COURSE NAME

Project Planning, Scheduling & Cost Control Professional – Preparing For PMI-SP Certificate – Certified Program by PMI

COURSE DURATION

Five days

COURSE DESCRIPTION

The Project Planning, Scheduling & Cost Control Professional – Preparing For PMI-SP Certificate – Certified Program, offered by Arcan Academy, is a comprehensive training program designed to provide participants with the knowledge and skills required to effectively plan, schedule, and control project costs. This program covers the Project Management Institute (PMI)® Scheduling Professional (PMI-SP)® certification exam topics, which are essential for project managers, schedulers, and project control professionals. The program includes lectures, case studies, group discussions, and practice exams to provide participants with a deep understanding of project planning, scheduling, and cost control processes, tools, and techniques. Additionally, this program provides participants with the necessary knowledge and expertise to successfully pass the PMI-SP® certification exam.

COURSE OBJECTIVES

The objective of the Project Planning, Scheduling & Cost Control Professional – Preparing For PMI-SP Certificate – Certified Program is to provide participants with the knowledge and skills required to effectively plan, schedule, and control project costs. By the end of this program, participants will be able to apply project planning, scheduling, and cost control concepts and principles in real-world situations, understand project management processes and best practices, effectively communicate with stakeholders, manage project scope, schedule, cost, quality, resources, and risks, and understand professional and social responsibility in project management. Moreover, participants will be well-prepared to pass the PMI-SP® certification exam, which is globally recognized as a mark of excellence in project planning, scheduling, and cost control. This program is ideal for project managers, schedulers, project control professionals, and anyone aspiring to enhance their project planning, scheduling, and cost control skills and advance their careers in project management.

COURSE OUTLINES

DAY 1

- Course Introduction
  - Nature of the PSP Exam
  - Test procedure
  - Application Process and Requirements
  - The Nature and Type of Questions
- Introduction to Project Management Fundamentals
- Project definitions and characteristics
- Project life cycles and Project Management life cycle
- Organizational Breakdown Structure (OBS) & Cost Breakdown Structure (CBS)
- Work breakdown structure (WBS)& work packages and Activity Identification
- Time Management environment
- Network planning tools and techniques
- Estimating Durations
  - Program Evaluation and review Technique (PERT)
  - Critical path method (CPM)
  - Monte Carlo Simulation
- Working with Activities
  - Activity Types (milestone – Level of effort..)
- Workshops

DAY 2

- Activity on Arrow (AOA) Networks
- Activity Logic
- Activity on Arrow (AOA) Schedule calculations
- Logic error and problems
- Schedule compression techniques
- Crashing and Fast Tracking
- Solved Examples
- Workshops on Arrow Diagram Method

DAY 3

- Precedence Diagram Method (PDM) / Activity on Node (AON)
- Schedule Development Calculations
- Constraints Types
- Working with Calendars
- Activity Splitting
- Update the Schedule
- Professional Project Reports
- Solved Examples
- Workshops on Precedence Diagram Method

DAY 4

- Resources Allocation
- Working with control Accounts
- Setting Up a Cost Account Structure
- Producing Resource Usage Profile
- Analyzing Resources and Costs
- Performance Measurement Reports
- Earned Value Management
- Project Risk Management
- Multiple Key parties in Real Project environment
- Workshops

DAY 5

Real 5 Hours Exam simulation

TRAINING METHODOLOGY:

- Pre-assessment
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- slides and handouts

- Post-assessment

DELIVERY METHOD:

- In person
- Online