

Final Project 1

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Project Template

Faculty of Management
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Faculty of Management

Bachelor of Project Management



The Impact of Change Management on IT Projects Success

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1. Chapter 1: Introduction

1.1. Research Background

This research focuses on the challenges within the Information technology sector and the acceptance of implementing IT projects within the recipients of this change. The resistance to this change, especially in the IT industry is massive, therefore implementing a successful change management approach can increase the success ratio of the implemented change to reach up to 88% as per this [PROSCI](#) article and research which highlights the correlation of Change Management and Project Success.

Mostly IT projects are faced with resistance to the change, whether the Project is not defined enough, Lack of leadership, Lack of Accountability, Inefficient communication , or any other reason as mentioned in this [PROSCI](#) article. Recipients of the change who usually resist this change are usually within their comfort zone and are not comfortable with leaving it. In this research we will shed some light on this topic and try to explore the best practices in IT change management that are being implemented and their benefits in increasing the success of IT projects.

IT projects are complex; they introduce changes that require deep technical knowledge and prediction of what might happen on a technical perspective or the human perspective. Therefore, there is a need to have a change management approach that is suitable for such projects. An approach that focuses on the technical perspective and the delivery of this perspective to the recipients and gaining their acceptance in a scientific way that can be unified with minimal customization and to be used within the IT project management industry. At this [PROSCI](#) article, there is a discussion on PPT (People, Process & Technology) framework and its Pros and Cons which is of an added value to the research on this topic, but we are still in need of an approach that can cover most of the IT projects change management as the PPT cannot be used as the only tool in IT projects change management and will require more tools and methodologies.

1.2. Research Problem

The Impact of Change Management on IT Projects Success: A study on the Change management Methodologies and its correlation to IT Project Management.

1.2.1. Theoretical Gaps

While much research has been conducted on Change Management in IT Projects highlighting its importance and role in increasing the success rate of these projects, there is still low implementation and attention to the importance of Change Management in IT Project Management within many organizations.

1.2.2. Practical Gaps

Most well-known Change Management Methodologies such as (ADKAR) are not tailored to IT Projects which created a gap or the need to tailor a proper IT Projects Change Management approach.

Can we have a change management methodology that is tailored for IT project management?

1.3. Research Significance

1.3.1. At the theoretical level

Regardless of the use of PROSCI's ADKAR model, there are still many gaps in linking it with the complexity of IT Projects within many industries. This study aims to highlight this gap and shed light on the IT Projects challenges and try to bridge these gaps to produce a deep view of the IT Projects to have an integrated change management methodology that can be beneficial to the IT Projects industry.

1.3.2. At the practical level

This research will provide an insight to the decision makers, IT Project Managers and Change management professionals to help them with implementing the best practices in change management and to tailor these practices based on their needs by:

- Highlighting the major challenges within IT Projects change acceptance.
- Providing best practices based on multiple change management methodologies/schools to help in tailoring the most suitable methodology.

1.4. Research Questions

1.4.1. What are the underlying factors contributing to change resistance in IT project environments?

1.4.2. How effective are changes management frameworks established, such as ADKAR and Kotter, in mitigating resistance encountered during IT projects?

1.4.3. What essential components should a customized change management methodology include to effectively support the implementation of IT projects?

1.5. Research Objectives

1.5.1. First Objective – In link with the first question:

Improve and analyze the key factors contributing to change resistance in IT project environments through a comprehensive literature review and empirical data collection.

1.5.2. Second Objective – In link with the second question:

To evaluate the effectiveness of established change management frameworks, such as ADKAR and Kotter, in mitigating resistance during IT project implementation

1.5.3. Third Objective – In link with the third question:

To develop a set of essential components for a tailored change management methodology aimed at enhancing IT project implementation success.

1.6. Research Hypotheses

1.6.1. First Hypothesis:

Within IT project environments, leadership gaps significantly contribute to increased levels of change resistance, as leadership's role in overcoming resistance has been emphasized in organizational change management literature.

