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**TRAFFIC ANALYSIS FOR VIDEO STREAMING:  
A STUDY IN FTMSK**

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BACHELOR OF SCIENCE (Hons) IN DATA COMMUNICATION AND  
NETWORKING**

**THESIS SUBMITTED IN PARTIAL FULLFILLMENT OF THE  
REQUIREMENT FOR THE DEGREE OF BACHELOR OF SCIENCE**

**FACULTY OF INFORMATION TECHNOLOGY AND QUANTITATIVE  
SCIENCES  
MARA UNIVERSITY OF TECHNOLOGY  
SHAH ALAM**

**APRIL 2005**

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**2003285235**

**A project paper submitted to  
FACULTY OF INFORMATION TECHNOLOGY AND QUANTITATIVE  
SCIENCES  
MARA UNIVERSITY OF TECHNOLOGY**

**In partial fulfillment for the  
BACHELOR OF SCIENCE (Hons) IN DATA COMMUNICATION AND  
NETWORKING**

**Major Area: Network/Communication**

**Approved by the Examining Committee:**



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**APRIL 2005**

## **DECLARATION**

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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DIANA BINTI MOHD ALWI

## ACKNOWLEDGEMENT

All praises be to Allah S.W.T for all blesses and strength he has give me during the completion of this final year project. First of all I would like to take this opportunity to express my deepest gratitude to my parents for their tender love and constant support. Without them I would have no enthusiasm to go further.

A deep of gratitude is owed to my dearest supervisor whose provide inspiration and ideas besides her patience, understanding, assistance and for her constructive criticism throughout the development of this project.

A special gratitude to Prof. Madya Dr. Saadiah bt Yahya for the valuable guidance, support and encouragement through the progress of this project. Furthermore, special thanks dedicated to all lecturers in FTMSK who gave their full effort in providing knowledge and skills for their students.

Last but not least, I give my sincere thanks to my housemate, all my fellow friends and other individual that have contributed directly or indirectly towards the completion of this research.

## **ABSTRACT**

This research is all about the analysis of the network traffic flow in FTMSK in order to determine the rational implementing video streaming in FTMSK and also to determine the best video format that can accommodate with the traffic. The analysis was made on the network traffic at the main switch and router. In order to gather the data traffic, it requires the used of network analyzing tools such as Opmanager and PRTG Traffic Grapher 4.1.0.265 for Windows. These tools had been used to gather and analyze the data. Furthermore, there also software needed for streaming purpose such as streaming media players and streaming media encoders. As we know, video streaming need high speed of internet to increase throughput and take less time for streaming purpose. Therefore, by monitoring the network performance in FTMSK we can determine whether video streaming can be implemented and by using the best format of video.