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RATCHANEKORN TUPCHAI : DEVELOPMENT OF ACTIVITY BASED LEARNING SYSTEM : A CASE STUDY OF AGGRESSIVE BEHAVIOUR REDUCTION FOR LEVEL 2 STUDENT. INDEPENDENT STUDY ADVISOR : ASST. PROF. PANJAI TANTATSANAWONG,Ph.D. 91 pp.

At present, changing a student's aggressive behavior has become every teacher's responsibilities. Therefore, to enhance teaching quality as well as to change such aggressive behavior, the researcher has implemented e-Learning by using program Moodle which is a learning management system. This program comprises of service provider programs using hardware and software which include Apache web server, PHP language, and MySQL as a database. Moreover, the system has been developed using PHP to be incorporated in the system. However, the researcher has adopted System Development Life Cycle or SDLC which consists of 5 working processes which are: 1) Project planning 2) Analysis 3) Design 4) Development and 5) Maintenance. These processes will enhance the system's efficiency. This system's users will be divided into 3 groups which are students, teachers, and system administrators. The functions of this system are 1) adding/deleting/editing activity, 2) Strengths and Difficulties Questionnaire: SDQ Evaluation Form creation which assess a student's aggressive behavior from the Department of Mental Health, 3) SDQ Evaluation Form's assessment, scoring the activity, 4) reporting the activity's score, answering a quiz from the activity, and 5) keeping record of all functions, 6) question and answer activities and 7) job recording. The SDQ is the assessment score which will be the indicator of what activity to be assigned to each student. By developing the activity-based learning system, after checking through the second graders level change in their aggressive behavior results. The researcher found that the average SDQ evaluation score before the activity is 16.20 whereas the average score after completing the activity is 12.80. When comparing to the analysis criterion which suggests aggressive behavior scoring below 15 as normal behavior, it can be concluded that this newly-developed system can change in the second graders level.

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