

Project Management Trends that can Lead to its Success

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ABSTRACT

This article is based on 25 research and articles published by various authors, experts, students, and professors which were discussed or listed some of the most significant when it comes to trends that projects need to succeed. During the writing of this article, the best research published in the last 10 years was followed. As a result, it has been determined that projects require trends that take into consideration the people and the project itself.

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Introduction

Project management is frequently developing and will endure to grow as long as mankind increases its production and reproduction. And that is the reason human have to adapt to their circumstances in life by coming up with procedures and measures to make their tasks easier. Project-based approaches are becoming increasingly popular among organizations, and there is no sign of slow down or shrink in the next decades. Traditional businesses are increasingly relying on project-based work. There have been changes in the world of work, and so has the discipline of project management.

A project won't be effective unless all of the participants (or at least the majority) is skilled and driven to deliver a successful and satisfactory result. Several methodologies, procedures, and strategies have been devised to accomplish this, which, when combined with fundamental management and people abilities, allow the project administrator managers to meet the established requirements of time cost and performance/quality in the most efficient manner.

How will this Project Management Trends Shape the Project Itself?

Despite having completed successful megaprojects, the ancient people faced hurdles throughout their civilization, including lack of the material, knowledge, and cost. In addition, the poor quality of their management skills prevented them from doing modern projects of the same scale. In other hand, the accomplishment of a projects is absolutely Associated with the maturity of that projects' management [1].

To quickly choose which trend is the best while listing a given thing's trends, we should first identify all the associated obstacles. Hence, some related challenges or reason of why we should worry to the successfulness of our projects will be mentioned in below.

The rapidly growing technologies, human reproduction which is essential to meet the availability of their daily life, implementation of infrastructures and the mounting demand of the world to simplify the life would lead the people to boost the project management

to encounter these challenges, so there would no failures in the future of such a project [2].

When we generally consider the issues that we have mentioned above we quickly realize why these trends are so important to the success of any project. Here are some trends that we have selected to be appropriate for us to choose the ones that can lead to the success of the project.

Risk Management

Risk is something that can often be expected in projects, because of the risk management style and risk may increase or decrease. we can learn from their how important it is to have a system to prevent or at least reduce the risk. It is significant to think about how to make risks unlikely in addition to what risks might arise.

The organization must be aware of potential risks if it wants to increase the possibility that a planned project will be successful [3]. the risks in project should not fail to consider or keep out of sight, therefore the project manager and all members of his team must pay high attention. [4]. Risk management is a crucial component to manage the difficulty involved in project rearrangement for "value creation," [5].

Given that managing project risks strategically is important from a management perspective to produce better results, hence, A thorough awareness of the company environment and the use of risk management techniques are crucial success factors [6].

Resource Planning

The project manager must create a document as soon as he receives his brief or project instructions that distills what is typically a large amount of information into a succinct, educational, and coherent management strategy form that can be easily distributed or spread out to all project team members and, in fact, all project stakeholders. This document is known as a project management plan (PMP), while it is also referred to as a "project plan" or "a coordination procedure" in some businesses.

The PMP is a vital document for the project manager and his or her team, and it must be kept up to date. It includes all the major characteristics, standards, and specifications of the project when it comes to cost, and quality/performance by defining the project's "Why," "What," "When," "Who," "Where," and "How." The project's cost is included in the PMP in some organizations along with the "How much" question. However, there can be good business justifications for keeping this information private from all except the most important project team members. The PMP's contents change based on the kind of project it is. For a modest, straightforward project, it need not be more than a slim binder, even though it may run to several volumes for a huge petrochemical operation [7].

Sometimes the planning of the resource of a project relates the sharing of the resources. E.g., A corporation that is working on one project at a time is unlikely to run into the same issues as one that is working on several projects simultaneously. If the projects additionally pool their resources, other issues may arise [8].

There is another important factor which is essential for the resource planning, the method of scheduling a project is one of the most crucial resources in project management, the organizing of crucial resources within a project's complexity is accomplished through project scheduling [9].

The Project must have a Clear Goal

There could be a significant risk and potential project failure if the project goals are unclear.