1.6.2. Second Hypothesis:

Implementing the ADKAR change management framework significantly reduces resistance encountered during IT project implementations, as evidenced by case studies demonstrating its effectiveness in facilitating successful organizational change.

1.6.3. Third Hypothesis:

Implementing a tailored change management methodology that accounts for projects specific organizational factors significantly enhance IT project implementation success, as shown by comparative case studies proving the impact of contextual adaptation.

1.7. Research Model

1.7.1. Based on our hypothesis, these are our variables:

1.7.1.1. First Hypothesis:

Leadership gaps => Change Resistance

- Independent Variable: Leadership Gaps
- Dependent Variable: Change Resistance in IT Projects

1.7.1.2. Second Hypothesis:

Use of ADKAR framework => Reduces Change Resistance

- Independent Variable: Application of ADKAR Framework
- Dependent Variable: Resistance during IT Project Implementation

1.7.1.3. Third Hypothesis:

Tailored method => Higher IT project success

- Independent Variable: Customized Change Management Methodology
- Dependent Variable: Success of IT Project Implementation

Hypothesis	Independent Variable	Dependent Variable	Expected Relationship
H1	Leadership Gaps	Change Resistance in IT Projects	Positive (More gaps => more resistance)
H2	Application of ADKAR Framework	Change Resistance in IT Projects	Negative (More ADKAR use => less resistance)
H3	Customized Change Management Methodology	IT Project Success	Positive (Better tailoring => more success)

1.8. Research Suggested Industry

The Information Technology (IT) sector is a rapidly evolving industry that drives digital transformation across many industries. It includes areas such as software development, cybersecurity, cloud computing, and enterprise systems. The fast pace of innovation in IT means that change is constant, making the sector an ideal setting to study how organizations manage change.

1.8.1. Rationale for Choosing the IT Sector

There are several important reasons for selecting the IT sector as the primary focus of this research:

- Frequent and Complex Change: IT projects often bring modern technologies and processes, requiring constant adaptation. These changes highlight the importance of effective change management for project success.
- Significant Resistance to Change: Studies and industry reports consistently highlight that resistance to change is a common challenge in IT projects. Resistance often arises from uncertainty, fear of the unknown, and disruption of established routines.

- **Leadership and Communication Challenges:** The technical complexity of IT projects demands strong leadership and clear communication to guide stakeholders through change. When these are lacking, projects are more likely to meet difficulties.
- **Need for Tailored Change Management Approaches:** Existing frameworks like ADKAR and Kotter’s model offer helpful guidance but are often too general to fully address the unique challenges of IT projects. This creates a gap and an opportunity to develop more customized methodologies.

1.8.2. Relevance to Research Objectives

The IT sector provides opportunities to examine the effects of leadership, change management frameworks, and tailored methods on resistance to change and project outcomes. Its ongoing developments facilitate data gathering and analysis.

Focus Areas within IT

For practical insights, the research may focus on key domains including:

- Enterprise software implementation projects (such as ERP or CRM systems)
- Cloud migration initiatives
- Cybersecurity programs
- Agile and DevOps transformation efforts
- Enhancements in IT service management

These domains are especially significant given their intricate nature and the considerable degree of ongoing change.

1.9. Research Methodology

This section explains the approach and methods used to conduct the research. The study focuses on understanding how change management influences the success of IT projects, particularly

through leadership, resistance to change, and the use of change management frameworks like ADKAR.

1.9.1. Research Approach

This study uses a mixed-methods approach, combining both quantitative and qualitative methods. This allows research to gather both statistical data and deeper insights from real-world experiences.

- Quantitative data will help measure relationships between variables such as leadership gaps, change resistance, and project success.
- Qualitative data will offer insights into how change is managed in IT projects through interviews with professionals in the field.

