

LIST OF TABLE

Table 2.1. Requirement Remote Control-Based Crane	13
Table 2.2. 5G and 4G Comparison	15
Table 3.1. Simulation Hardware Specifications	18
Table 3.2. Supporting Software	18
Table 4.1. CCTV Specifications	25
Table 4.2. BW Estimation.....	26
Table 4.3. BW Needed for 480p Video Size	26
Table 4.4. BW Needed for 720p Video Size	26
Table 4.5. IP Table.....	28
Table 4.6. Delay and Packet Loss Results	29
Table 4.7. Simulation Results from 1000 Packet Size.....	30
Table 4.8. Simulation Results from 100 Packet Size.....	30
Table 4.9. Coverage Testing Parameters	31
Table 4.10. Coverage Area Results.....	32
Table 4.11. CAPEX Calculation.....	35
Table 4.12. First Year OPEX Calculation	35
Table 4.13. First Year CAPEX Calculation.....	36
Table 4.14. CAPEX Calculation Year 2 - 5.....	36
Table 4.15. First Year OPEX Calculation	36
Table 4.16. Yearly OPEX Calculation.....	37
Table 4.17. NPV Calculation	37
Table 4.18. Profitability Index Calculation.....	38
Table 4.19. Economic Feasibility Index	39
Table 4.20. Business Feasibility Conclusion	39
Table 4.21. CAPEX Sensitivity	40
Table 4.22. OPEX Sensitivity.....	41
Table 4.23. Interest Rate Sensitivity	41
Table 4.24. Revenue Sentivity	42