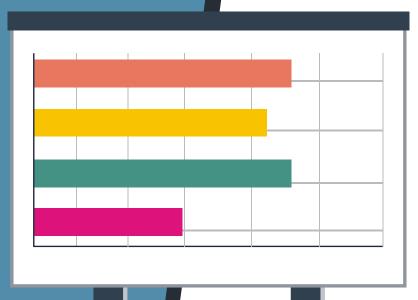
10 Knowledge and Skills Every Project Manager Should Have





Project managers in different organizations, across different sectors often deal with some of the same challenges. These challenges often include managing the project budget, communications+, the team, stakeholders, risk, scope and more.

Identifying the total number of active projects and their status within the company portfolio is difficult or cumbersome. Most of the time, resource allocation is either performed ad hoc or in an inefficient and imprecise manner.

Companies sometimes do not even attempt to capture and accurately allocate project costs, especially internal labor, due to difficulties in user adoption. For many project managers and organizations, project, program and portfolio reporting is manually intensive, time consuming and highly subject to error.



Project and Portfolio Management (PPM) is a formal approach that an organization can use to orchestrate, prioritize and benefit from projects. This approach examines the risk/reward of each project, the available funds, the likelihood of a project's duration, and the expected outcomes.

A group of decision-makers within an organization, led by a Project Management Office director, evaluates the returns, benefits and prioritization of each project to determine the best way to invest the organization's capital and human resources.



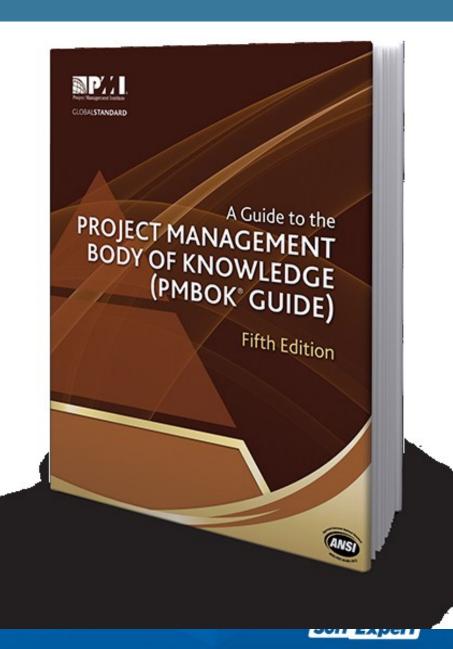
Along with the appropriate tools to efficiently manage projects, project managers

must be able to skillfully manage the company's project portfolio, manage various areas of the project's scope and efficiently manage time, budgets, per more.

Furthermore, project managers also need to use the ten knowledge areas in the PMBOK Guide that are essential for the project's success. Each on ten knowledge areas are comprised of a set of processes with inputs, techniques as well as outputs. Each one of these processes work together critical in driving project success.

In order to achieve the project's objectives, the 10 Knowledge Areas m adopt specific abilities and expertise. Its goal is to put processes with characteristics in the same classification category while also improving organization.

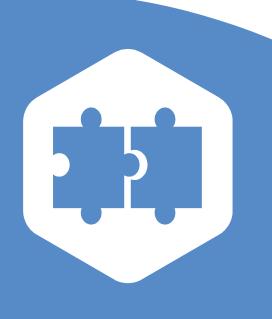
So, what are these knowledge and skills?



Knowledge and skills:







01 | Project Integration Management

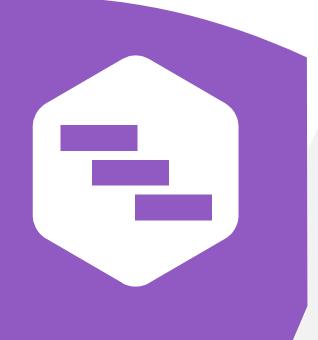
After identifying, prioritizing, balancing, and managing the company's Projects Portfolio, project managers are able to move forward and start planning and organizing their activities to turn initiatives into a well-defined and organized project.

The Project Integration Management knowledge area is devoted to actions that are crucial to the project's completion, such as interaction, consolidation, unification and articulation.

Integration is mainly concerned with the effective integration of the processes within the groups of project management processes.

The six different processes that make up this knowledge area are:

- Develop Project Charter
- 2. Develop Project Management Plan
- 3. Direct and Manage Project Work
- 4. Monitor and Control Project Work
- 5. Perform Integrated Change Control
- 6. Close Project or Phase



02 | Project Scope Management

The Project Scope Management knowledge area addresses the definition of the scope of the project, project scope management and project scope requirements, creating the work breakdown structure (WBS) and creating scope baselines and project work.

