

INTERVENTIONS TO IMPROVE SAFETY CULTURE AT LARGE-SCALE CONSTRUCTION PROJECTS IN SRI LANKA

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ABSTRACT

Interventions to Improve Safety Culture at Large-Scale Construction Projects in Sri Lanka

The research evaluates safety cultural factors within large-scale construction projects across Sri Lanka to establish pragmatic solutions for enhancement. Research utilized dual methods to collect data from academic literature and industry reports and primary data acquired through questionnaires and semi-structured interviews with construction industry professionals. The author reviewed existing global and local research regarding safety culture elements during the secondary stage and collected primary information about site practices and the effectiveness of contemporary interventions within Sri Lankan construction sites. The study uncovered critical problems in both leader commitment toward safety and inadequate scheduling of safety work and insufficient funding alongside employee resistance toward safety protocols. Educational establishments require enhanced Organization Safety programs to properly train their upcoming sector leaders. The analysis led to the proposition of extensive recommendations centered on leadership support and budget planning as well as teaching reforms and worker participation. This research delivered its intended goals through a strategic framework that promotes enduring safety culture development in Sri Lankan construction sites. The research enhances both scholarly understanding and develops operational solutions which improve construction site safety standards in developing economic sectors.

Key Words: Safety Culture, Construction Projects, Sri Lanka, Leadership Commitment, Organizational Safety, Employee Engagement, Safety Training, Risk Management, Higher Education, Safety Practices, Workplace Safety, Safety Challenges, Safety Policy, Safety Awareness, Safety Improvements

TABLE OF CONTENTS

DECLARATION.....	i
ACKNOWLEDGEMENT	ii
ABSTRACT.....	iii
TABLE OF CONTENTS.....	iv
LIST OF FIGURES	viii
LIST OF TABLES.....	ix
LIST OF ABBREVIATION	x
CHAPTER 01 – INTRODUCTION.....	1
1.1 Background of study	1
1.2 Research Problem and Justification	2
1.3 Objectives of the study.....	6
1.4 Research Question	7
1.5 Research Scope	7
1.6 Significance of the study.....	8
1.7 Limitations	9
1.8 Chaptalization	10
CHAPTER 2 – LITERATURE REVIEW.....	12
2.1 Chapter Introduction	12
2.2 Defining Key Terms	12
2.2.1 Safety	12
2.2.2 Safety culture	13
2.2.3 Large-scale construction projects	13
2.3 Factors to Improve Safety Culture in Construction Projects	14
2.3.1 Leadership Commitment.....	15
2.3.1.1. Active involvement in promoting safety.....	15
2.3.1.2. Safety as a Top Priority.....	16
2.3.1.3. Resource Allocation for Safety.....	17
2.3.1.4. Regular Safety Meetings.....	17

2.3.2 Employee Training.....	18
2.3.2.1. Importance of Regular Safety Training	19
2.3.2.2 Relevance of Training in the Work Environment.....	19
2.3.2.3. Hands-On and Practical Training.....	20
2.3.2.4. Continuous Improvement Through Feedback	20
2.3.3 Communication Reporting Systems	21
2.3.3.1. Clear Communication Channels	21
2.3.3.2 An organization needs to develop a workplace environment where team members report safety risks without fear of reprisal.	22
2.3.3.3. Encouraging Active Participation in Safety Discussions.....	22
2.3.3.4. Timely Response to Reported Concerns.....	22
2.3.4 Workplace Environment Safety Systems.....	23
2.3.4.1. Organizational and Physical Environment's Impact on Safety Culture.....	24
2.3.4.2. Importance of Safety Equipment and Protective Measures	25
2.3.4.3. Safety Systems for Managing Risks	25
2.3.4.4. Integration of Advanced Technologies in Safety Systems	26
2.3.4.5. Organizations should cultivate a corporate-wide safety-oriented cultural environment.	27
2.4 Safety culture in Construction Projects.....	27
2.5 Chapter Summary	28
 CHAPTER 3 RESEARCH METHODOLOGY	30
3.1 Introduction to the chapter	30
3.2 Identification of Variables	30
3.2.1 Dependent Variable (DV): Safety Culture	31
3.2.2.1 Leadership Commitment	31
3.2.2.2 Employee Training	32
3.2.2.3. Communication, Reporting Systems	32
3.2.2.4. Workplace Environment, Safety Systems	32
3.3 Research approaches – Deductive	33
3.4 Research choices- Mixed Method.....	33

