

TABLE OF CONTENTS

CHAPTER	PAGE
1. Introduction	1
1.1 Objectives	2
1.2 Company Background	3
1.3 The Education Industry	4
1.4 The Future	5
2. Impact Analysis	7
2.1 The Approach	7
2.2 Analysis	8
2.2.1 Threat of New Entrants	8
2.2.2 Threat of Product/Service Substitutes	8
2.2.3 Bargaining Power of Suppliers	9
2.2.4 Bargaining Power of Customers	9
2.2.5 Intensity of Rivalry Among Competitors	10
2.2.6 Government Legislation and Regulation	10
2.2.7 Global Factors	11
2.3 Industry Attractiveness	11
3. The Business	13
3.1 Overview	13
3.2 Academic and Administrative Process	14
3.2.1 Financial Aspect	14
3.2.1.1 Cost Measurement	14
3.2.1.2 Revenue Forecast	15
3.2.2 Human Resource Aspect	16
3.2.2.1 Human Resource Development	16
3.2.2.2 Human Resource Demand Forecast	16

CHAPTER	PAGE
3.2.3 Technological Aspect	17
3.2.3.1 Investment Protection	17
3.2.3.2 Enhancement of Productivity	18
3.2.3.3 Technology Demand Forecast	19
3.3 Outstanding Issues	19
4. Issues Impacting the Business	21
4.1 IS Development	21
4.1.1 Applications Development	21
4.1.2 Hardware Acquisition	22
4.2 IS Implementation	23
4.2.1 College Homepage	23
4.2.2 Mailing Lists	23
4.2.3 Responsibility	24
4.2.4 Access Control and Accountability	24
4.3 IS Equipment Management	25
4.3.1 Computer Virus	25
4.3.2 Software Licensing	26
4.3.3 Hardware Upgrades	27
4.3.4 Contingency Planning	27
4.4 IS Staffing Management	27
4.5 Management Challenges	29
5. Alternative Approaches	30
5.1 IS Development	30
5.1.1 Applications Development	30
5.1.1.1 Systems Life Cycle	30
5.1.1.2 Prototyping	31
5.1.1.3 Application Software Packages	32

CHAPTER**PAGE**

5.1.1.4	End-User Development	32
5.1.1.5	Outsourcing	33
5.1.2	Hardware Acquisition	34
5.1.2.1	Purchasing	34
5.1.2.2	Leasing	35
5.2	IS Implementation	35
5.2.1	College Homepage	35
5.2.1.1	Marketing Tool	35
5.2.1.2	Distance Learning through Content Management	36
5.2.2	Mailing Lists	37
5.2.2.1	The Traditional Way	37
5.2.2.2	The Internet Way	38
5.2.2.3	Privacy Rights	38
5.2.3	Responsibility	39
5.2.3.1	Types of Email	39
5.2.3.2	Individual Rights	39
5.2.4	Access Control and Accountability	40
5.2.4.1	Access Control	40
5.2.4.2	Convenience of Use	40
5.3	IS Equipment Management	41
5.3.1	Computer Virus	41
5.3.1.1	Safety Cards	41
5.3.1.2	Anti-virus Software	41
5.3.2	Software Licensing	41
5.3.2.1	Periodic Renewals	42
5.3.2.2	One-Off Purchases	42
5.3.3	Hardware Upgrades	43
5.3.3.1	Component Upgrades	43

CHAPTER	PAGE
5.3.3.2	New Purchases 43
5.3.4	Contingency Planning 43
5.3.4.1	Backups 44
5.3.4.2	Quick Replacements 44
5.4	IS Staffing Management 44
5.4.1	Recruitment and Retention 45
5.4.2	Motivation 45
5.5	The Next Step 45
6.	Recommended Policies 47
6.1	IS Development 47
6.1.1	Applications Development - Outsourcing 47
6.1.2	Hardware Acquisition - Leasing 48
6.2	IS Implementation 48
6.2.1	College Homepage - Distance Learning through Content Management 48
6.2.2	Mailing Lists - Privacy Rights 49
6.2.3	Responsibility - Individual Rights 49
6.2.4	Access Control and Accountability - Access Control 50
6.3	IS Equipment Management 51
6.3.1	Computer Virus - Anti-virus Software 51
6.3.2	Software Licensing – Periodic Renewals, One-Off Purchases 51
6.3.3	Hardware Upgrades – Lease, Purchase, Cascade 51
6.3.4	Contingency Planning - Backups, Quick Replacements 52
6.4	IS Staffing Management – Recruitment, Motivation, Retention 52
6.5	Summary 54

CHAPTER	PAGE
7. Conclusion	55
7.1 The Challenges	55
7.2 The Response	59
7.3 The Benefits	60
Appendix 1 Proposed IT Policy	
References	