At this stage, you can plan ways to keep the project within the established limits by creating a scope and work breakdown structure and by collecting requirements.

The six processes in this knowledge area aim to ensure that the project includes all of the work required to successfully complete the project.

These processes are:

- 1. Plan Scope Management
- 2. Collect Requirements
- 3. Define Scope
- 4. Create WBS
- 5. Validate Scope
- 6. Control Scope





03 | Project Time Management

This is the knowledge area where project managers (PM) will estimate the duration of tasks. At this stage, the PM will establish the sequence of the project's tasks in addition to choosing the resources that are needed to achieve the project's goal.

In this area, time management processes and their related tools and techniques are documented so project managers can monitor and manage the project in order to keep it on schedule through the definition and sequencing activities, estimating resources and more.

The goal of this knowledge area - as suggested by the name - is to create outputs and processes for the project to assist the project team in completing the project in a timely manner.

This knowledge area is made up of the following processes:

- 1. Plan Schedule Management
- Define Activities
- 3. Sequence Activities
- 4. Estimate Activity Resources
- 5. Estimate Activity Durations
- 6. Develop Schedule
- 7. Control Schedule





04 | Project Cost Management

In this knowledge area, costs are estimated and a budget baseline is established along with a cost management plan.

This area also contains the processes that are involved with controlling, planning, budgeting, funding and estimating the project's costs in an effort to complete the project within the approved budget.

The goal of this knowledge area is to complete a project within an established budget and maintain costs under control.

The four processes that make up the Project Cost Management knowledge area are:

- 1. Plan Cost Management
- 2. Estimate Costs
- 3. Determine Budget
- 4. Control Costs





05 | Project Quality Management

The knowledge area that deals with Project Quality Management is made up of three processes as well as activities to determine responsibilities, quality policy, and the quality objectives of the project.

Quality management systems are implemented here through policies and procedures along with continuous process improvement activities so that issues regarding the project's quality can be monitored and corrected.

The main purpose of this area is to identify, audit and monitor quality requirements and/or standards to assess performance and recommend necessary changes.

The three processes of the Project Quality Management knowledge area are:

- 1. Plan Quality Management
- 2. Perform Quality Assurance
- 3. Control Quality





06 | Project Human Resource Management

The Human Resource knowledge area is the very core process that will define how the project's human resources will be obtained, developed, utilized and managed.

The project human resource management area also includes processes that organize and lead the project team.

The objectives of this knowledge area include identifying and documenting project roles, responsibilities and required skills as well as confirming availability of human resources, improving competencies and tracking performance of team members during the project.

In this knowledge area, we have the following processes:

- 1. Plan Human Resource Management
- 2. Acquire Project Team
- 3. Develop Project Team
- 4. Manage Project Team



07 | Project Communications Management

This is the knowledge area where processes dedicated to ensuring the project's communications are adequately planned, and all information pertaining to the project is properly collected, distributed, stored and managed. In other words, this is the knowledge area where the communication plan is established.

It is the PM's job to ensure that the plan is followed and that the right information regarding the project is delivered to the project's team, stakeholders and all parties involved at the appropriate time and in the right format.

Objectives in this knowledge area include developing the appropriate approach and communication plan, creating, collecting, distributing and storing project information and monitoring and controlling project communications throughout the entire duration of the project.

The Communications Management knowledge area has three processes:

- 1. Plan Communications Management
- 2. Manage Communications
- 3. Control Communications





08 | Project Risk Management

The Risk Management knowledge area is where we find processes that are responsible for every aspect of the project's risks, including identifying risks, planning risk management, risk assessments and risk controls.

The goal of Project Risk Management is to avoid or decrease the probability and impacts of negative risks, threats and events, and increase the impact and probability of opportunity risks (positive risks).

There are six processes in this knowledge area. They are:

- 1. Plan Risk Management
- 2. Identify Risks
- 3. Perform Qualitative Risk Analysis
- 4. Perform Quantitative Risk Analysis
- 5. Plan Risk Responses
- 6. Control Risks



09 | Project Procurement Management

The Procurement knowledge area involves the processes that PMs follow in order to obtain and control resources from outside of the project team, in order to successfully reach the project's goal.

These resources or materials that the project manager may feel are necessary for the completion of the project can be assets, products, or outside services.

In this knowledge area, the goal is to document project purchasing decisions, evaluate suppliers and manage procurement relationships, contracts and performance, making the necessary corrections and changes as required.

The four procurement processes in this knowledge area are

- 1. Plan Procurement Management
- 2. Conduct Procurements
- Control Procurements
- 4. Close Procurements



10 | Project Stakeholder Management

As the newest knowledge area, the Project Stakeholder Management area includes processes used by the PM that are required to identify the organizations, people or groups that share a stake in or are affected by the project.