Project team members may change their viewpoints and behaviors and elaborately define their roles if project goals are not perceived as entirely independent from the project work. [10].

Knowledge Sharing

Knowledge sharing or knowledge exchange between project participants is crucial to avoiding mistakes, increasing work effectiveness, and lowering failure chances [11]. Polanyi emphasizes that significant contextuality distinguishes knowledge sharing from data sharing and information sharing (1966). According to Young and Milton (2011), knowledge is dependent, and what succeeds in one context may not succeed in another [12].

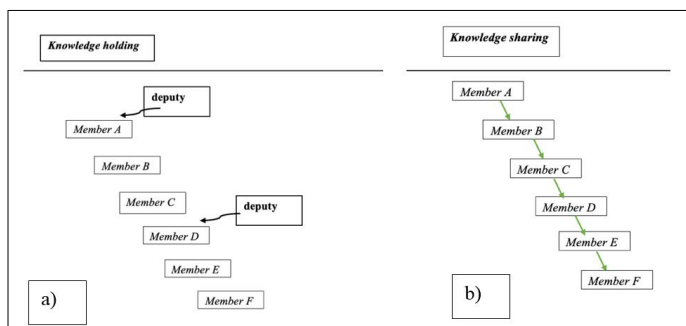


Figure 1: Different between When the Knowledge is being Shared by the Team to each other when the everyone keep his Knowledge

There may be a greater understanding of the value of knowledge sharing during the project, although it exists, some people may not be aware of the problem if this clause is ignored. Everyone may need someone to obtain the information necessary for their profession if the knowledge is not shared.

Agile and Hybrid Methods

The word "agile" is frequently used to describe something that

is flexible, adaptable, and quick to react to changes [13]. Agile is a sort of adaptive project execution that is extensively employed in many areas such as software development industry as an alternative to conventional approaches that stress a sequential or linear process beginning with requirements collecting, planning, design, writing software code, testing, and implementation [14].

The philosophy of agile project management is centered on a few key concepts. All procedures, measurements, and choices ultimately return to these fundamental ideas.

We must provide answers to three questions before we can establish the framework for describing agile project management methodologies [15].

- Who are the Clients?

This much is obvious: the consumer pays. The customer's role in agile project management goes beyond this simple notion; the one person who can decide on a direction and prioritize features is a consumer.

- What is a Feature?

We define a feature from the viewpoint of the customer. A feature is a unit of functionality: described by the customer and demonstrable in its accomplishment to the client's satisfaction

- How soon is a Feature Complete?

The term "done" has a defined meaning in agile project management and denotes a quantifiable stage of completion. When a feature has complete test coverage and passes all unit, system, and acceptance tests, it is considered complete [15].

According to recent PMI worldwide report which comprised the experience of hundreds of executive organization members who have worked thousands of projects around the world include Europe, North America, Africa, Latin America, Middle East, Asia Pacific, and Caribbean regions suggested using agile management techniques as a possible catalyst for company productivity [16].

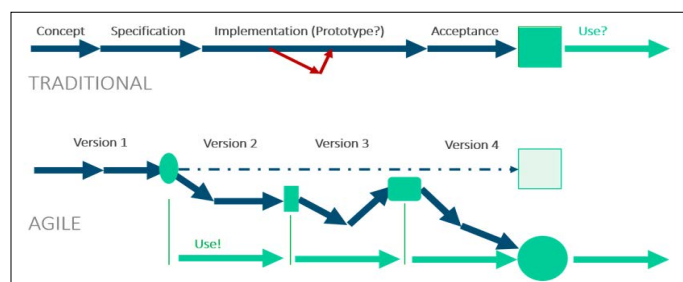


Figure 2: Traditional approach vs agile approach

By far, agile is much more flexible than traditional. Due to the project's division into smaller phases which deliver a smooth project running.

Remote Working

Principal advantages of remote work include the ability to continue working while starting a family and avoiding the upheaval of relocating for a temporary position (flexible working arrangements). Flexible working techniques have been promoted not only in scientific research, which was the purpose of the mentioned essay, but also in other industries, due to the improved creativity brought about by a better work-life balance is unexpected benefits [17].

