According to PMBOK , the nine components of project planning for software project including ;

Project Integration Management: is probably the most incomprehensible and underestimated area of ​​knowledge in project management, but proper management of it is half the success of the project. So let's look in this post what exactly is project integration and why is it needed.

Scope Management: The scope management strategy is a component of the project or program management plan that defines how the scope will be clear, established, observed, measured, and confirmed.(PMBOK,2013, 109)

Time Management: is the duration of the project that proposed to complete the project. Time management includes the distribution of project operation time in sequential stages of its execution; scheduling of the project and its individual works and observing their compliance.

Cost Management: Cost management encompasses all company plans and actions that are directly focused on identifying, analyzing, identifying, avoiding, or reducing costs. It can be differentiated:

1. short-term cost management to rapidly improve the company's liquidity and cash flow; and
2. Long-term cost management to achieve continuing profit and to be competitive.

Quality Management: it includes planning, monitoring, controlling and monitoring a quality process and the outcomes of the procedure.

Human Resources Management: Modern HR management is a scheme of concepts and techniques for the effective construction and management of organizations and projects. HR management activities have a targeted impact on the organization’s employees, focused on approaching to the maximum matching of the personnel’s capabilities and goals, strategies, development conditions of the organization.

Communications Management: In project management, communication management is a field of knowledge in which the processes necessary for the timely and proper generation, collection, distribution, transfer, storage, retrieval and use of project information are applied.(PMBOK,2013).

Risk Management: it is the process of managing and operating an organization, implemented by the management and other staff, and applied to all aspects of the organization's operations (units, processes, customer relationships, etc.), from the choice of strategy. The purpose of risk management is to identify and manage potential events affecting the organization and to keep the risks within the limits of the organization's operations and to reduce uncertainty about the achievement of the organization’s objectives. Risk management is a work to ensure the continuity of the company and the well-being of its personnel. Risk management refers to all actions taken within a company to reduce risks and resulting losses. Risk management is the assessment, planning and practical implementation of situations involving each member of staff in his or her own role. Good risk management is proactive, informed, systematic and systematic.

Procurement Management: Project communications management is a management function intended to ensure timely assortment, generation, distribution and storage of necessary project information. Information is understood to mean collected, processed and distributed data.

References

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Replies

1- reply to Brandon M Massingale

Hello Brandon , thankyou again for an informative post. The linear management structure implies a direct impact on the management process by the line manager, who concentrated all the functions of management in one hand. With this structure, each unit (or individual executor) is subordinate and receives instructions from one higher governing body, which ensures the management of subordinate units, independently performs all management functions.

2. reply to Brian Keef

Thankyou Brian for your interesting post. A work breakdown structure supports the division of a project into more predictable sub-elements. This serves to clearly structure the necessary work in the project - right from the beginning. The work breakdown structure (WBS) is one of the most important plans in project management. He is therefore also reverently called the "mother of all plans". But many project managers do not really trust him. I also have to admit that I could not really make friends with him for a long time.