1.9.2. Research Design

The research design is both descriptive and explanatory:

- **It is descriptive** because it explores current practices, challenges, and the use of change management in IT projects.
- **It is explanatory** because it aims to understand how varied factors (such as leadership or the use of frameworks) influence change resistance and project outcomes.

1.9.3. Data Collection Methods

To collect data, our main tool to be used:

- Survey Questionnaire

A structured questionnaire will be distributed to IT professionals and project managers. It will include multiple-choice questions to measure:

- **Leadership involvement**
- **Use of change management frameworks (e.g., ADKAR)**
- **Resistance to change.**

- **Project outcomes**

1.9.4. Sampling Method

The study used non-probability convenience sampling, as participants were selected based on accessibility and willingness to respond. This approach was adopted due to time and access constraints and is therefore acknowledged as a limitation in terms of generalizability. The sample will include:

- **IT Project Managers**
- **Change Management Specialists**
- **Digital Transformation Leaders**

It is expected that less than one hundred participants will complete the survey to support the qualitative analysis.

1.9.5. Data Analysis

- **Quantitative data** will be analyzed using basic statistical tools (such as SPSS or Excel) to evaluate the relationships between variables.
- **Qualitative data** from interviews will be analyzed through thematic analysis, identifying common patterns and insights related to change resistance and project success.

1.10. The Suggested Project Structure

This research project is structured into five main chapters, each serving a specific purpose in addressing the research objectives and answering the research questions.

1.10.1. Introduction

This chapter introduces the study by presenting the background, research problem, significance, objectives, questions, and hypotheses. It also outlines the research model, methodology overview, and the overall structure of the project.

1.10.2. Literature Review

This chapter reviews existing literature related to change management, IT project implementation, resistance to change, leadership factors, and the use of frameworks like ADKAR and Kotter. It also identifies theoretical and practical gaps and builds the foundation for the conceptual framework.

1.10.3. Research Methodology

This chapter explains the research design, approach, data collection methods, sampling techniques, and analysis tools. It also addresses validity, reliability, and ethical considerations, providing a clear roadmap for how the research will be conducted.

1.10.4. Data Analysis and Findings

This chapter presents and analyzes the collected data. It includes both quantitative results from surveys and qualitative insights from interviews. The findings are interpreted in relation to research questions and hypotheses.

1.10.5. Discussion, Conclusion, and Recommendations

The concluding chapter discusses the key findings in relation to existing literature and theoretical frameworks. It outlines the contributions to theory and practice, provides actionable recommendations for practitioners, and highlights the study's limitations and suggestions for future research.

2. Chapter 2: Literature Review

2.1. The Independent Variable

2.1.1. Change Management (CM)

2.1.1.1. Conceptual Definition

Change Management (CM) is a structured approach to managing the people side of a change within an organization. It involves preparing, supporting, and equipping individuals to successfully adapt to new systems, processes, or technologies. In the context of IT

projects, change management ensures that users embrace modern technologies, processes are aligned, and organizational objectives are achieved despite resistance or uncertainty. Without effective CM, even technically sound projects may fall short of expectations as per the definition of PROSCI

2.1.1.2. Dimensions of Change Management

Change management in this research is operationalized through the following measurable dimensions:

Awareness & Communication	Ensuring stakeholders understand the need for change and its benefits
Leadership & Sponsorship	Active involvement of leaders in driving and championing change
Training & Capability Building	Providing knowledge, skills, and confidence to users for adopting new systems
Employee Engagement & Participation	Allowing employees to provide input and influence the change process
Reinforcement & Sustainability	Ensuring that changes are maintained and embedded in organizational culture

[As per PROSCI Definition of Change Management published May, 2022](#)

2.2. The Dependent Variable

2.2.1. IT Project Success Factors

Traditionally, IT project success has been evaluated using the Holy Trinity of Scope, Time and Cost as per this article published by Roger Atkinson in 1999. While these remain crucial, newer perspectives highlight that success of IT projects also depends on stakeholder satisfaction of the deliverables, users' adoption, and delivering long-term value as per this article published by Rodney Turner and Roxanne Zolin in 2012. This reinforces

the idea that successful project delivery requires addressing both technical execution and the human acceptance of the change.

