Abstract

This final assignment discussed about Quality of Service (Qos) in wireless LAN. The wireless architecture that is used is an ad hoc mode. Actually, IEEE 802.11e standard has support QoS by using EDCF scheme. But, EDCF still not optimal in maintaining the quality of its service, especially when the network is in high load. Therefore, two schemes are proposed to improve the lack of EDCF. After simulations, AEDCF and SEDCF show better performance than EDCF. And between AEDCF and SEDCF, SEDCF scheme shows better performance, especially in low priority AC. This is because SEDCF uses seasonal forecasting method in calculating Contention Window (CW).

Keyword : *wireless, adhoc, EDCF, AEDCF, SEDCF*