CHAPTER 6

Conclusions and Future Work

In this thesis, we present a IEEE 802.11e Markov Chain model which can be used to simulate QoS flows. This model considers different AIFSN and CW design of different AC flows in the same QSTA. After we get the relationship between connection number and delay, we use CAC, Token Bucket and Packet Drop mechanism to improve the delay time, packet drop rate and throughput. Finally, we validate the result on simulator Qualnet.

The major target in our proposal is the QoS guarantee from QSTA to BS. We focus on the VI (rtPS) traffics because the burstness affects the delay critical. The VO (UGS) traffics may be estimated correctly and can be improved further.