

Universiti Teknologi MARA

**E-content Development for Visual
Learners**

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ABSTRACT

Currently, IT Project Management (ITS 510) subject is taught by using textbook and Powerpoint slides. Due to ineffectiveness of teaching materials, this scenario becomes one of the reason that affects the students' result. Therefore, this E-learning is developed specifically for Visual Learners to attract their attention in class. To fulfill this project, few objectives are highlighted which are 1) To identify the user requirements of visual learners for E-content, 2) To design an E-content software for visual learners and 3) To develop an E-content software for visual learners. Methodology that has been selected to complete this project is based on the ADDIE Model. ADDIE Model consists of Analysis, Design, Development, Implementation and Evaluation phases. The questionnaires were distributed to get the requirement from visual learner users. This requirement helped in designing and developing the E-content. The researcher compared the results from requirement analysis and development analysis to ensure that the objective of this project is fulfilled and the problem of visual learners is solved. At the end, it gives a lot of benefits to learners where they can access the content everywhere and anytime without time restrictions. For educators, the E-content can help them to improve their teaching styles. Lecturer can use this E-content as an aided tool to teach students in class. This E-content is also easy to be updated by the lecturer. Finally, future suggestion to enhance the E-content is also stated.

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CHAPTER 1

INTRODUCTION

1.1 Project Background

This project is about development of E-content for the students in Faculty of Computer and Mathematical Sciences (FSKM). In FSKM, some syllabuses are taught by lecturers by using simple powerpoint slides for example is IT Project Management (ITS510) subject. The syllabus of this subject is compact with word and according to interview, the visual learners' students said that they lose their interest to learn. Due to the ineffectiveness of teaching materials, therefore the E-content is introduced. This E-content has covered on chapter 4 in ITS510 subject that is The Project Team. In this E-content, the word has been minimized. In order to make this E-content more attractive for the student, the multimedia element such as picture, illustration or chart have been included to attract the visual learners to learn in an interesting environment.

According to Montemayor (2009), there are the learners who learn best by seeing and learn best from visual displays. These are visual learners. Visual learner is a type of learner who learns best at collecting information with their eyes. Visual learners usually prefer diagrams, illustrated textbook, graphics, images, illustrations and charts because they are able to remember details and ideas in pictorial form.