DE LA SALLE UNIVERSITY

IMPROVED CHANNEL UTILIZATION OF L-EXPRESSNET
BY A SIMPLE ADDITION OF A COUNTER AND A LINE
TO THE LEXA MODULE

In partial fulfillment
of the requirements for the Degree
Master of Engineering Education
Major in Electronic Communication Engineering

by

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ABSTRACT

In this thesis, an improved L-Expressnet is proposed supplementing a counter and a line.

This L-Expressnet is proposed to complement the shortcomings of the basic protocol which is used for the medium access in LAN. The comparison of the improved L-Expressnet in channel utilization viewpoint that of the Ethernet, Expressnet, and L-Expressnet clearly analyzed.

As a result showed that the channel utilization of the improved L-Expressnet is superior to that of the medium access control methods when the channel is increased.