

Agile Project Management: A New Normal in Agricultural Domain.

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Abstract

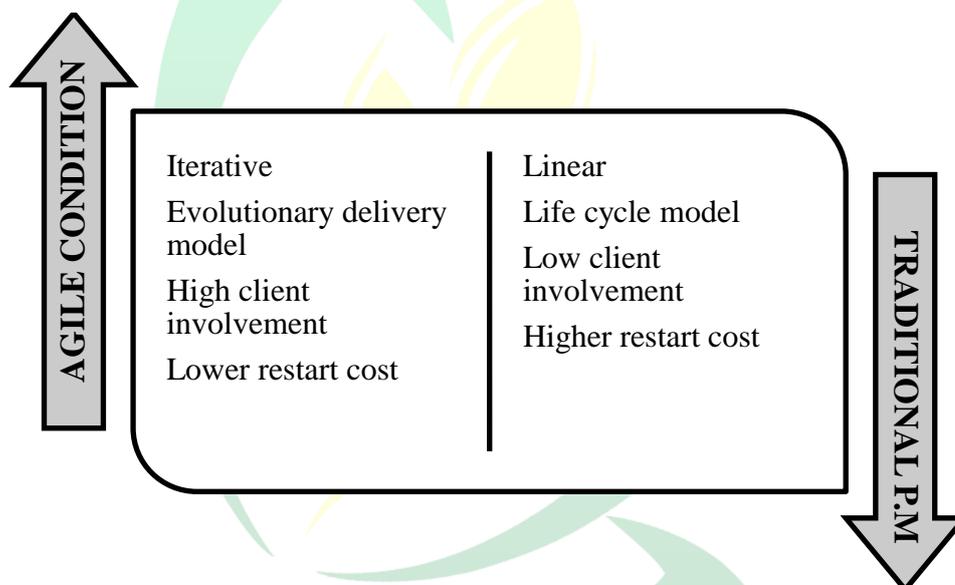
As projects are gradually increasing and getting complex, there has been an increasing concern regarding the concept of project complexity and solutions for smoother operations. Operations can happen at any part of the business. In order to get better, the main thing the team needs to do is concentrate on changing the way of working, work culture. When it comes to being agile it ultimately deals with developing the mindset to use it. Agile project management initiates innovative outcomes that lead to sustainable agricultural projects. As operations happen in a continuous manner there is certain approach or pattern to get the work done effectively. Over time, many have experimented on how to improve the work rigorously. However, a recent scientometric review indicates a significant paucity in the extant literature on agriculture projects, with a pressing need for further research to examine sustainable project management practices from an institutional perspective. This page aims at making it a habit for all the Agribusiness firms to adopt the agile project management more frequently on regular basis, so that the efficiency & effectiveness increases in taking the project towards the targeted goals earlier, also to uncover agile project management practices for future development and implementation to help in achieving sustainable project processes which ultimately provides success and gradually changes the face of project management.

Keywords: Agile project management, Iteration, self-directed teams, social contract, retrospectives.

Introduction

In 2007, 17 software engineers in a meeting in Utah discussed new ways of working that were flexible and iterative. Out of that meeting, the Agile Manifesto took shape. Teams get empowered when Agile methods are inculcated into their operations. Future project practitioners will increasingly value sustainability and responsible management. (Dacre *et al.*, 2019; Gkogkidis & Dacre, 2020; Tite *et al.*, 2021). Research undertaken across publications

of specialist project management journals (the International Journal of Project Management and the Project Management Journal) over 15 years, Themistocleousa & Wearne (2000) suggests that academic studies on project management processes in the agriculture sector failed to reflect the relative importance and real-world impacts of agriculture development, specifically in terms of both its contributions to GDP and its critical role in sustaining and addressing global significant socioeconomic issue. This study therefore seeks the gaps that arise in knowledge regarding project management. Organisational support and synchronised individual behaviours are required to achieve successful projects to receive optimised performance and investments (Eve, 2007). Additional theoretical work and practical research on agile project management from an institutional perspective are also required. (Conforto & Amaral, 2016; Hobbs & Petit, 2017; Lechler & Yang, 2017; Mergel et al., 2020).



Gary chin has pointed that “In today’s dynamic technology-driven world, the customers often don’t know about the requirements from the project manager’s perspective, the requirements always appear to be changing. Agile is a viable option since traditional scope, cost, and schedule control, which is useful in more developed environments, won’t work in these situations”. According to him "Agile Project Management presents a practical and repeatable methodology for building a sound yet flexible project process". This is still the culture that is dominant.

Numerous modifications made during the product development process, combined with flexibility and teamwork, are all examples of the agile technique. Sixteen well-known

Agile project management tools have been introduced to help agile developers plan and manage their activities effectively in order to get the best outcomes in terms of team communication and resource allocation while utilising the agile strategy.

Existing Reviews:

Gary identifies two criteria for Agile PM. The first: The project environment, of which he recognizes three different types, namely "operational"; "product/process development"; and "technology development". The operational project environment is "Classic" and more process driven because there is less uncertainty, but the other two are very uncertain and would benefit from agile project management. His second criterion is Organizational Stakeholders in which agile PM concepts have the best chance of success when the project operates under, more or less, a single organizational umbrella.

Gary provides an "Agile Strategy" that says:

"Track trends of key external influencers, as well as variances from what is expected, and you will move from being reactive to proactive." And "By monitoring the trends, the project manager and team are better able to make the decisions that will keep their project aligned with the true business needs."

Methodology, Analysis, Discussions:

As we all know, many kinds of agile project management tools are present. Others are more generic and can be used for any sort of agile methodology or industry. Some of them are specific, utilised for types of agile techniques like Scrum, Kanban, and XP.

Some tools offer opportunities for free and charge for usage based on the number of users. For small businesses with three to five staff, it may be crucial. Price variants are employed when the number of employees rises. For senior projects, Ice scrum, Trello, and Asana are excellent choices since they can automate some of your most time-consuming communication and collaboration activities.

While developing research design researcher partly followed the guideline proposed by Keele. It is crucial to note that SLR was developed for use in medicine before being used to software engineering. As a result, the methodology had to be modified through testing in order for SLR to be effective in this sector.

Digital databases used were: SCOPUS, Science Direct, ACM Digital library, Pro Quest, EBSCO host, Emerald, IEEE.

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