LIST OF TABLES

2.1 Fog Node extend Cloud to network edge[1] 13

3.1 Research Comparison Outline 17
3.2 IoT, Fog, and Cloud Layer Mapping Function 22
3.3 Notation List for Figure 3.10. 28

4.1 Summary of Average Controller Queue Waiting Time. 38
4.2 Summary of Fog Nodes Queue Waiting Time. 41
4.3 Summary of Fog Layer & Cloud Layer End-to-end Delay. 41
4.4 Summary of Offloaded Queue Waiting Time. 41
4.5 Summary of Average Service Time. 43
4.6 Summary of Average End-to-end Delay. 45
4.7 Summary of Delay Measurement Component. 46
4.8 Summary of Total Departed Request from Controller Queue. 47
4.9 Summary of Total Request Processed. 47
4.10 Summary of Request Success Ratio. 49
4.11 Summary of Offloaded Request Percentage. 50
4.12 Summary of FC Scenario Offload Ratio. 51
4.13 Summary of Total Offloaded Requests. 52
4.14 Summary of Fog Nodes Utilization. 54

A.1 Summary of Controller Queue Request Departure. 61
A.2 Summary of Average Cloud Service Time. 61
A.3 Summary of Average Controller Queue Waiting Time. 61
A.4 Summary of Average End-to-end Delay. 62
A.5 Summary of Fog Layer Service Time. 62
A.6 Summary of Fog Nodes Queue Waiting Time. 62
A.7 Summary of Offloaded Request Percentage. 63
A.8 Summary of Offloaded Queue Waiting Time. 63
A.9 Summary of FC Scenario Offload Ratio. 63
A.10 Summary of Request Success Ratio. 63
A.11 Summary of Total Request Processed. 64
A.12 Summary of Fog Nodes Utilization. 64
A.13 Summary of FC Scenario Offload Ratio. 64
A.14 Summary of Waiting Time Threshold. 73

A.15 Summary of Queue Length Threshold (part 1). 74
A.16 Summary of Queue Length Threshold (part 2). 75
A.17 Summary of Queue Length Threshold (part 3). 76