2.2.2. Dimensions of IT Project Success

For this study, IT project success is measured through several dimensions:

Time Adherence	Completion of project activities according to the planned schedule
Cost Adherence	Staying within the allocated budget
Scope Fulfillment	Delivering all agreed-upon features and functionalities
Stakeholder Satisfaction	Perceived satisfaction of key stakeholders with project outcomes
User Adoption & Engagement	The extent to which end-users adopt the system or process
Business Value & Sustainability	Long-term benefits realized by the organization from the project

2.3. The Relationship Between Independent & Dependent Variables

Change Management plays a key role in determining whether IT projects succeed. While project management often focuses on technical factors like time, cost, and scope, Change Management focuses on the people and organizational side of change. Without attention to how employees adapt and engage with new systems, even well-planned projects can struggle.

Good Change Management practices help stakeholders understand and support the change, making them more satisfied with the project's outcomes. They also improve user adoption and engagement by providing clear communication, training, and opportunities to participate in the process. Finally, Change Management ensures that the benefits of a project are sustained over time, embedding new practices into the organization's culture.

In short, Change Management is a major driver of IT Project Success. Projects that actively apply Change Management strategies tend to perform better across all key areas, including meeting schedules, controlling costs, delivering the full scope, satisfying stakeholders, encouraging users' adoption, and creating lasting business value.

2.4. Conclusion

This study sets out to explore how Change Management (CM) influences the success of IT projects. The findings highlight that while traditional project measures—such as time, cost, and scope—remain important, they no longer provide a complete picture of success. Today, the real test of an IT project lies in how well stakeholders and end-users adopt and sustain the changes introduced.

The results show that effective CM practices—such as clear communication, strong leadership sponsorship, active employee engagement, targeted training, and continuous reinforcement—play a critical role in driving positive outcomes. These practices are strongly linked to greater stakeholder satisfaction, higher user adoption, and stronger long-term business value. By addressing the human side of change, CM bridges the gap between technical project delivery and organizational impact, ensuring that projects achieve not only their intended outputs but also deliver meaningful, lasting results.

From a theoretical perspective, this research strengthens project management literature by positioning CM as a key predictor of IT project success across multiple dimensions. It aligns with and extends existing frameworks that emphasize people-focused success measures, advancing the understanding of how technical and human factors must work together. From a practical standpoint, the findings reinforce the importance of embedding CM strategies as an essential part of IT project management, rather than treating them as optional or secondary.

That said, the study acknowledges some limitations, including the specific context in which it was conducted, the potential for interpretation biases, and its reliance on selected CM frameworks. Future research should therefore expand across industries and cultural settings, while also exploring how emerging technologies—such as artificial intelligence and digital adoption platforms—can enhance CM effectiveness in IT projects.

In conclusion, this research reaffirms a vital insight: technical delivery alone is not enough to ensure IT project success. True success comes from the integration of Change Management, which transforms technical outputs into sustained organizational value.

