Multimedia Package For Learning English Based On Learners’ Profile

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auditory and visual. Due to the mismatch of the learning styles will affect the learners’ performance. The learners will denote to be a passive learners instead of active learners in their learning process and development.

2.0 PROBLEM STATEMENTS

The problem statements of this research are:

1. There is a gap between the levels of the cognitive amongst students and due to this, difficulty to make sure the teaching and learning methods are best for all the students in a classroom.

2. There is irrelevant apparatus that will fulfilled all the types of learning styles at one time.

3. Difficulty in applying diversity of methods and approaches in the same class with different learning styles amongst the students.

2.1 PROBLEM STATEMENTS IN TEACHING & LEARNING

Diagnosis the Learning Style
Importance of English
Methods / Approaches of Presentation based on Learning Style

Figure 1. The Model of Problem Statements

3.0 RESEARCH CONCEPTUAL FRAMEWORK

Research Conceptual Framework consists of three (3) phases including the process of preliminary analysis, design & development and implementation & evaluation. The first phase is the process to determines the problem statements of the current issues regarding the English syllabus that been taught in school. There are also a series of interviews been conducted with the English teachers in order to determines what are the topics and skills that are tough for the students in their process of learning.

The second phase basically involved with clarifying the analysis needs, designing the Development Model and ID Model based on the preliminary analysis report that have been done during the first phase.

The third phase is the evaluation stage where a few of questionnaire sets and checklists have been distributed amongst the sample and non-sample group. The data also been analyzed and evaluated using the Fuzzy Logic and Neural Network approach to gain the approximate data.

4.0 RESEARCH OBJECTIVES

1. Designed one methodology of multimedia package development based on the integrated ISD model and SDLC Model, called as “Individual Learners’ Profile Life Cycle”.

Figure 2. The Research Conceptual Framework
2. Identified the characteristics of learning styles based on modality preferences such as visual, auditory and kinesthetic learners.

3. Prepared a multimedia package based on learners’ profile.

4. Prepared a module of System Diagnostic that is able to identify the learners’ profile for the purposes of reinforcement in multimedia package.

5. Built a research instrument to test the advantages and disadvantages in multimedia package using Fuzzy Logic and Neural Network approaches.

5.0 RESEARCH CONTRIBUTIONS

There are nine (9) research contributions of this project which are:

1. This project has produced one “Individual Learners’ Profile Life Cycle”.
2. The development of multimedia package based on Learners’ Profile.
3. Based on research’s findings, there are three (3) types of Learning Styles/ preferred modality included visual, auditory and kinesthetic.
4. The development and design Model ID through surrounding navigation.
5. The development of multimedia package prototype.
6. The development of Diagnostic System and Learners’ Profile.
7. The evaluation using Fuzzy Logic and Neural Network approach.
8. The design and development of the Questionnaires for multimedia package evaluation.

6.0 CONCLUSION

The determination of the suitable approaches in the teaching and learning process is important besides to put the account of others factors such as learning style modalities and learning environment. According (Bedford; 2006), the main factor that should be adapted in the application of the learning style of the students is to identify clearly the preferred modality of learners’ profile of the students. Due to that, an appropriate multimedia package can be developed to facilitating the positive self esteem amongst the students and more than that is to develop a lifelong enthusiasm in the learning process of the students.

REFERENCES


