

Computing for Human Services

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Electrical and Computer Engineering-IIUM University

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Chapter 4

Eliminating Internet Weakness in Education

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4.1. Introduction

The chapter is a continuation part of the previous one. It shows that ethical, moral, religious and social values have essential effects on the education process in any organization or society. Internet, wireless, mobility, database and multimedia are an important ICT technology tools that are used in education. Internet has an important role in education. Internet also suffers from weaknesses and harmful impacts. This chapter is an analytical study of a survey done in this regard. It focuses on the main ethical and social harmful data factors that affect internet users in educational institutes, the ways of getting such harmful data, and the user's satisfaction with filtration of harmful data. To solve the problem, this chapter proposes an Intelligent Data Filtration (IDF) tool. It is a data mining or firewall supporting tool, which has the ability to filter weakness or harmful data according to rules and regulations related to religious, ethical, cultural, and social concerns. Implementing this tool will lead to improvement in internet usage and performance in education.

4.2. Survey Result of Harmful and Unwanted Data in Internet

The previous chapter is related to internet role in education process. Based on investigation of several literatures [1-14] and the analytical study that was mainly explained in chapter 3; we can summarize it as: introducing the importance of internet in education, extracting weaknesses and drawbacks of internet that affects education process and users, and finalizing the steps toward improving internet usage in education. This section introduces a survey study on internet impacts on different categories of users in higher education environment. It reflected sample of the theoretical aspects that we discussed in the previous chapter. To study the impact of anti (ethical, moral, or social) harmful data on internet stakeholders in higher education; we select sample of Internet users consisting of several subsamples selected randomly (students, academic staffs & non-academic staffs) from several Malaysian higher education institutions including IIUM. The internet users represent different nations, races, cultures, genders, experiences, ages and qualifications. This variety makes the selected sample of internet users more representing to the population under study. From many hundreds of survey forms distributed, we get response of 180 users (122 male and other females). The sample includes 156 students and 24 non