RESEARCH ON STUDENTS' EMOTION AND BEHAVIOR IN ONLINE LEARNING

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"In the name of Allah, the Most Gracious and the Most Merciful, Peace be upon the Holy Prophet, Muhammad S.A.W."

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ABSTRACT

Education lifestyle is moving and changing with the technologies from the traditional learning to online learning. There are many research conducted in this area. However, there is still lack of research that study both the students' emotion and behavior in online learning and it affects towards students' engagement in the online learning course. The objectives of this research is to identify student's emotion in online learning course, to capture student's behavior in online learning course that in this research focus on online database course specimen and to identify the relationship between student's emotion and behavior in online learning and it affects to student's engagement in online database course. To achieve this several experiment and survey conducted in order to validate both the emotional and behavior condition of the students. Kansei Engineering technique is used in this research to achieve the emotions words. The emotions words from the Kansei Engineering technique is than reduced to 30 words by making a comparisons with the Russell's 'Circumplex Model of Affect' and together with the Kort's 'Four Quadrant Model'. A web analysis tool using Clicky Analytics is used in this research to achieve the second objectives. The findings from the log records and the emotion survey are than further used to accomplish the third objectives. The results of the experiment and survey conducted shows that there are a relationship between emotion and behavior towards students' engagement in database course. The findings can help designers to gain extra knowledge in designing or developing the online course and to assist educators to make wise decisions in designing the online course to tailor with the teaching methods and processes.

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CHAPTER 1

INTRODUCTION

1.1   Background

In this century, various technologies and gadgets exists in order to help improve human way of life. All this technologies invented to help us to be more efficient and effective in doing our daily task and activity.

The learning process is also facing remarkable changes from the classroom learner and face-to-face environment or traditional learning to the virtual environment that use the web and internet as the medium of learning. This online learning provides a better way of learning regardless the distance and time of the learners and the instructors.

There are many researched performed to support students and extend their potential in online learning. However, still not many have considered the emotional aspect in designing the courses in the virtual environment. Besides, different person have different preference in learning style. Therefore, in order to improve the learning process we should conduct a research on emotional and behavioral aspect of the students in the online learning application.

According to Macfadyen and Dawson (2010), "Instructors in new world of higher learning critically in need of new tools and strategies that will allow them to quickly identify at risk students and devise ways of supporting their learning." Therefore, an excellent online learning system can be helpful to all type of student regardless either they are the excellent students, mediums, or the poor one as an alternative solution to increase and improve their learning ability.