

**A QOS EVALUATION OF THE TCP CONGESTION
CONTROL ALGORITHM**

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**A QoS EVALUATION OF THE TCP CONGESTION CONTROL
ALGORITHM**

**A Thesis submitted to Faculty of Information Technology in partial
fulfillment of the requirements for the degree Master
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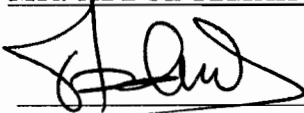
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CHAPTER ONE

INTRODUCTION

1. Introduction

The success of the current Internet relies to a large extent on cooperation between the users and network. The network signals its current state to the users by marking or dropping packets. The user then strives to maximize the sending rate without causing network congestion. To achieve this, the users implement a flow control algorithm that controls the rate at which data packets are sent into the Internet (Wang, et al., 2007). More specifically, the Transmission Control Protocol (TCP) is used by the users to adjust the sending rate in response to changing network conditions. In a network the computers communicate with the help of IP-address. In an organization the transmission of data has to be very much secured (Hayder, et al., 2008). The organizations may use Dynamic IP addressing (Mohd and Nurhayati, 2006), to reduce the conflict that occurs between the computers by giving them different IP address such that the data reaches to the destination (Mohamed and Chin, 2003). On the Dynamic network the IP address of the client machine keeps on changing. So, it's difficult that data packets reach the correct destination (Ramachandran and Nandi, 2005; (Johnson, 1998).

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