8. Conclusions and Future Work

8.1 Conclusions

A schematic experimental strategy is designed and demonstrated by considering few routing protocols like MAODV, ADMR, ODMR and PUMA. The methodology for comparing one protocol with another protocol has been demonstrated and it is established that MAODV is better than ADMR, PUMA is better than ODMR in tree and mesh based routing protocols respectively. Some Path Discovery Algorithms has been developed for discovering multiple alternative paths and grouping the discovered paths with a load distribution objective. These discovered paths are embedded in the identified better routing protocols under tree and mesh based routing protocols i.e. MAODV and PUMA respectively. This novel embedding approach for developing new protocols has been fine-tuned and named as Node Disjoint Split Multipath Multicast Ad hoc On-Demand Distance Vector (NDSM-MAODV) and Node Disjoint Split Multipath Protocol for Unified Multicasting through Announcements (NDSM-PUMA). Their performance has been demonstrated.
8.2 Future Work

One can consider other QoS parameters like overhead, jitter etc., and may be apt weighted averages for enhancing the performance of the developed algorithms. This may result in possible development of heuristic functions.

In future we can use the hybrid disjoint methods where the channels are not available and the topology is dynamically changing.