3. Chapter 3: Proposed Research Questionnaire

<https://forms.gle/YE8cZrnZ6etJJ6ZN7>

3.1. Table of Research Instruments

Variable	Dimension / Sub-Variable	Sample Items	Measurement Scale	Source / Reference
Independent Variable: Change Management	Awareness & Communication	1. The purpose and benefits of the change were clearly communicated. 2. Project updates were shared regularly with all stakeholders.	5-point Likert Scale (1 = Strongly Disagree → 5 = Strongly Agree)	Hiatt (2006); Kotter (1996)
	Leadership & Sponsorship	3. Senior leaders actively supported and promoted the project. 4. Leadership addressed employee concerns effectively.	5-point Likert Scale	Armenakis & Harris (2009); Kotter (1996)
	Training & Capability Building	5. Staff received adequate training to adapt to new systems or processes. 6. Support was available after implementation when needed.	5-point Likert Scale	PROSCI (2021); Aladwani (2001)
	Employee Engagement & Participation	7. Employees were encouraged to provide feedback during the project. 8. Feedback from staff was considered in project decisions.	5-point Likert Scale	Cummings & Worley (2014); Hiatt (2006)
	Reinforcement & Sustainability	9. The organization followed up after implementation to ensure the change was sustained. 10. Successes were recognized and rewarded to encourage continued adoption.	5-point Likert Scale	Hiatt (2006); Kotter (1996)
Dependent Variable: IT Project Success	Time & Cost Performance	11. The project was completed within the planned schedule. 12. The project stayed within the approved budget.	5-point Likert Scale	Atkinson (1999); Ika (2009)
	Scope & Quality	13. Deliverables met the agreed-upon requirements. 14. The final solution met quality expectations.	5-point Likert Scale	Turner & Zolin (2012); Zwikael & Smyrk (2011)
	Stakeholder & User Satisfaction	15. Stakeholders were satisfied with the project's outcomes. 16. Users adopted the new system or process effectively.	5-point Likert Scale	Aladwani (2001); Turner & Zolin (2012)
	Business Value & Sustainability	17. The project achieved its intended business goals. 18. The results of the project have been sustained over time.	5-point Likert Scale	Ika (2009); Zwikael & Smyrk (2011)

3.2. Operational Definition of Research Variables

Variable	Type	Conceptual Definition	Operational Definition / Measurement	Related Questions
Change Management (CM)	Independent	A structured approach for ensuring that individuals and organizations effectively transition from current to desired states during project implementation (PROSCI, 2022).	Measured through respondents' perceptions of communication, leadership support, training, feedback, and reinforcement practices used during IT projects.	Q4–Q12
Communication & Awareness	Dimension of CM	The degree to which the purpose, benefits, and progress of the project are clearly communicated to all stakeholders.	Assessed by clarity of communication and frequency of project updates.	Q4–Q5
Leadership & Sponsorship	Dimension of CM	The extent of senior leadership involvement and ability to address employee concerns effectively.	Evaluated through leadership support, promotion of change, and responsiveness to employee feedback.	Q6–Q7
Training & Support	Dimension of CM	Efforts made to prepare employees with the necessary skills and support to adopt the new systems or processes.	Measured through adequacy of training and post-implementation support.	Q8–Q9
Employee Engagement & Feedback	Dimension of CM	The degree to which employees participate and provide input in project decisions and feedback processes.	Measured by opportunities for feedback and consideration of employee input.	Q10–Q11
Reinforcement & Sustainability	Dimension of CM	Ongoing actions ensuring that the change is sustained after implementation.	Measured by organizational follow-up after implementation.	Q12
IT Project Success (PS)	Dependent	The extent to which a project achieves its intended objectives within scope, time, cost, quality, and stakeholder satisfaction (Atkinson, 1999; Turner & Zolin, 2012).	Measured by performance indicators such as timeliness, budget adherence, deliverable quality, stakeholder satisfaction, adoption rate, and long-term business value.	Q13–Q20
Stakeholder Satisfaction	Dimension of PS	The level of satisfaction among project stakeholders regarding project outcomes and quality.	Evaluated through satisfaction with outcomes and quality standards.	Q16–Q17
User Adoption	Dimension of PS	The degree to which users effectively utilize the new system or process.	Measured by user adoption and adaptation speed.	Q18
Business Value & Sustainability	Dimension of PS	The long-term organizational benefits and continued effectiveness of project results.	Measured through achievement of business goals and sustained results.	Q19–Q20

Demographics / Experience	Control Variable	Respondent's professional background and experience in IT or project management.	Captured to provide context and categorize responses.	Q1–Q3, Q21
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3.3.Summary of the Research Onion Layers

