

# IT Project Management Course Outline- 3 Days

*“A Scenario-Based: Model-Centric, Iterative/Agile and integrated Approach”*

## Day 1

### Introduction to Integrated IT Project Management-Module 1

Introduction

[Questions to think about: Responses from class participants-Scenarios Developments](#)

Project Problems: Management of IT Projects

The Increasing Demand for Integration

Role of Executive Management

A Real-World Problem Scenario: Managing Major IT Project

A Real-World Solution Scenario: Managing Major IT Project

Real-World Problem Scenario: Managing multiple IT Projects (Program)

Real-World Solution Scenarios: Managing multiple IT Projects (Program)

Gaining Acceptance for Integration

Summary and [IT Project Management Schedule using Microsoft Project- Exercises](#)

Endnotes: Key Project Management Terms

[Questions to think about-Solutions: Project Management Perspectives; Improvements & Actions](#)

Module Testing Questions

Recommended Readings

### Integrated IT Project Management Framework-Module 2

Introduction

[Questions to think about: Responses from class participants-Scenarios Developments](#)

Program Organizational Structure: Rationale

Business Management

Project Management

IT Management

Program Delivery Manager Key Responsibilities

Applying Integrated Framework to Other Disciplines

Alternate Project-Based Organizational Structure

Summary and [IT Project Management Schedule using Microsoft Project- Exercises](#)

Endnotes: Key Project Management Terms

[Questions to Think about-Solutions: Project Management Perspectives; Improvements & Actions](#)

Module Testing Questions

Recommended Readings

## Day 2

### **Business Management Model-Module 3**

Business Management

[Questions to think about: Responses from class participants-Scenarios Developments](#)

Business Systems Planning/Architecture

Project Value Justification (Business Priorities)

Project Funding Allocations

Project Funding/Deliverables Approach

Program Steering and Working Committee

Business Initiatives Support

Summary and [IT Project Management Schedule using Microsoft Project- Exercises](#)

Endnotes: Key Project Management Terms

[Questions to Think about-Solutions: Project Management Perspectives; Improvements & Actions](#)

Module Testing Questions

Recommended Readings

### **Performance Management Model-Module 4**

Project Management

[Questions to think about: Responses from class participants-Scenarios Developments](#)

IT PDLC Project Model

IT Project Management Delivery Processes

Project Management Office (PMO) Support

Summary and [IT Project Management Schedule using Microsoft Project- Exercises](#)

Endnotes: Key project Management Terms

[Questions to Think about- Solutions: Project Management Perspectives; Improvements & Actions](#)

Module Testing Questions

Recommended Readings

### **Information Technology Management Model-Module 5**

Information Technology Management

[Questions to think about: Responses from class participants-Scenarios Developments](#)

Resource Allocations

Project Cost Estimating

Data Architecture & Big Data/Analytics

Applications Architecture

Technology Architecture

Applications and Technology Support Services

Summary and [IT Project Management Schedule using Microsoft Project- Exercises](#)

Endnotes: Key Project Management Terms

[Questions to Think about-Solutions: Project Management Perspectives; Improvements & Actions](#)

Module Testing Questions

Recommended Readings

### **Day 3**

#### **Integrated IT Project Delivery Life Cycle Model-Module 6**

Introduction

[Questions to think about: Responses from class participants-Scenarios Developments](#)

IPM-IT Framework

Master Work Breakdown Structure (WBS)

Real-World Scenarios (WBS)

IT PDLC Process Model

Applying IT PDLC Model

Real-World Scenarios: PDLC

Project Definition: Project Definition Model

Project Analysis: Demonstration Prototype

Project Architecture: Evolutionary Prototype

Project IDPs: Iterations #1, #2, #3

PMO Support Services

Summary and [IT Project Management Schedule using Microsoft Project- Exercises](#)

Endnotes: Key Project Management Terms

[Questions to think about-Solutions: Project Management Perspectives; Improvements & Actions](#)

Module Testing Questions

Recommended Readings

#### **Aligning IPM-IT & PMBOK Frameworks with Industry Best Practices-Module 7**

Introduction

[Questions to think about: Responses from class participants-Scenarios Developments](#)

Applying IPM-IT Framework with PMBOK

Applying IPM-IT/PMBOK Framework with Traditional SDLC Approach

Applying IPM-IT/PMBOK Framework with RUP

Applying IPM-IT/PMBOK Framework with Iterative/Agile Approach

Applying IPM-IT/PMBOK Framework with SCRUM

PMO Support Services

Summary and [IT Project Management Schedule using Microsoft Project- Exercises](#)

Endnotes: Key Performance Management Terms

[Questions to think about:-Solutions: Project Management Perspectives Improvements & Actions](#)

Module Testing Questions

Recommended Readings

[Final 3-hour Examinations](#)

**Appendices:**

Detailed Microsoft Project Schedule-Deliverables Level

IPM-IT Detailed Microsoft Project Schedule-Deliverables Level

RUP Detailed Microsoft Project Schedule-Deliverables Level