



Faculty of Engineering

**Agile Project Management Implementation for
Construction Companies in Jordan**

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**This Thesis is submitted to Faculty of Engineering as a Partial
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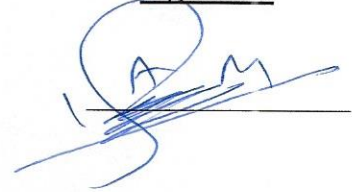
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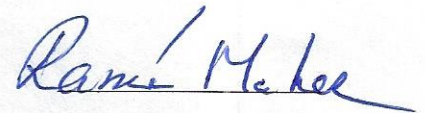
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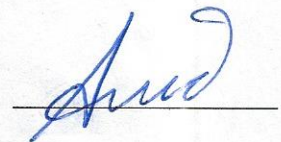
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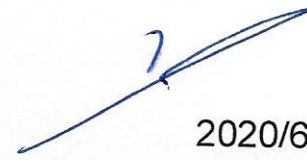
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Dedication

To whom who taught me the meaning of patience and determination and gave his life to me.

To his blessed soul.

To my father, the symbol of my success.

To the symbol of love and dedication.

Your prayers to me to achieve success have been always with me.

To whom who inspired me the meaning of giving; my beloved mother.

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List of ABBREVIATIONS

Item no.	ABBREVIATIONS	WORDS
1	APM	Agile project management
2	TPM	Traditional project management
3	HPM	hybrid project management
4	SPSS	the statistical package for social sciences
5	BIM	building information modeling

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Abstract

This study aimed at evaluating the factors encouraging or hindering the adoption of agile practices in construction projects. The methodology included reviewing the relevant literature and conducting an investigative study as well as personal interviews with a number of project managers. (188) responses were accepted and analysed in response to the questionnaire distributed. The research reached important results, the most important of which is the difficulty in applying agile management alone in construction projects without using traditional management along with it in order to control the project's general frames. So, fishbone model has been developed to implement a hybrid management. The researcher recommends that traditional approaches should be substituted by a new approach that is capable of dealing with changes; otherwise, losses will increase. The new approach suggested is agility. Other recommendations include paying attention to construction project environment, as well as focusing on reinforcing trust and transparency, through preparing the contract to be considered as an executive guide. In the transitional phase from traditional management to hybrid management, we should first focus on the question: "why?" before moving to the question: "how?" Unless we know the benefits gained from this transition, we will not be able to know how it should be realized.

Keywords: Construction projects; Project management, Traditional management; Agile project management; Hybrid management; Fishbone; Agile management methodology; Agile management tools.