

*Libyan International Medical University*

# **Contemporary issues in Project Management**

*Hybrid approaches of project management:*

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# Table of contents

- Introduction
- Definition of project
- Traditional project management practices and characteristics
- Agile project management practices
- Challenges and benefits of Agile project management
- Hybrid project management
- Challenges and benefits of Hybrid project management
- The need for Hybrid approaches
- Conclusion
- References

# Introduction

- The hybrid approach, which is gaining popularity but is still in its early stages, combines structured waterfall and flexible agile to achieve hybrid success.
- When working on a project as a hybrid type of both traditional and agile, structure and agility will complement each other. The hybrid approach combines a traditional project management framework with agile project management flexibility .

# Definition of project

- A project is a set of distinct, temporary, and interconnected activities designed to achieve specific goals that are measured in terms of production or benefits
- *Tonnquist (2012)* stated, “A project has a beginning and an end, and it is deemed satisfactory when the intended goals are fulfilled within the agreed-upon timeframe and budget” (*p.553*).

# Traditional project management practices

- The practice of project management entails identifying the project's goals, scope, deliverables, and approaches to how the project can be carried out
- By involving project stakeholders, the project can be better aligned with its target and completed on schedule and budget, meeting the project owner's expectations

# TPM Characteristics

- *Azanha (2017)* noted, “Traditional project management approaches include a high degree of detail in the project plan to ensure that project deliverable are reached within a specified scope, expense, and time frame” (*pp 121-142*).
- The project's productivity and progress are dependent on a person who has a thorough understanding of the resources and activities required to accelerate the process

# Waterfall

- a conventional software development project management approach
- it can be used in both small and large projects "plan-driven model “
- operations are carried out one at a time, reducing risks and uncertainties. Before moving on to the next operation.

# Agile project management practices

- There is no specific formulated way of accepted practices because each agile project management has its own set of rules and regulations in practice and agile project management study is in transition
- Agile project management approaches consist of tools, strategies, and practical actions
- Agile methods are used in software projects because of their strong preparation, flexible iterations, progressive growth, and rapid delivery



# Agile project management practices

- The most important agile principles are:
  - 1- Individuals and interactions over processes and tools.
  - 2- Working software over comprehensive documentation.
  - 3- Customer collaboration over contract negotiation.
  - 4- Responding to change over following a plan.

# Challenges and benefits of Agile project management

- The most significant impediment to implementing agile project management methodology is corporate culture.
- This is a roadblock because it would prevent the effective implementation of agile project management techniques.
- companies implementing agile project management have little documentation, which is a big obstacle when implementing the technique

# Challenges and benefits of Agile project management

- When successfully implemented, agile project management increases the efficiency of the implementation performance
- reduces rework by allowing for adaptation and timely responses to iterations.
- high level of employee teamwork

# Hybrid project management

- Hybrid approach is a combination between agile-scrum and waterfall approaches.
- as traditional and agile approaches do not have the overall advantages that project managers are looking for. The Hybrid project management approach was invented.
- hybrid project management approach is often used to maximize stakeholder input and reduce risk and uncertainty. So overall performance rate will increase.

# Challenges of Hybrid project management

.When waterfall and agile techniques are used in tandem, it can be complicated because it can lead to disputes at various levels of the company.

- there will be development process conflicts, people conflicts, and company conflicts
- resistance from team members
- Adapting to new methodologies and learning requires time

# Benefits of Hybrid project management

- The main advantage of hybrid project management methodology is flexibility
- reduction of rework due to data transparency
- higher performance rates and lower costs

# The need for Hybrid approaches

- The failure of projects can be traced back to the incorrect selection of a software technique.
- Different approaches could be used depending on the type of the project.
- Creating a growth plan that is specific to the company or project.

# Conclusion

- Organizations can generate desired outcomes as output to improve the performance rate and can create value for end-users or project owners inside and outside the company, among other benefits of using a hybrid approach to manage various software projects.
- Other advantages include data transparency, reduced rework, user requirements, versatility for innovations, and the ability to produce results on time.



# References

- Azanha, A., Argoud, A. R., Camargo Junior, J. B., & Antonioli, P. D. (2017). Agile project management with Scrum. *International Journal of Managing Projects in Business*, 10(1), 121-142. doi:10.1108/ijmpb-06-2016-0054
- Sliger, M. (2017). Agile/Scrum project management. *Project Management Case Studies*, 763-782. doi:10.1002/9781119389040.ch21.
- Špundak, M. (2014). Mixed Agile/Traditional project management Methodology – reality or Illusion? *Procedia - Social and Behavioral Sciences*, 119, 939-948. doi: 10.1016/j.sbspro.2014.03.105
- Tonnquist, B. (2014). Project portfolio management. *Project Management Theory and Practice*, 542-561. doi:10.1201/b17589-37