The affected stakeholder can be an internal or external part of an organization and they can have either a positive or negative impact on a project.

The PM is responsible for managing the stakeholder's expectations and analyzing their impacts on the project, as well as engaging them in project execution and decisions.

These four processes make up the Project Stakeholder Management knowledge area:

- 1. Identify Stakeholders
- 2. Plan Stakeholder Management
- 3. Manage Stakeholder Engagement
- 4. Control Stakeholder Engagement



Now that you know about the **10 Knowledge and Skills Every Project Manager Should Have**, find out more about the most complete and innovative solution in the market for project and portfolio management, regulatory compliance and business excellence.



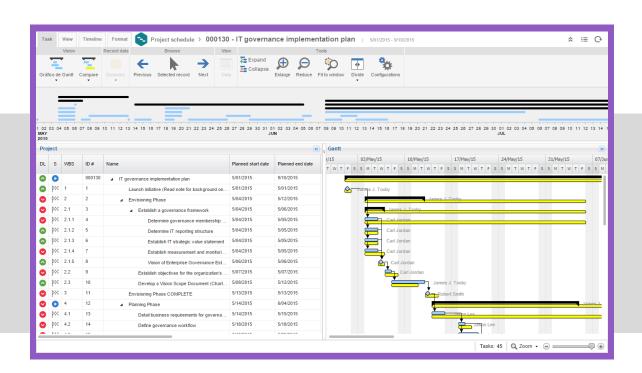
SoftExpert PPM

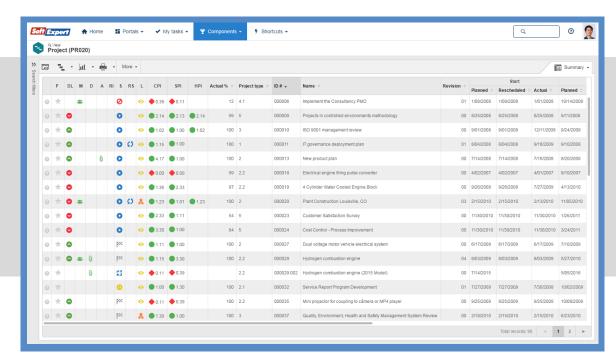
SoftExpert Project and Portfolio Management (PPM) software is the most comprehensive solution for prioritizing, planning, managing and executing projects, portfolios and business initiatives. This software helps organizations complete projects on time and within budget by enabling project managers and team members to optimize time and deadline scheduling, resource utilization, milestone and deliverable completion, cost and revenue accounting, etc.





