spine of an Organization



Imagine Sales, Warehouse, and Finance operating in total isolation — absolute chaos. **Enterprise Resource Planning (ERP)** eliminates that fragmentation.

When a customer places a single online order, a well-configured ERP instantly:

→ **Updates Inventory**

Stock counts adjust in real time

→ **Triggers Logistics**

Delivery workflows activate automatically

→ **Posts the Journal Entry**

No human intervention required

The Hard Truth

# 70% of Software Projects Stall

# 70%

## Implementation Failure Rate

Enterprise software rollouts that suffer major cost overruns or complete failure

The culprit is almost **never a software bug**. Projects fail due to:

- **Dirty data** migrated into new systems
- **Unmanaged project scope** that spirals out of control
- **Human resistance** to new technology and workflows

This course teaches you the elite art of **Change Management** — ensuring that a company's people are just as prepared for transformation as the tools are.

# Turning Numbers into Stories

## **Descriptive**

What happened in the past

## **Diagnostic**

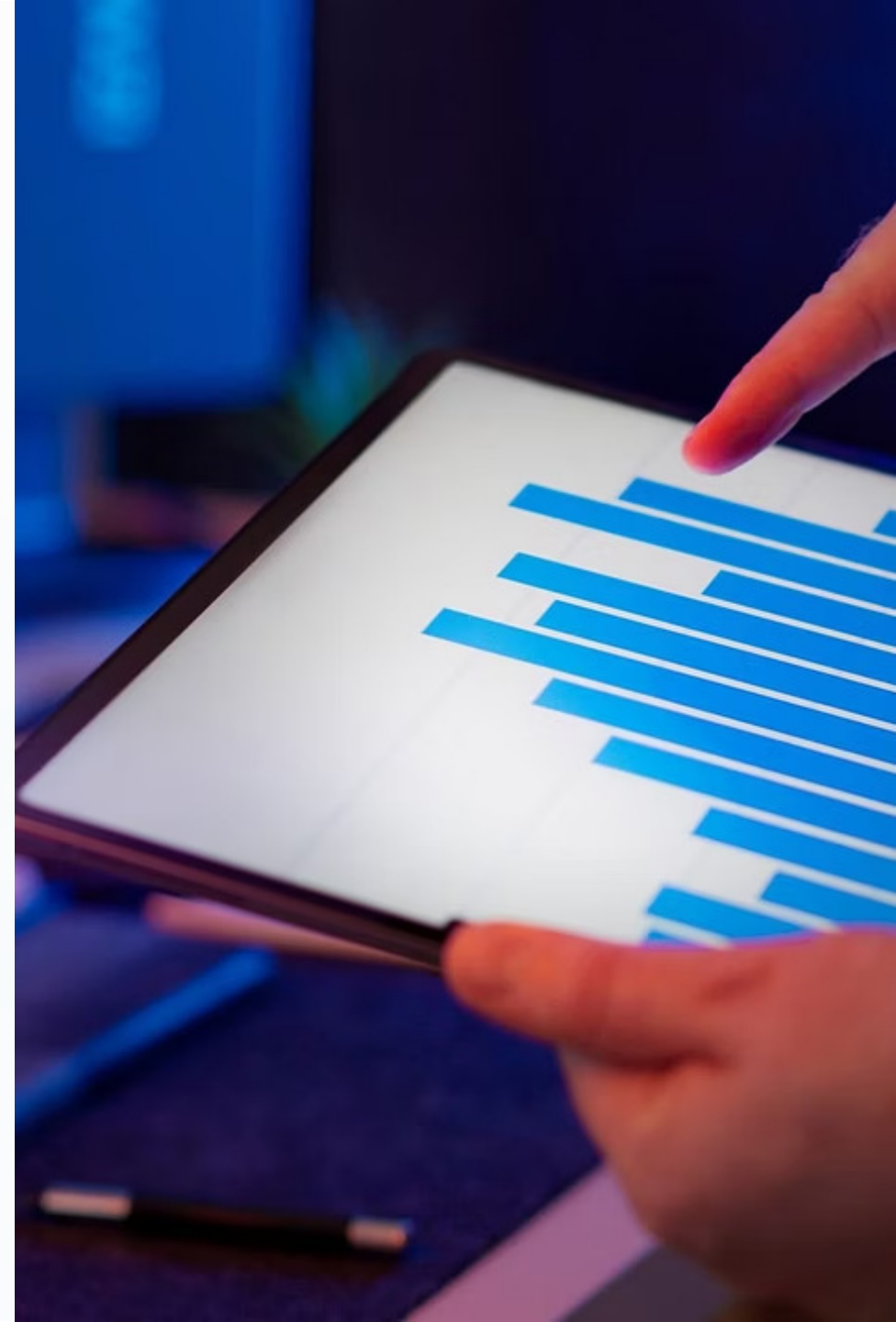
Why bottlenecks occurred

## **Predictive**

What market demand looks like ahead

## **Prescriptive**

Exact moves executives must make to win



## Business Intelligence

# Command Decisions at a Glance

Corporate leaders don't have time to scroll through thousands of rows of raw accounting data. They demand **clarity in a single glance**.

You will master industry-standard BI tools like **Power BI** and **Tableau** — building the visual control panels that allow CEOs to monitor corporate health and execute decisions in real time.

Like a car's dashboard: executives don't need to see the raw electrical current — they need an accurate speedometer.





# Defending the Digital Fortress

Building powerful systems is only half the battle. **Enterprise financial ledgers are the #1 target for global cybercriminals** — because that's where the liquid capital lives.



## Phishing & Social Engineering

Deceptive attacks that exploit human trust to gain system access



## Ransomware

Malicious software that holds entire operations hostage for payment



## Insider Threats

Internal actors who exploit excessive system access and weak controls

## IT General Controls

# The Three Pillars of Security



### Access Management

Users see only what they need. Enforced by **role-based permissions** and multi-factor authentication to prevent unauthorized entry.



### Change Management

Software updates are tested in **isolated sandbox environments** before they ever touch live financial ledgers.



### Operations & Backups

Continuous, secure data backups ensure a physical disaster can **never permanently erase** a company's financial history.

## Forensic Data Analysis

# Playing Digital Detective



Traditional audits test tiny random samples. **Forensic analytics scans 100% of historical transactions — instantly.**

You will learn to flag:

- Suspicious postings made at **3 AM on holidays**
- **Duplicate vendor invoices** hidden across large datasets
- Statistical anomalies caught by **Benford's Law** — a mathematical pattern that exposes manipulated figures

## Module 10: Master the Digital Frontier

# Your Career Upgrade Starts Now

You are shifting from **record keeper** to **indispensable strategic partner**. By combining your accounting foundation with enterprise systems, analytics, and risk governance, you are unlocking a highly lucrative path into top-tier corporate consulting.

ERP Systems

BI & Analytics

Cybersecurity

Forensic Audit