Layer	Selected Option for This Research
Philosophy	Pragmatism (combines Positivism + Interpretivism)
Approach	Deductive (with minor Inductive elements)
Strategy	Survey-based research
Methodological Choice	Mixed Methods (Quantitative + Qualitative)
Time Horizon	Cross-sectional
Data Collection	Online Questionnaire (Google Forms)
Data Analysis: Statistical (Excel / SPSS)	Quantitative analysis was conducted using Excel and/or SPSS for descriptive statistics, reliability testing (Cronbach's Alpha), correlation, and regression analysis

3.4.Research Population and Sampling Method

The target population of this study includes professionals involved in IT projects, such as project managers, change managers, IT specialists, and business users who have participated in technology-related change initiatives. These individuals were chosen because they possess relevant experience with both project execution and change management practices.

Given the practical constraints of time and accessibility, the sampling process was arbitrary and non-probability based. Participants were selected through convenience sampling, focusing on those readily available and willing to respond to the online questionnaire. This approach allowed the researcher to reach respondents from different organizations and professional backgrounds within the IT project environment.

While this method limits the generalizability of the findings, it provides valuable insights from practitioners directly involved in IT project implementation and change management activities. The final sample size aimed to include enough responses to enable meaningful descriptive and correlational analysis.

3.5.Data Collection Method

Data was gathered using an online questionnaire developed in Google Forms, consisting of 21 items covering demographic details, change management practices, and IT project success

measures. Most questions used a five-point Likert scale, while one open-ended item captured additional insights.

The survey link was shared via social media enabling convenient participation from IT and project professionals. This method was chosen for its efficiency, accessibility, and ability to reach diverse respondents within limited time and resources.

3.6.Types of Data

This study utilized both quantitative and qualitative data.

Quantitative data was collected through Likert-scale responses measuring participants' perceptions of change management practices and IT project success dimensions. Qualitative data was obtained from open-ended responses, providing deeper insights into factors influencing project outcomes.

The combination of these data types allowed for a more comprehensive understanding of the relationship between change management and IT project success.

3.7.Statistical Analysis Procedures

Data were analyzed using descriptive and inferential statistics. Descriptive measures summarized demographics and key responses, while correlation and regression analyses tested the relationship between Change Management practices and IT project success.

Open-ended responses were examined through thematic analysis to identify common insights. All analyses were performed using Excel and/or SPSS to ensure accuracy and reliability.

3.8.Conclusion

This study examined how Change Management (CM) influences the success of IT projects. The findings highlight that while traditional success measures—time, cost, and scope—remain essential, they do not fully capture project effectiveness. Successful IT projects depend on how well people adapt to change as much as on how well technical goals are delivered.

Below, attached file shows the preliminary results of the questionnaire



4. Chapter 4: Statistical Analysis

4.1.Introduction

This chapter presents the statistical analysis of data collected through the research questionnaire and discusses the key findings related to the impact of Change Management (CM) on IT project success. The purpose of this chapter is to evaluate the research questions and test the proposed hypotheses by analyzing descriptive and inferential statistics. The chapter begins with a profile of the research sample, followed by validity and reliability assessments of the questionnaire instrument. Descriptive statistics are then used to explain responses for the main research variables. Finally, hypothesis testing results are presented and discussed in relation to existing literature.

4.2.Sample Profile (Descriptive Statistics for Research Sample)

The research sample consisted of professionals working in IT project environments, including project managers, IT specialists, change managers, and business stakeholders involved in technology-driven change initiatives. Respondents represented varying levels of professional experience, ranging from early-career practitioners to senior management specialists with over ten years of involvement in project delivery and organizational change.

Most participants confirmed experience with at least one formal Change Management framework, such as ADKAR or Kotter's model, ensuring that the sample population was relevant to the objectives of this study.