More Attention Should be given to Application

For the last 20 years, most training in project management has been focused on exam preparation. There is little improvement in

performance in projects due to lack of focus on the application, the performance of a project cannot be achieved solely by knowledge [18].

Social and Soft Skills

To plan and control many aspects of a project, project managers must have a set of project management skills that includes personality traits, soft skills, and technical. Teamwork, leadership, and interpersonal skills compete prominent role in the accomplishment of projects and the success of businesses related to projects. And the most astute organizations not only recognize this, but they use it as a competitive advantage by utilizing projects and programs as change agents to convey on their strategies [18].

Effective Communication

Generally, communication is the process of communicating information from the person providing it to the person receiving it through vocal and nonverbal ways [19]. Hence, being a coherent person is essential skill which every good leader must demonstrate to communicate the team effectively. Effective communication involves more than just speaking clearly; it also frequently involves the “*effective listening*” with a respectful way. Effective listening is sometimes different from hearing someone speak and only understanding what they said. Instead, effective communication frequently necessitates that the listener comprehend both the speaker’s emotional meaning and the words themselves. It’s simpler to say than to do this. We are constantly reminded to speak correctly, express ourselves fully, and use proper English. We actually rarely receive instruction on effective listening. While listening for the emotional context of what is being said is not taught to us, we are trained to listen and comprehend words in their literal sense? Instead of listening to grasp what the speaker is trying to say, we often listen to prepare a response. However, the key to becoming a successful communicator lays in comprehending the emotional resonance of the words and what the speaker means by them. [20].

The Role of Communication in the Project Management

Since communication is essential to a project’s success, many professionals have referred to it as the heart of a project. Project team members must collaborate, share, gather, and combine knowledge and information to meet project objectives. Therefore, it is crucial to understand how communication works. At the basic level [21].

Leadership

As Prof. Sharlett Gillard published in her article, citing Posner (1987) and Brousseau (1987) who had agreed with Posner, to manage projects successfully, a flexible leadership style must be maintained, as well as effective management [22].

Considering poor leadership directly contributes to project failure, it is necessary for project managers to use leadership as a weapon to moderately influence project results [23].

Change Management

The rapidly growing changes of the world would increase the pressure on the organizations to change and organize activities, or schedule them with consideration for time, money, and resources, then track and manage how well they are carried out. Through cooperation, discussion, and collaboration between all interested parties, change management activities ensure that the people genuinely grasp the cause for the change and what it will mean for them [18].

The new goal values against which expenditures and progress will be monitored must be included to the budget and program, respectively, as soon as a modification has been agreed upon. The project budget, however, can only be altered (increased or decreased) whenever the modification has been demanded by the client, even though all variations must be reported and handled in the same manner. It is difficult to increase the budget (and consequently the price) when the modification was generated internally, such as when one of the design groups discovers a mistake, omission, or if improvement is necessary, except if the client agrees to this. The additional costs must still be monitored and documented, but the cost report will only show a rise (or decrease) in the real cost column. Depending on whether the adjustment requires more or fewer resources, the profit will either decrease or increase as a result.

In other hand Change management has been elaborated specifically within the circumstance of bringing organizational change, putting a premium on strategic alignment, creating, and expressing a vision, fostering a sense of ownership for the change process, and involving the leadership [24].

The prompt and accurate documentation and management of modifications could determine whether a project is profitable or not. It is important to distinguish between change management and management of change, which is the skill of altering an organization’s culture or procedures and controlling employee reactions. Such a change may have a significant impact on everyone in the firm, from the board of directors to the workers on the shop floor, in terms of their lives and attitudes [7, 25].

Conclusion

Conclusively, the articles and research cited during this article stated that there is a need for a comprehensive management system, to eliminate all potential failures in both ongoing and commencing projects, considering many aspects that have a widespread impact on the project that is to be successful. It is particularly interesting that researchers have made a connection between the development of project management and the success of projects, and it is obvious that in the past there were no trends that are used today, therefore, there were no successful ventures like those of today in the past.

