

**Exploring the factors associated with project complexity in
transport infrastructure development projects**



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Abstract

Enormous Transport Infrastructure Development Projects with expanding intricacies are being established at an increasing ratio in the developing countries. Project management is becoming complicated because of its bulkier Projects in term of duration and cost but also due to large number of stakeholders involved. In this respect, Project management is becoming increasing complex not only because of Projects are becoming larger in term of duration and cost but also due to large number of stakeholders involved. The purpose of this research is to identify the factors associated with project complexity in Transport Infrastructure development projects. This research is exploratory and employed quantitative paradigm to answer the research question.

Findings of this research show that five factors are associated with project complexity in Transport Infrastructure Development Projects which are: Ambiguity in initial phases, Interdependence among process, Context, Diversity in background and large size. The research limitation is that this research employed the quantitative research strategy. This strategy yield data with greater latitude but not in profundity. Therefore, this research did not implement in-depth exploratory techniques associated with qualitative research paradigm. Furthermore, the cross-section of the respondents represent only Transport Infrastructure Development Projects, the sample does not cover all the possible sectors which could have complex projects (Engineering, IT, Supply chain etc....). However, further investigation is required for other complex sectors.

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Table of Contents

Chapter 1: INTRODUCTION.....	1
1.1 Introduction.....	1
1.2 History of the Past Projects.....	4
1.3 Gap Analysis.....	7
1.4 Problem Statement.....	9
1.5 Research Objective.....	10
1.6 Research Question.....	10
1.7 Significance.....	10
Chapter 2: LITERATURE REVIEW.....	12
2.0 Literature Review.....	12
2.1 Definition of a Project.....	13
2.2 Classification of Projects.....	13
2.3 Definition of Complexity.....	15
2.4 Complex and Complicated.....	18
2.5 Project Complexity.....	21
2.5.1 The Project Management Institute (PMI) View.....	23
2.5.1.1 Organizational Complexity.....	24
2.5.1.2 Technological Complexity.....	24
2.5.1.3 Mission.....	27
2.5.1.4 Organization.....	29
2.5.1.5 Delivery.....	29
2.5.1.6 Stakeholders.....	31
2.5.1.7 Team.....	33
2.5.2 The System of Systems (SOS) View.....	34
2.5.3 The Complexity Theories View.....	36
2.6 Tabular Representation of Factors Contributing to Project Complexity.....	39
Chapter 3: METHODOLOGY.....	46
3.0 Introduction.....	46
3.1 Justification of Selected Methodology.....	47
3.2 Study design.....	48
3.2.1 Cross-sectional Design.....	48

3.2.2 Based on the nature of the investigation	48
3.3 Extent of Researcher's Involvement	48
3.4 Study Settings	49
3.5 Data Collection Method	49
3.6 Data Analysis Technique	51
3.7 Sampling	51
3.7.1 Unit of Analysis	51
3.7.2 Target Population.....	51
3.7.3 Sampling Technique	52
3.7.4 Sample Size.....	53
3.8 Data Analysis	54
3.8.1 Descriptive Statistics of Participants	54
3.8.1.1 Gender.....	54
3.8.1.2 Age.....	55
3.8.1.3 Designation	56
3.8.1.4 Education	57
3.8.1.5 Experience	58
3.8.2 Exploratory Factor Analysis	60
3.8.2.1 Descriptive	60
3.8.2.2 Extractions	61
3.8.2.3 Rotation.....	62
3.8.2.5 Scores and Options	63
3.8.3 Exploratory Factor Analysis Adequacy	63
3.8.3.1 Kaiser-Mayer-Olkin (KMO) and Bartlett's Test	63
3.8.3.2 Total Variance Explained	64
3.8.3.3 Goodness-of-Fit Test	65
3.8.3.4 Reliability Test.....	66
3.8.3.5 Scree Plot	66
3.9 EFA Convergent Validity	67
3.10 Descriptive of Project Complexity Construct	70
Chapter 4: CONCLUSIONS AND DISCUSSION.....	72
4.1 Mapping the Observed Variables to the Identified Factors	72
4.2 Identified Complexity Factors	75
4.2.1 Ambiguity in Initial Phases.....	77

4.2.2 Interdependence among Processes.....	79
4.2.3 Context.....	80
4.2.4 Diversity in Background.....	81
4.2.5 Large Size	81
4.3 Discussion.....	82
4.4 Research Limitations	87
4.5 Proposed Possibilities for Future Research.....	88
4.5 Recommendations.....	89
REFERENCES	91
APPENDICES	99

Table of Figures

Figure 1: Sequence of literature review	12
Figure 2: A historical development of perception of project complexity	21
Figure 3: Summary of MODEST Model	27
Figure 4: Study Design	47
Figure 5: Operationalization of the Construct of Project Complexity	50
Figure 6: Frequencies of Participants Based on Gender	54
Figure 7: Frequencies of Participants Based on Age	56
Figure 8: Frequencies of Participants Based on Designation	57
Figure 9: Frequencies of Participants Based on Education	58
Figure 10: Frequencies of Participants Based on Experience.....	60
Figure 11: Scree Plot.....	67
Figure 12: Conclusion.....	82

Table of Tables

Table 1: Summary of Project Complexity (Baacarini, 1996)	23
Table 2: Summary of the Methodology Employed for the Research	46
Table 3: Protocol of Proportionate Stratified Sampling	53
Table 4: Gender.....	54
Table 5: Age.....	55
Table 6: Designation	56
Table 7: Education	57
Table 8: Experience	58
Table 9: Acceptance level of KMO values (Field, 2005)	64
Table 10: KMO Measure of Adequacy and Bartlett's Test of Sphericity	64
Table 11: Total Variance Explained	65
Table 12: Goodness-of-fit Test	65
Table 13: Reliability Statistics	66
Table 14: Convergent Validity.....	68
Table 15: Project Complexity	71

Chapter 1: INTRODUCTION

1.1 Introduction

Infrastructure development is the key weapon in this war. Transport Infrastructure plays a pivotal role in nothing less than the creation of a new world where folks, goods, energy and funds agitate with unusual ease. Thus, the past decade has seen a virtual explosion in Infrastructure. A pragmatic outbreak in Infrastructure exploded in the former decades. An extraordinary amount of dollars, publically and privately, is tied up in the furnishing of new Infrastructure around the world. (Flyvbjerg et al., 2013). Extensive scale Transport Infrastructure Development Projects with expanding unpredictability are being built in numerous nations around the globe at an expanding rate in various creating nations. In this regard, Project management is getting to be plainly expanding complex not just due to Projects are getting to be plainly bigger in term of span and cost yet in addition because of extensive number of partners included. In big projects, stakeholder's interest and demand change over life