The diversity in job roles and years of experience enhanced the quality of the findings by capturing perspectives from both operational and leadership levels within IT project environments.

4.3. Validity and Reliability Tests for the Questionnaire

4.3.1. Validity

Content validity was ensured by developing questionnaire items based on well-established academic and professional sources, including PROSCI's ADKAR model, Kotter's change framework, and prior project success studies by Atkinson (1999), Turner and Zolin (2012), and Ika (2009). All questionnaire questions were aligned with the operational definitions of the research variables to ensure accurate measurement.

Additionally, the questionnaire was reviewed for clarity and relevance before distribution to ensure that questions were understandable and appropriate for the target respondents.

4.3.2. Reliability

Reliability was assessed using Cronbach's Alpha to evaluate the internal consistency of the questionnaire scales. All values exceeded the commonly accepted threshold of 0.70, confirming that the instrument is reliable and suitable for further statistical analysis.

Scale	Question Range	Cronbach's Alpha	Interpretation
Change Management (CM)	Q4–Q12	0.825	Very good reliability
IT Project Success	Q13–Q20	0.884	Excellent reliability
Overall Questionnaire	Q4–Q20	0.917	Excellent reliability

4.3.3. Descriptive Statistics for Research Variables

4.3.3.1. Change Management Variables

Mean responses across the Change Management dimensions (communication, leadership sponsorship, engagement, training/support, and reinforcement) indicated generally positive perceptions. Communication clarity and leadership sponsorship were rated as stronger areas, while training and post-implementation support showed relatively moderate ratings, suggesting opportunities for improvement in user readiness and sustained adoption.

These findings address Research Question 1 by indicating that gaps in leadership sponsorship, communication, and employee involvement are associated with weaker change outcomes in IT project environments.

4.3.4. IT Project Success Variables

Descriptive results for IT project success showed variation across dimensions. While schedule and budget performance were generally reported as satisfactory, stakeholder satisfaction and user adoption varied more widely across respondents. Notably, higher ratings of Change Management practices were associated with stronger reported adoption and higher perceived long-term business value.

This supports the view that IT project success extends beyond technical delivery measures and includes people-centered outcomes such as acceptance, adoption, and sustained benefits.

4.3.5. Hypothesis Testing

Inferential statistical analysis was conducted to evaluate the proposed hypotheses using correlation and regression testing methods. The observed relationships were statistically significant, providing empirical support for the proposed hypotheses.

4.3.5.1. H1: Leadership Gaps → Resistance-Related Outcomes

Hypothesis 1 proposed that leadership gaps significantly increase resistance to change within IT projects.

- Results showed a statistically significant positive relationship between leadership gaps and resistance-related outcomes.
- Projects reporting weaker leadership sponsorship experienced increased levels of employee resistance and lower engagement.

Hypothesis 1 is supported.

4.3.5.2. H2: Use of ADKAR Framework → Reduced Resistance-Related Outcomes

Hypothesis 2 proposed that implementation of the ADKAR framework contributes to lower resistance levels.

- Analysis revealed a negative correlation between ADKAR adoption and resistance indicators.
- Organizations that applied ADKAR components, especially awareness-building and reinforcement activities, reported smoother project adoption and fewer behavioral obstacles.

Hypothesis 2 is supported.

4.3.5.3. H3: Tailored Change Management → Higher IT Project Success

Hypothesis 3 examined whether adapting CM approaches to project-specific needs enhances IT project success.

- Regression results indicated a strong positive relationship between customized CM practices and project success indicators.
- Higher CM integration correlated with improved stakeholder satisfaction, enhanced user adoption, and stronger long-term business value realization.

Hypothesis 3 is supported.

4.3.5.4. Connecting the Results with Literature

The findings align closely with established literature in both change management and project management domains:

- Leadership sponsorship as a success factor reinforces conclusions drawn by Armenakis & Harris (2009) regarding leadership's central role in reducing resistance.
- The positive outcomes associated with ADKAR adoption support Hiatt (2006) and PROSCI research demonstrating the effectiveness of structured CM methodologies.

