

MILESTONE

*Providing Stepping Stones
Along the Path to Success*



A WOMAN-OWNED
SMALL BUSINESS

PROJECT
PLANNING
CONSTRAINTS

A lot of information goes into planning a project. What does the customer want? How long do we have to finish? What's our budget? Evaluating all types of information will lead to less surprises and a higher success rate of the project. Let's examine several constraints that should be considered during the planning process.

Budget

It's common for organizations to be forced to project their budget out six months to three years. They request a budget for projects and are unsure if they will be granted these funds. As funds are granted, projects are adjusted. For example, if \$10 million is requested but only \$5 million is granted, the organization will adjust the projects to \$5 million with the hope that an additional \$5 million will be granted in the future

Schedule

When considering the schedule, keep in mind that many projects are given due dates that may or may not have been calculated correctly. Often, these due dates aren't movable, and the project team is expected to hit them. In some cases, these due dates align with regulatory dates or yearly funding dates. In other cases, these dates have arbitrarily been chosen as a date to be finished with little or no regard for resources or the amount of work effort associated with the project.

Resources

The schedule should align with the resources needed to complete the work effort. The number of resources allotted should increase the speed in which the project is finished. It challenging when organizations run more than one project at a time which causes them to draw from the same pool of resources. In the beginning, the amount of resources seems adequate for the number of projects; however, as delays take place and other projects become a higher priority, the same pool of resources become stretched and overallocated.

Risks

Project teams are always trying to reduce risk and bring it within more acceptable levels. Because organizations struggle with risk identification, mitigation, and contingency, it is easy for many to overlook risk and assume everything will work out. If project managers are not willing to manage risks and place controls within the schedules, risk will stay out of balance and create conflicts within the resources that will cause delays and over expenditures.

Methodology

There is a benefit of having standard processes within the organization that everyone understands. Team members being trained in the methodology will speed up projects and allow them to switch between projects without having to learn new processes. When organizations use a different methodology for every project, it slows down projects for all team members. However, this does not mean 100% of the methodology must be used on every project. The project manager and team must have flexibility in using what makes sense based on the size of the project.

Scope

Considering the scope allows the project manager to drive the project with the team based on requirements, features, and functionality of the customer. It's not looking at time or budget but at how to deliver the outcome desired by the customer. All other constraints are secondary to the delivery of what the customer wants. At the end of the project, the customer is going to be happy with the outcome because the project will function the way the customer desires.

UPCOMING FREE WEBINAR

CREATING AUTHENTIC AND ACCURATE PROJECT SCHEDULES

FRIDAY, MARCH 10

10:00 - 11:00 AM CST

1 PDU

TO REGISTER, GO TO

www.themathisgroup.com/webinars



SATISFIED CLIENT OF
THIS COURSE

FAA

PROJECT SCHEDULING - 2 DAY

*PDU*s - 14

PMI's Talent Triangle Breakdown

Ways of Working - 14.00



face-to-face



virtual
instructor-led

Course Description: Project Scheduling is a two-day course which will review the basic concepts of the project management process with the emphasis content being on the planning and scheduling process. Participants will explore the Schedule Development Process as diagrammed by Project Management Institute. Areas include creating a WBS, defining activities, creating a network diagram, estimating activity durations and resources, developing the schedule, and creating a baseline. This course will follow one or more of Project Management Institute's knowledge areas of the *PMBOK® Guide*.

Course Objectives:

Objective 1: Review the basic management process

- Construct the project planning and scheduling process
- Discuss reasons for not planning and scheduling
- Construct and detail the schedule development process

Objective 2: Define scheduling methods

- Define scheduling tools
- Define schedule model
- Examine the Work Breakdown Structure (WBS)
- Define and detail activity definition
- Discuss tools and techniques for activity definition
- Define and detail activity sequencing and creating the network diagram
- Compare precedence diagramming and arrow diagramming

Objective 3: Define and detail estimating

- Examine estimating tools and models
- Define and detail developing the schedule
- Discuss critical path, PERT, and GERT

Objective 4: Discuss duration compression - crashing and fast tracking

- Discuss simulation tools for schedule development
- Discuss resource leveling
- Discuss critical chain
- Define the baseline schedule
- Define and detail schedule control



A WOMAN-OWNED SMALL BUSINESS (WOSB)



Providing quality, customized training and consulting services that inspire, educate, and equip organizations to be better tomorrow than they are today.

DR. KEITH MATHIS, PMP, PMI-ACP, CSM
WANDA MATHIS, M.ED. PMI-ACP

PROJECT MANAGEMENT TRAINING

OVER 60 PROJECT MANAGEMENT COURSES REGISTERED WITH PMI

PRESENTATIONS THAT EDUCATE, MOTIVATE, AND INSPIRE

Since 1993, The Mathis Group has been helping organizations change worker productivity and behavior.

- PROJECT MANAGEMENT
MARKETING
MOTIVATION
ORGANIZATIONAL BEHAVIOR
LEADERSHIP
CUSTOMER SERVICE

COMPANY MANDATE

The Mathis Group provides training and consulting that will impact the organization and individual while maintaining an outstanding reputation for success and integrity.

VALUES STATEMENT

Every person has worth and should be treated with respect.

AREAS OF EXPERTISE

- Curriculum Design
Project Management
Organizational Behavior and Development
Management
Marketing
Strategic Planning
Executive Coaching
Performance
Team Building
Emotional Intelligence
Leadership
Customer Service
Creating Customer Value
Supervisory Leadership
Coaching and Counseling

9515 N Spring Valley Dr
Pleasant Hope, MO 65725
800-224-3731
417-759-9110
(voice/fax)

www.themathisgroup.com

keith@themathisgroup.com
wanda@themathisgroup.com

DUNS Number:
007722098
CAGE: 3C1N9
GSA Contractor Number:
GS-02F-0010V

