PMP® Certification 2021 PMBOK® 6, Part 12 of 13: Tools and Techniques

Meet the expert: Steve has been involved in the Information Technology Industry for over 35 years and is experienced in the management and control of all aspects of technology projects. Steve has successfully delivered a myriad projects in a large number of industry segments. He has developed a solid understanding of the issues and principles required to successfully implement solutions using a combination of rapid development techniques and traditional Project Management to ensure projects are delivered on time while still ensuring end user satisfaction. Steve has lectured part-time at local universities teaching courses in Project Management, Information Systems and Systems Analysis at both graduate and under-graduate levels. >

Prerequisites: It will be helpful to have watched earlier parts in the PMP Certification (PMBOK 6) series

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Course description: The new version of the Project Management Professional (PMP)® certification exam launched on 2 January 2021. It took existing version 6 content and reoriented the focus while adding Agile Content. This course covers Tools and Techniques. Over 100 tools and techniques exist, and the most important and complex of these are explained here.

Course outline:

Tools and Techniques
- Introduction
- Tools and Techniques
- Ungrouped Tools
- Summary

Data Gathering Tools and Techniques
- Introduction
- Data Gathering Tools and Techniques
- Focus Groups
- Statistical Sampling
- Summary

Data Analysis
- Introduction
- Data Analysis
- Performance Reviews
- Reserve Analysis
- Summary

Data Representation
- Introduction
- Data Representation
- Control Chart
- Stakeholder Engagement Matrix
- Summary

Decision Making
- Introduction
- Decision Making
- Voting
- Summary

Communications Skills
- Introduction
- Communications Skills
- Presentations
- Summary

Interpersonal Team Skills
- Introduction
- Interpersonal Team Skills
- Conflict Management
- Summary

Cost of Quality
- Introduction
- Cost of Quality
- Cost of Conformance Examploes
- Summary

Decision Tree Analysis
- Introduction
- Decision Tree Analysis
- Example
- Summary

Earned Value Analysis
- Introduction
- Earned Value Analysis
- Status
- Earned Value Snapshot
- Earned Value Formulas
- Interpretations
- Summary

Meetings
- Introduction
- Meetings
- Effective Meetings
- Summary

Precedence Diagramming
- Introduction
- Precedence Diagramming
- Dependency Classification
- Summary

Critical Path Method
- Introduction
- Critical Path Method
- Draw Networrk Diagram
- Summary

Risk Probability
- Introduction
- Risk Probability
- Demo: Risk Probability
- Summary

Root Cause Analysis
- Introduction
- Root Cause Analysis
- Five Whys
- Summary

Rolling Wave Planning
- Introduction
- Rolling Wave Planning
- Rolling Wave Planning Example
- Summary