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PMI SP Training

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Course Overview

You get to learn project schedule planning and development. We also look at a sophisticated case study on schedule management of NASA.

PMI SP Training Skills

We learn the following skills:

You will learn the basic roles and responsibility of the project manager. After completion, of course, you will be able to handle any project in time and an estimated budget.

You will be recognized easily by the employers among the crowd.

You will be able to manage people through change

You will become a great leader

Course Features



Course Duration- 30 + Hours



Number of Courses



Verifiable Certificates



Lifetime Access



Technical Excellence

About PMI SP

Project schedule Management is a systematic project management process used to forecast the variances in projects by comparing the work scheduled and work accomplished.

It is a management that cares for successful completion of projects in estimated budget and duration.

In the current competitive market, quality work at the projected cost and timely completion of any project is the main goal of any consulting firm or industry.

PMI SP Course

This is a Bundle Course that includes complete in-depth PMI SP Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a PMI SP professional.

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Schedule Strategy

Section 1. Introduction

- Introduction to PMI SP
- PMI SP Exam Content Outline

Section 2. Scheduling

- Concept of PMI SP
- Scheduling in Simple Terms
- Objective of Scheduling

Section 3. Schedule Model

- Scheduling Principles
- List the Deliverable
- Software Project Types

Section 4. PMI Scope Management

- PMI Scope Management
- Project Scope Management Summary
- Planning Scope Management
- PMI Requirement Definition
- Collecting Requirements

Section 5. PMI Work Breakdown Structure

- Requirement Trace Ability Matrix
- Work Break Down Structure
- Approaches for Work Breakdown Structure
- WBS Dictionary and Scope Baseline
- Advice for Creating WBS
- WBS Dictionary
- Controlling Scope

Section 6. User Involvement and

- Suggestions Improving User Inputs
- Schedule Model and Concepts

Section 7. PMI Time Management

- Define Activities
- Sequence Activities
- Project Time Management-PMI
- Project Time Management Summary
- Activity Sequencing
- Network Diagrams

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Schedule Planning and Development

Section 1. Diagramming Methods-

Schedule Management

- Arrow Diagramming Method

Section 2. Estimation and Schedule

Development

- Resource Estimation
- Schedule Development

Section 3. Gantt Charts

- Gantt Charts and Example
- Critical Path
- Determining Critical Path

Section 4. Schedule Development

Process-PMI

- Schedule Development Process Critical Points
- Schedule Development Process Diagram-High Level
- Schedule Process Diagram-Detail Level
- Scheduling Method
- Critical Path Method
- Schedule Tool

Section 5. Schedule Model Good

Practices-PMI

- Schedule Model Management Good Practices
- Schedule Model Management Parameter
- Schedule Model
- Schedule Model Instances
- Schedule Data Management Plan
- Schedule Model Management Plan
- Performance Indicators in Schedule Model
- Schedule Model Creation

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Schedule Planning and Development

Section 6. Develop Schedule Model Baseline

- Develop Schedule Model Baseline
- Sequence Activities in Develop Schedule Model
- Lags in Develop Schedule Model
- Approve Schedule
- Summary of Baseline Schedule Model

Section 7. Schedule Model Maintenance

- Schedule Model Maintenance
- Updating Schedule Models
- Example of Updating Schedule
- Maintain Records in Schedule Model

Section 8. Schedule Model Analysis

- Schedule Model Analysis
- Probabilistic Distribution Schedule Model
- Schedule Risk and Open Ended Activities

Section 9. Communication and Reporting

- Out of Sequence(OOS) Logic
- Leads and Lags
- Communication and Reporting

Section 10. Productivity Measures

- Productivity Measures
- Measurement Problems
- Productivity Comparisons
- Importance of Objectives
- Business Objectives with Action
- Function Points
- Estimation Techniques
- Types of Techniques-In detail

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NASA Case Study

Section 1. Introduction

- Introduction on NASA Case Study Schedule Management

Section 2. NASA Schedule

- Documents of NASA Case Study
- NASA Schedule Management Overview
- Integrated Master Schedule
- Program Integrated Master Schedule
- Project Integrated Master Schedule
- Schedule Management Plan (SMP)

Section 3. Roles and Responsibility

- Role of Project Manager
- Role of a Planner
- Contractor Schedules Management
- Contractor Schedules and Coordination
- Inhouse Projects
- Schedule Management Plan
- Integrated Master Schedule
- Developing and Control Process
- External Organization Schedules and Coordination
- Baseline Review and Integrity
- Management or Reporting Agreement
- Schedule Management Tool

Section 4. PreSchedule-Development Activity

- Pre Schedule Activities
- Program or Project Scope
- Project Breakdown Structure
- Sample Software WBS
- A Project Management Tool

Section 5. NASA Schedule Development

- Schedule Management
- Time Phased Sequence
- Input Task and Milestone
- Task Oriented Approach
- Task and Activity Definition
- Task and Activity Decomposition
- Task and Activity Schedule Detail