References

1. McGRATH J, Košťálová J (2020) Project management trends and new challenges 2020+. Hradec Economic Days 10.
2. Lester A (2006) Project management, planning and control: managing engineering, construction and manufacturing projects to PMI, APM and BSI standards. Elsevier.
3. Kishk M, Ukaga C (2008) The impact of effective risk management on project success.
4. Doval E (2019) Risk Management Process in Projects. Review of general management 29.
5. Gachie W (2017) Project risk management: A review of an institutional project life cycle. Risk Governance and Control: Financial Markets & Institutions 7: 163-173.
6. Rabechini Junior R, Monteiro de Carvalho M (2013) Understanding the impact of project risk management on project performance: An empirical study. Journal of technology management & innovation 8: 1-6.
7. Lester A (2021) Project Management, Planning and Control: Managing Engineering, Construction and Manufacturing Projects to PMI, APM.
8. Jonsson M (2016) Resource planning in a multi-project

- organization: A case study at Sanmina in Örnköldsvik <https://www.studypool.com/documents/6750629/resource-planning-in-a-multi-project-organization-linkoping-university>.
9. Pierorazio M (2018) Strategies for the Successful Management of Human Resource Planning in IT Projects (Doctoral dissertation, Walden University) <https://scholarworks.waldenu.edu/cgi/viewcontent.cgi?article=7541&context=dissertations>.
 10. Sampietro M (2016) Project Team Members and Project Goals and Objectives. Acesso em 9.
 11. Ni G, Cui Q, Sang L, Wang W, Xia D (2018) Knowledge-sharing culture, project-team interaction, and knowledge-sharing performance among project members. *Journal of Management in Engineering* 34: 04017065.
 12. Kucharska W, Kowalczyk R (2016) Trust, collaborative culture and tacit knowledge sharing in project management—A relationship model. *Kucharska, W., & Kowalczyk* 159-166.
 13. Modransky R, Jakobová S, Hanak M, Oláh A (2020) Lean and Agile Project Management and the Challenges for its Implementation in SMEs in Czech Republic. *Technium Soc. Sci J* 9: 413.
 14. Martinelli RJ, Milosevic DZ (2016) Project management toolbox: tools and techniques for the practicing project manager. John Wiley & Sons <http://dspace.vnbrims.org:13000/jspui/bitstream/123456789/4308/1/Project%20Management%20ToolBox%20Tools%20and%20Techniques%20for%20the%20Practicing%20Project%20Manager.pdf>.
 15. Karlesky M, Vander Voord M (2008) Agile project management. *ESC* 247: 4.
 16. Muhammad U, Nazir T, Muhammad N, Maqsoom A, Nawab S, et al. (2021) Impact of agile management on project performance: Evidence from IT sector of Pakistan. *PLoS one* 16: e0249311.
 17. Hunter P (2019) Remote working in research: An increasing usage of flexible work arrangements can improve productivity and creativity. *EMBO reports* 20: e47435.
 18. Schefferlie J (2020) The impact of projects and project management will increase. *European Project Management Journal* 10: 72-75.
 19. Iksan ZH, Zakaria E, Meerah TSM, Osman K, Lian DKC, et al. (2012) Communication skills among university students. *Procedia-Social and Behavioral Sciences* 59: 71-76.
 20. Benator B, Thumann A (2003) Project Management & Leadership Skills for Engineering & Construction Projects. CRC Press.
 21. Zulch BG (2014) Communication: The foundation of project management. *Procedia Technology* 16: 1000-1009.
 22. Gillard S (2009) Soft skills and technical expertise of effective project managers. *Issues in informing science & information technology* 6.
 23. Ahmed R, Tahir M, Azmi bin Mohamad N (2013) Leadership is vital for project managers to achieve project efficacy. *Research Journal of Recent Sciences* 2: 99-102.
 24. Pollack J (2017) Change management as an organizational and project capability. *Cambridge handbook of organizational project management* 236-249.
 25. Benator B (2020) Overview of Project Management. In *Project Management and Leadership Skills for Engineering and Construction Projects* 1-11.

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