3.5 Techniques and Procedures.....	34
3.6 Population and Sample of the study.....	37
3.7 Data Collection	38
3.8 Methods of Data Analysis.....	39
3.9 Achieving objectives.....	40
3.10 Ethical consideration.....	41
3.11 Problems and Limitations	41
3.12 Chapter summary	42
 CHAPTER 4 DATA ANALYSIS	 43
4.1 Chapter Introduction	43
4.2 Data Analysis - Questionnaire	43
4.2.1 Demographic Factors	44
4.2.2 Leadership Commitment.....	47
4.2.3. Employee Training.....	51
4.2.4. Communication & Reporting Systems	55
4.2.5. Workplace Environment & Safety Systems	60
4.2.6. Safety Culture in Construction Projects.....	64
4.3 Analysis of Interview Questions.....	71
4.4 Summary of Key Findings	75
4.5 Thematic Analysis	76
4.6 Discussion	78
4.6.1 Interpretation of Key Findings.....	78
4.6.2 Contextual Factors	79
4.7 Recommendations.....	80
4.7.1 Recommendations for Industry Practice	80
4.7.2 Policy Recommendations.....	82
4.8 Chapter summary	83
 CHAPTER 05 CONCLUSION	 85
5.1 Chapter Introduction	85
5.2 Conclusion	85

5.3 Achieving Research Objectives	86
5.3.1 Objective 1: To find the factors affecting safety culture in large-scale construction projects in Sri Lanka.	86
5.3.2 Objective 2: To find out the current interventions to improve safety culture at large-scale construction projects in Sri Lanka.	87
5.3.3 Objective 3: To find out the current issues to improve safety culture at large-scale construction projects in Sri Lanka.	88
5.3.4 Objective 4: To provide the recommendations to improve safety culture at large-scale construction projects in Sri Lanka.	89
5.4 Limitations	89
5.5 Implications for Practice	90
5.6 Future Research Directions.....	91
5.7 Chapter Summary	91
 References	 93
 Appendix.....	 103
Questionnaire	103
Interview Questions	107

LIST OF FIGURES

Figure 4.1 Gender Distribution as percentage	44
Figure 4.2 Age Distribution	45
Figure 4.4 percentage of experience distribution.....	46
Figure 4.5 Pie chart - Leadership Commitment_Q1	47
Figure 4.6 Pie chart - Leadership Commitment_Q2.....	49
Figure 4.7 Pie Chart - Leadership Commitment_Q3	50
Figure 4.8 Pie chart - Leadership Commitment_Q4.....	51
Figure 4.9 Pie chart - Employee Training_Q1	52
Figure 4.10 Pie chart - Employee Training_Q2.....	53
Figure 4.11 Pie Chart - Employee Training_Q3	54
Figure 4.12 Pie chart - Employee Training_Q4.....	55
Figure 4.13 Bar graph - Communication & Reporting Systems_Q1.....	56
Figure 4.14 Communication & Reporting Systems_Q2	57
Figure 4.15 Communication & Reporting Systems_Q3	58
Figure 4.16 Communication & Reporting Systems_Q4	59
Figure 4.17 Pie Chart - Workplace Environment & Safety Systems_Q1	60
Figure 4.18 Pie Chart - Workplace Environment & Safety Systems_Q2.....	61
Figure 4.19 Pie Chart - Workplace Environment & Safety Systems_Q3.....	62
Figure 4.20 Pie chart - Workplace Environment & Safety Systems_Q4.....	63
Figure 4.21 Pie chart - Safety Culture in Construction Projects_Q1	64
Figure 4.22 Pie chart - Safety Culture in Construction Projects_Q2.....	65
Figure 4.23 Pie chart - Safety Culture in Construction Projects_Q3	66
Figure 4.24 Safety Culture in Construction Projects_Q4	67

LIST OF TABLES

Table 3-1 : <i>Achieving Research Objectives</i>	35
Table 4-1: Educational Qualification.....	45
Table 4-2 Summary of Key Findings.....	75

LIST OF ABBREVIATION

GDP	–	Gross Domestic Product
BIM	–	Building Information Modeling
H&S	–	Health and Safety
HSE	–	Health, Safety, and Environment
LSC	–	Large-Scale Construction
OSH	–	Occupational Safety and Health
OHSMS	–	Occupational Health and Safety Management Systems
PPE	–	Personal Protective Equipment
SC	–	Safety Culture
SMS	–	Safety Management System
SWMS	–	Safe Work Method Statement
TPB	–	Theory of Planned Behavior
UAV	–	Unmanned Aerial Vehicle (commonly referred to as drones)