Project Integration Management



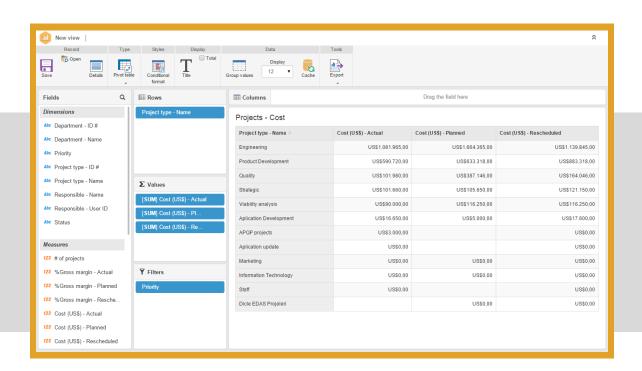


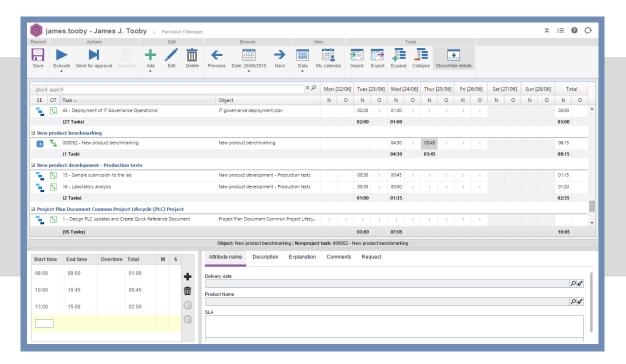


Project Scope Management







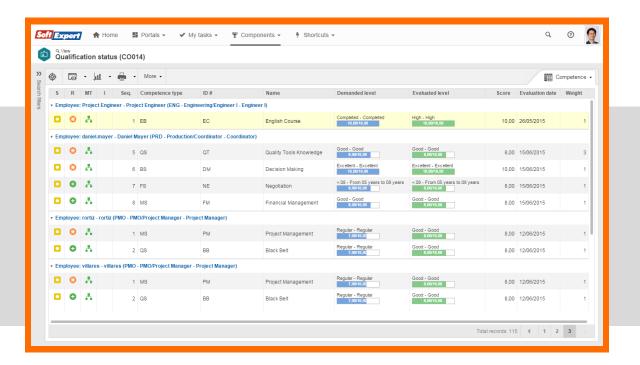


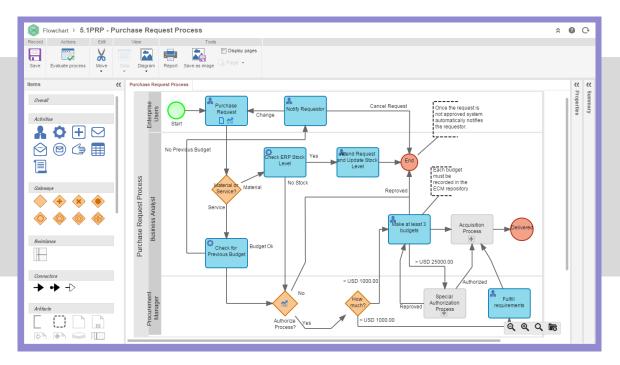






Project Quality Management





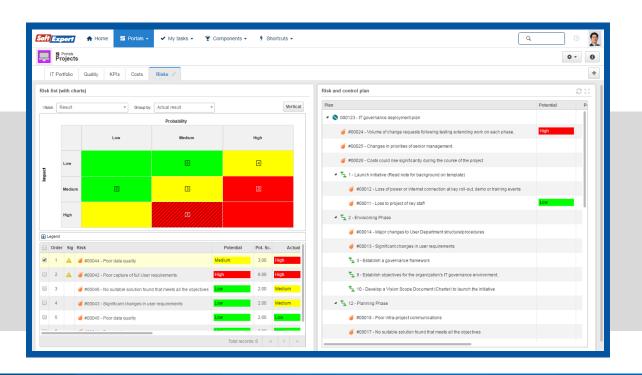


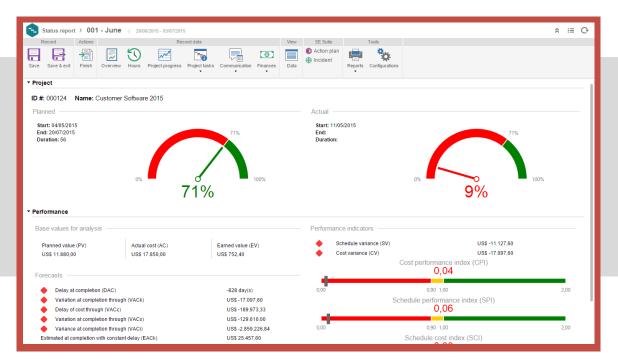
Project Human Resource Management





Project Communications Management





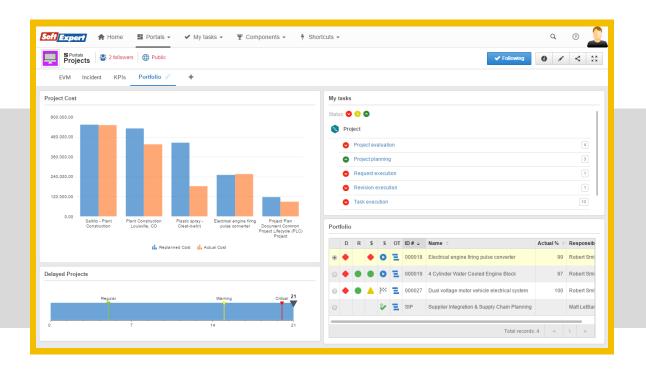


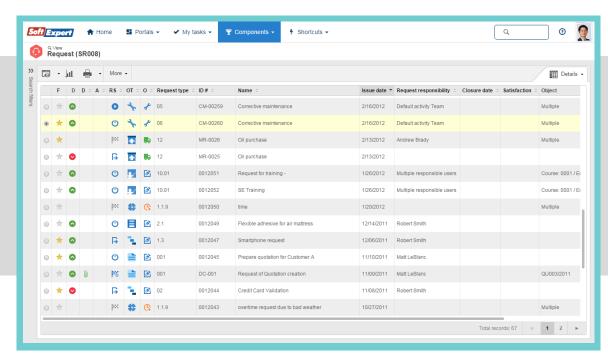
Project Risk Management





Project Procurement Management







Project Stakeholder Management



SoftExpert Excellence Suite



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