

Universiti Teknologi MARA

**IPTV Application System Development
And Traffic Analysis**

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ABSTRACT

The world of telecommunications continues to provide radical technologies. One of the new emerging technologies that become to be very popular on the Internet nowadays is the Internet Protocol Television (IPTV). These future multimedia services platforms allow the users to access a rich set of multimedia content over the Internet. This project was focusing on the development of the IPTV application system and traffic analysis. The IPTV application system was developed using the web based technology that involved other several technologies such as Active X, MySQL, Apache and PHP programming language. Besides providing live television streaming channel around the world, this IPTV system also provides many other features such as video on demand (VoD) and music on demand (MoD). This project also emphasized on the traffic analysis measurement. The focus of traffic analysis is to determine the throughput and CPU utilization consumed by IPTV services when it running its application services on the FastEthernet network environment. The analysis was done on FastEthernet network environment with three difference networks parameter setup. The user acceptance test was conducted to help in getting information towards the acceptance of the development of the IPTV application system.

TABLE OF CONTENT

NO	CONTENT	PAGE
	APPROVAL SHEET.....	ii
	CERTIFICATION OF ORIGINALITY.....	iii
	ACKNOWLEDGEMENT.....	iv
	ABSTRACT.....*	v
	TABLE OF CONTENT.....	vi
	LIST OF TABLES.....	x
	LIST OF FIGURES.....	xi
	LIST OF ABBREVIATIONS AND NOMENCLATURES.....	xiv
 CHAPTER 1: INTRODUCTION		
1.0	Background of the Problem.....	1
1.1	Problem Statement.....	2
1.2	Objectives.....	3
1.3	Scope Of Works.....	3
1.4	Significant Of Research.....	4
1.5	Summary.....	5
 CHAPTER 2: LITERATURE REVIEW		
2.0	Introduction.....	6
2.1	Downloading Performances.....	7
2.2	Quality And Performance.....	8
2.3	Technologies, Development Tools And Languages.....	8
2.3.1	Java.....	9
2.3.2	SQL.....	9
2.3.3	C++.....	9
2.3.4	ActiveX.....	9
2.3.5	JavaScript.....	10

2.4	Current IPTV Applications	10
2.4.1	TVU.....	10
2.4.2	SopCast	10
2.5	Related Project	11
2.6	Summary.....	16

CHAPTER 3: METHODOLOGY

3.0	Introduction	17
3.1	Project Environment.....	17
3.1.1	Software and Tools Requirements.....	17
3.1.2	Hardware Requirements	18
3.2	Project Organizations.....	20
3.3	T1: Project Planning and Feasibility Study.....	23
3.4	T2: Application System Analysis.....	24
3.5	T3: Construction and Development	25
3.6	T4: Integration and Testing	25
3.7	T5: Normal User Acceptance Test.....	25
3.8	T6: Traffic Analysis.....	26
3.8.1	Tools.....	27
3.8.2	Traffic Analysis Method.....	28
3.8.3	Experiment Measurement	29
3.9	T7: Document the Report.....	34
3.10	Summary.....	34

CHAPTER 4: CONSTRUCTION

4.0	System Requirement and System Flow.....	35
4.0.1	Presentation Layer: Users Module and User Interface.....	37
4.0.2	Application Layer.....	38
4.0.3	Server Layer.....	38
4.0.4	Database Layer.....	38