Utilization Enhancement of Network Infrastructure in University of Colombo

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The Dissertation was submitted to the Department of Civil Engineering of the University of Moratuwa in partial fulfillment of the requirement for the Degree of Master of Business Administration.

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Abstract

Sound project evaluation is a vital part of any project in any field specially in developing countries. Progress of the other on going projects and planned future projects depend on the success of the past projects.

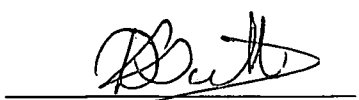
So it is very important to evaluate completed projects and to find out methods to enhance the utilization of resources of these projects. These methods will eventually help to make a distinct progress of the project and ultimately get project objectives achieved.

To keep pace with this it is necessary to conduct several surveys periodically after implementation of the project and apply those findings. Most of the projects implemented during last few decades specially with foreign aids have not succeeded or have not achieved their main objectives. In many cases, this part is ignored after the completion of the project. Project evaluation plays a vital role and it helps to move the project to its end point and achieve objectives. Success of the project depend on evaluating users requirements and finding solutions to their problems.

In this research project various aspects such as network performance users' requirements, how resources are utilized, how value added services can be introduced and what are the socio-economic problems remaining will be discussed.

Declaration

I certify that this dissertation does not contain any material previously submitted for a degree or diploma in any university to the best of my knowledge and I belief it does not contain any material previously submitted for a written or orally communicated by other person except where due reference was made on this.



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To the best of my knowledge the above particulars are correct

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List of Abbreviations

UOC	University of Colombo
UCSC	University of Colombo School of Computing
UGC	University Grant Commission
ADB	Asian Development Bank
CSC	Computer Services Center
ICT	Information Communication Technology
LEARN	Lanka Education And Research Network
NOC	Network Operating Center
IP	Internet Protocol
LAN	Local Area Network
VLAN	Virtual Local Area Network
RF	Radio Frequency
SIDA	Swedish International Development Agency
WAN	Wide Area Network
VPN	Virtual Private Network
UTP	Unshielded Twisted Pair
FDDI	Fiber Distributed Data Interface
FTP	File Transfer Protocol
VOIP	Voice Over Internet Protocol
MRTG	Multi Router Traffic Grapher
OTDR	Optical Time Domain Reflectometer

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