

UNIVERSITI TEKNOLOGI MARA

**NETWORK MONITORING SUPPORT
SYSTEM (NMSS): PERFORMANCE
EVALUATION TOOLS AND TESTING**

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ABSTRACT

Network Monitoring Support System (NMSS) is all-inclusive applications has the capability to monitor and manage NCO network performance such as video conferencing and other network services. Typical components in network management systems are Network Monitoring System (NMS), Aset Management, Helpdesk System and Patch Management System.

This thesis demonstrates an evaluation of testing parameters used for Network Monitoring Support System (NMSS), with emphasis on testing bandwidth on-utilization of video conferencing to proof that the application is reliable in our organization. Results analysis were obtained from several network devices application on performance monitoring system implemented and tested in selected areas in Malaysia.

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CHAPTER ONE

INTRODUCTION

1.1 RESEARCH BACKGROUND

The network performance monitoring system has transformed into refine and complicated that has affected various aspect of our human life, and sometimes critical to our work experiences. Same like other network system; they have an internal function and control mechanisms that required constant attention and management. The analogy of this system for instance is our human body, in which are sensed by the nervous system and reported to the brain, which are processed the input and taken into appropriate action.[1]

In related of the system network, the 'Nerve System' is comprised of system networking devices, and the "brain" are comprised of system network and administration data framework. Actually, these are served to process and store data that can be utilized either specifically by other administration network applications, or answered to human chairmen for further investigation. Restricted or the other, these applications permit the system execution and observing to be changed with a specific end goal to prevent faults, enhance performance, avoid attack and so on. To the degree