

TABLE OF CONTENTS

APPROVAL PAGE	ii
SELF DECLARATION AGAINST PLAGIARISM	iii
ABSTRACT.....	iv
PREFACE.....	v
DEDICATION.....	vi
TABLE OF CONTENTS	vii
LIST OF TABLES	ix
LIST OF FIGURES	x
LIST OF ABBREVIATIONS	xii
CHAPTER 1: INTRODUCTION	1
1.1 Background.....	1
1.2 Reason Choosing Topic	2
1.3 Problem Definition and Formulation	2
1.4 Scope of Works.....	3
1.5 Purpose of Research.....	4
1.6 Research Methodology	4
1.7 Hypothesis.....	5
CHAPTER 2: LITERATURE STUDY	6
2.1 VANET (Vehicular Adhoc Network).....	6
2.2 Delay Tolerant Network (DTN).....	8
2.3 Vehicular Delay Tolerant Network.....	9
2.4 Spray and Wait Routing.....	12

2.5	Maxprop Routing	13
2.6	Resource Management (Queue Management).....	15
2.7	Clustering Configuration in VANET.....	17
2.8	Opportunistic Network Environment Simulator (ONE Simulator)	18
CHAPTER 3: RESEARCH METHODOLOGY		20
3.1	Reference Tracing.....	20
3.2	Proposed System Modeling	20
3.3	Proposed System Design.....	23
3.4	Performance Metrics	24
3.5	ONE Simulator Process	24
CHAPTER 4: SIMULATION EVALUATION AND ANALYSIS		31
4.1	VDTN Performance	31
4.2	Average Delay in Previous Routing	31
4.3	Average Delay in Proposed Routing.....	36
4.4	Existing and Proposed Routing Comparison	42
4.5	Existing and Proposed Routing Comparison	45
CHAPTER 5: CONCLUSION AND RECOMMENDATION		46
5.1	Conclusion	46
5.2	Recommendation	46
Bibliography		47
Appendix.....		50