Lecture 7 Overview

- The personal implications of the PPMP
- The costs and benefits of the PPMP
- Introducing and using the PPMP in an organization
- The responsible professional
- What do you want from software engineering?

Personal PPMP Implications – 1

- If you seek personal excellence, the PPMP can help you to attain it in managing your projects.

- If you seek personal excellence in software development, you must continue with the PSP.

- By defining and measuring your work, you gain the knowledge to improve your personal performance.

- The question is, “do you want to improve?”
Personal PPMP Implications – 2

- To consistently improve, you must critically examine your own performance.

- To do this, you need a process framework and performance measurements.

- The PPMP provides a suitable framework and set of measurements.

Personal PPMP Implications – 3

As a software engineering professional you need to

- make commitments you can meet

- deal with unreasonable commitment pressures

- review status and plans with customers, managers, and coworkers

The PPMP will help you to perform professionally even when your customers, managers, or coworkers do not.
Personal PPMP Implications – 4

In using the PPMP, you may face resistance.

• Do you have a supportive environment?
• Does your management agree with your interest in personal improvement?

Your PPMP efforts will be most rewarding when your management and your teammates share your interests and objectives.

The Costs of the PPMP – 1

The time investment

• process development takes about 1 to 2 hours per form and script
• process updates will be needed at least every 3 months
• data entry and analysis will take about an hour for each PPMP-sized project
The Costs of the PPMP – 2

The emotional investment

• the PPMP takes a lot of work

• there will be occasional frustrations

You will clearly see your own limitations

• if you can’t face your personal limitations, you should not use the PPMP

• and perhaps you should reconsider your decision to be a software engineer

The Benefits of the PPMP – 1

Insight

• you will better understand your strengths and weaknesses

• you will be better able to maximize your assets

• the PPMP will help you to objectively deal with your weaknesses
The Benefits of the PPMP – 2

Ideas

• by defining your process, you assert control over it
• you can then act like a process owner
• your critical facilities will be in gear
• you will unconsciously observe your working self
• you will see many ways to improve your process and your performance

The Benefits of the PPMP – 3

Improvement framework

• a defined process provides a language for thinking about your work
• you can better see how the process parts relate
• you can better focus on priority areas for improvement
The Benefits of the PPMP – 4

Personal control

- you will have a planning framework
- you will have the data on which to base your plans
- your plans will be more reliable
- you will be better able to track your status
- you will be better able to manage your work

The Benefits of the PPMP – 5

Accomplishments and personal bests

- you will recognize your personal bests
- you will better understand how to repeat and to surpass them
- you will see where and how you have improved
- you will have your own personal improvement goals
- you will have the satisfaction that comes with knowing you are doing superior work
The Responsible Professional

As a responsible professional, you need to

• find and learn new methods
• use these methods in your work
• recognize your strengths and weaknesses
• identify areas for improvement
• practice, practice, practice
• publicize the methods you find helpful
• learn from history

This will assure your continuing improvement.

Coaching And Improvement

A coach can help you to improve your personal performance by

• motivating superior performance
• demanding personal commitment
• insisting on a dedication to excellence
• supporting and guiding your development

Seek coaching support from your peers and your managers
What do You Want from Software Engineering?

• What are your personal objectives?

• Surprisingly often we achieve our objectives in ways we did not expect, so keep an open mind and keep looking.

• Since we all reach the same end, we should concentrate on the route

• If you can occasionally achieve excellence, it could be well worth the trip

Messages to Remember from Lecture 15

1. The PPMP is designed to help you.

2. Use it to improve your performance and to help you to act professionally in difficult situations.

3. Don't try to convert others to PPMP. Just emphasize what the PPMP has done for you and urge others to find out for themselves what it will do for them.