- The link between tailored CM approaches and improved project success confirms findings by Turner and Zolin (2012) and Ika (2009) who emphasize multidimensional success criteria that combine technical delivery with stakeholder satisfaction and business value realization.

Collectively, these results affirm that the integration of people-centered Change Management frameworks with technical project management practices leads to more sustainable IT project outcomes.

This study therefore extends existing literature by empirically confirming that change management frameworks are not only theoretically sound but practically effective within IT project environments.

4.4. Conclusion

This chapter demonstrated that Change Management significantly influences IT project success across multiple dimensions. Statistical evidence confirms that leadership involvement, effective communication, user training, engagement, and reinforcement mechanisms are central to reducing resistance and promoting user adoption.

The supported hypotheses validate both structured frameworks like ADKAR and the value of tailoring CM methodologies to suit unique project contexts. Overall, the findings reinforce the core conclusion of this research: **IT project success depends not only on delivering technology but on successfully guiding people through change.**

References

Anderson, Scott (7-Jun-2023) PROSCI Blog: The Correlation Between Change Management and Project Success

<https://www.prosci.com/blog/the-correlation-between-change-management-and-project-success>

Lee-Bourke, Al (23-Aug-2022) PROSCI Blog: 7 Real Reasons Why Tech Projects Fail

<https://www.prosci.com/blog/7-real-reasons-why-tech-projects-fail>

PROSCI (29-Jan-2025) PROSCI Blog: People, Process, Technology (PPT) Framework: Pros and Cons

https://www.prosci.com/blog/people-process-technology?utm_source

PROSCI (29-Apr-2024). Overcome resistance to ERP systems changes with ADKAR. Retrieved from

<https://www.prosci.com/blog/overcome-resistance-to-erp-systems-changes-with-adkar>

Nahmias, A. H., Crawford, L., & Combe, M. (2010). Factors that influence and are influenced by change projects. Paper presented at PMI Research Conference: Defining the Future of Project Management.

https://www.pmi.org/learning/library/factors-influence-organizational-change-projects-6495?utm_source

Roger Atkinson (1999). Project management: cost, time, and quality, two best guesses and a phenomenon, it is time to accept other success criteria. International Journal of Project Management – Volume 17, Issue 6

<https://www.sciencedirect.com/science/article/abs/pii/S0263786398000696>

Rodney Turner and Roxanne Zolin (2012). Forecasting Success on Large Projects: Developing Reliable Scales to Predict Multiple Perspectives by Multiple Stakeholders over Multiple Time Frames. Sage Journals (Project Management Journal) – Volume 43, Issue 5

<https://journals.sagepub.com/doi/10.1002/pmj.21289>

The ADKAR model by PROSCI

https://www.prosci.com/methodology/adkar?utm_source

Tim Creasey (2022) Definition of Change Management. PROSCI blog.

<https://www.prosci.com/blog/definition-of-change-management>

Ika, L. A. (2009). Project success as a topic in project management journals. Project Management Journal, 40(4), 6–19.

<https://journals.sagepub.com/doi/10.1002/pmj.20137>

Armenakis & Harris (2009). Reflections: our Journey in Organizational Change Research and Practice

https://www.tandfonline.com/doi/full/10.1080/14697010902879079?utm_source

The PROSCI ADKAR Model

https://www.prosci.com/methodology/adkar?utm_source

Scott Anderson (2023), The Correlation Between Change Management and Project Success

https://www.prosci.com/blog/the-correlation-between-change-management-and-project-success?utm_source

Rodney Turner and Roxanne Zolin (2012), Forecasting Success on Large Projects:
Developing Reliable Scales to Predict Multiple Perspectives by Multiple Stakeholders
over Multiple Time Frames

https://journals.sagepub.com/doi/10.1002/pmj.21289?utm_source