

TABLE OF CONTENT

CHAPTER 1	INTRODUCTION	1
1.1	Background.....	1
1.2	Problem Identification	2
1.3	Objective.....	2
1.4	Hypothesis	2
1.5	Scope of Work	3
1.6	Methodology.....	4
1.7	Research Method	4
CHAPTER 2	LITERATURE STUDY	6
2.1	Port Logistic Process	6
2.2	Port Crane Operations	7
2.3	5G Technology	8
2.4	5G Implementation Service	9
2.5	5G Remote Control Cranes.....	12
CHAPTER 3	SYSTEM DESIGN AND MODELS	18
3.1	System Design	18
3.2	Research Block Diagram	19
3.3	Research Scenarios	20
3.4	Capacity Planning.....	21
3.5	Coverage Planning.....	21
3.7	Cost Structure	21
3.8	Economic Feasibility	22
CHAPTER 4	RESULTS AND ANALYSIS.....	23
4.1	Testing Scenarios.....	23
4.2	System Testing	25
CHAPTER 5	CONCLUSION AND RECOMMENDATION.....	44
5.1	Conclusion.....	44
5.2	Recommendation	44
5.3	Future Works	45
REFERENCE		46