Section 6. NASA Task Sequencing

- Detailed and Summary Task
- Task and Activity Sequencing
- Lag and Lead Use
- Describing Constraints

Section 7. Pace of the Projects

- Schedule Risk and Uncertainty
- Pace Line and Schedule
- Time Critical Projects
- Overview on Projects

Section 8. Duration Estimating

- Determining Task Duration
- Schedule Calendars and Resources
- Concept of Resource Planning
- Determining Resource Rates
- Identifying Schedule Margin

Section 9. Establishing IMS Baseline

- Establishing IMS Baseline
- IMS Baseline Float
- Network Logic
- Understanding Schedule Projects

Section 10. Schedule Update And Maintenance

- Status Update and Maintenance
- Schedule for Percentage
- Update Methodology and Frequency
- Status Update Accounting
- Adding New Task

Section 11. Real Timehandling

- Status Assessment and Analysis
- Management Traits for Project Success

Section 12. Traits of Leadership

- Management Intensity and Credibility
- Clear Vision and RealTime Connection
- Essential Traits of Leadership
- Managing and Strategy
- Schedule Logic Credibility Health
- Critical Path Identification and Analysis
- Sample Report from NASA

Section 13. Schedule Assessment and Analysis

- NASA Example on Critical Analysis
- Schedule Performance Trend Analysis
- Analysis on Past Performance
- Baseline and Current Comparison
- Joint Confidence Level

Section 14. Dimensions For Project Managers

- Dimensions of the Managers
- Productive Work and Worker Achievement
- Objectives on Dimensions of the Managers
- Effective Administration in Dimensions
- Illustration on Effective Administration

Section 15. Earned Value Schedule Analysis

- Earned Value Schedule
- Methods of Earned Value Schedule

Section 16. Schedule Control

- Understanding Schedule Control
- Baseline Control Process
- Schedule Control Process
- Process of Replanning Control

Section 16. Schedule Reporting

- Understanding Schedule Reporting
- Practices for Schedule Reporting
- Program Schedule Logic Network
- Critical Path Identification
- Overview on Schedule Reporting
- Historical Narrators in NASA

Section 17. Management by Objectives

- Understanding Management Objectives
- Successful Objectives for Management
- Self Control in Management



NASA Case Study

Section 18. PMI SP Schedule

Planning and Development

- Schedule Planning and Development
- Estimate Activity Durations
- Predictable and Unpredictable Risk
- Recognizing Project Management Failure
- Handling Unrealistic Deadlines
- Factors for Project Schedule
- Learning Developer Communication
- Principles for Project Schedule
- Relationship between People and Effort
- Defining a Task Set
- Mechanics of Time Line Chart
- Milestones for Object Oriented Projects

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Project Scheduling

Section 1. Best Industry Practices for Schedule Creation

- Creating Microsoft project plan
- Auto scheduling
- Defining the project resource
- Resource definition and reports

Section 2. Schedule Model Good Practices-Part

- Analyzing the schedule output
- Design the project logic
- Designing an effective coding structure
- Developing the Scheduling framework
- Designing the schedule module

Section 3. Schedule Development Process Overview

- Project Schedule and Maintenance
- Schedule Development Process Overview

Section 4. Overview of Schedule Model

- Importance of Activity in Schedule Plan
- Overview of Schedule Model and WBS

Section 5. Introduction to Practice Standards for Scheduling

- Introduction

Section 1. Introduction

- Introduction

Section 2. Need for Project Schedule Management

- Need for Project Schedule Management
- Steps to determine Project Schedule

Section 3. Effort / Schedule / Cost Estimation

- Effort Estimation
- Schedule Estimation
- Resources and Schedule Weeks

Section 4. Overview of Schedule Model

- Importance of Activity in Schedule Plan
- Overview of Schedule Model and WBS

Section 4. Work Breakdown Structure (WBS)

- Work Breakdown Structure
- WBS General Example
- Characteristics and Types of WBS
- WBS Example - Banquet
- Process-Centered WBS
- WBS Benefits



Frequently Asked Questions

Why should I do this PMI SP Certification Training?

Because there's no better PMI-SP course you would find in the market. If you're willing to learn the tools and techniques of the project schedule, your search ends here.

I'm in a Management student. Can I do this PMI SP Training?

Yes, you can. In fact, this course is highly recommended. If you want to get your desired job in the field of Project scheduling and management and want to grow in this field, you must do this PMI SP course.



Customer Reviews

“

The course was very useful, interesting and enjoyable, with very good information that helped me understand the process of project scheduling and planning, in addition to understanding the importance of good project planning and the importance of project management professionally, and on the other hand the course helped me understand how the program works very clearly .

This course is my first experience in free online courses. It was a pleasant experience and I hope it will continue.

Nhia Mai Lor

”

Very helpful overview. Thank you so much, I've learn so much with this short video overview of schedule model. Everything was easy and simple to understand and all the video was so helpful. I really like chapter 5 example of the project scheduling model, so helpful. Thank you so much!!

Zackary Haley Hopkins



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