

LIST OF TABLES

Table- 2.1	Organization of Software layers in NS-3	60
Table - 3.1	Network Parameters for SS-I	71
Table - 3.2	Throughput in Kbps (SS-I)	72
Table - 3.3	Packet Delivery Ratio in % (SS-I)	73
Table - 3.4	End to End Delay in Mille Seconds (ms) (SS-I)	74
Table - 3.5	Packet loss in No. of packets (SS-I)	75
Table -3.6	Normalized Routing Load (SS-I)	76
Table -3.7	Network Parameters for SS-II	77
Table -3.8	Throughput in Kbps (SS-II)	77
Table -3.9	PDR in % (SS-II)	78
Table - 3.10	EED in Mille Seconds (ms) (SS-II)	79
Table -3.11	Packet loss in No. of packets (SS-II)	80
Table -3.12	Normalized Routing Load (SS-II)	81
Table - 4.1	Node N4 packet forwarding in DSDV	95
Table - 4.2	MPR selection scenario	97
Table - 4.3	General Network Parameters (Case 1)	100
Table - 4.4	Throughput results of AODV, DSDV and OLSR (Case 1)	100
Table - 4.5	Packet delivery ratio results of AODV, DSDV and OLSR (Case 1)	101
Table - 4.6	End to end delay results of AODV, DSDV and OLSR (Case 1)	102
Table - 4.7	Packet loss results of AODV, DSDV and OLSR (Case 1)	103
Table - 4.8	NRL results of AODV, DSDV and OLSR (Case 1)	104
Table - 4.9	Simulation Scenario of AODV, DSDV and OLSR (Case 2)	106
Table - 4.10	Throughput (Case 2)	106
Table - 4.11	Packet Delivery Ratio (Case 2)	107
Table - 4.12	End to End Delay (Case 2)	109
Table - 4.13	Packet Loss (Case 2)	110
Table - 4.14	Normalized Routing Load (Case 2)	111

Table - 5.1	Link Attributes	121
Table - 5.2	Routing Table of Mobile Node 'B'	129
Table - 5.3	General simulation parameters (Section: A)	134
Table - 5.4	Revised values of AODV parameters	134
Table - 5.5	Throughput (in Kbps) (Section: A)	135
Table - 5.6	Packet Delivery Ratio (in %) (Section: A)	136
Table - 5.7	End to End Delay (in Millie Seconds) (Section: A)	137
Table - 5.8	Packet Loss (in No. of packets) (Section: A)	138
Table - 5.9	Normalized Routing Load (Section: A)	139
Table - 5.10	General Network Simulation Parameters (Section: B)	140
Table - 5.11	Revised Values of DSDV Parameters	141
Table - 5.12	Throughput in Kbps (Section: B)	142
Table - 5.13	Packet delivery ratio in % (Section: B)	143
Table - 5.14	End to end delay in mille seconds (Section: B)	144
Table - 5.15	Packet loss (No. of Packets) (Section: B)	145
Table - 5.16	Normalized Routing Load (Section: B)	146
Table - 5.17	General simulation parameters (Section: C)	147
Table - 5.18	Revised attributes of OLSR parameters	148
Table - 5.19	Data sheet of different node densities	150
Table - 5.20	Data sheet of different node velocities	150
Table - 5.21	Data sheet of different node transmit power	151
Table - 6.1	Network parameters used in simulation	171
Table - 6.2	DSR parameters used in simulation	172
Table - 6.3	DSR data sheet	174