APPLICATION OF FUZZY COGNITIVE MAP IN (AJEL) ACTIVE, JOYFUL, EFFECTIVE LEARNING FOR PRIMARY LEVEL STUDENTS

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ABSTRACT

Fuzzy Cognitive Maps are fuzzy structures that strongly resemble neural networks and they have powerful effect as a mathematical tool for modeling complex systems. FCM combines the robust properties of fuzzy logic and neural networks. In the past, there has been a lot of development in the curriculum and in learning strategies like Actively Based Learning for the Primary School Students for effective, stress free learning. Teachers have the great responsibility of sharing their knowledge in journey of each child's life, as facilitator guide. Strategies need to be adopted to make the environment positively, delightful, building an emotional balance in children to learn freely and joyfully. Childhood is the most important phase of one's life to prepare a proper foundation filled with rich experiences and opportunities for achieving the purpose of learning and sense of well being. So active, joyful and effective learning is possible by the whole hearted effort of the teachers through gentle approach and understanding. This study is to analyze and prioritize various factors that will enhance AJEL in the classroom.FCM is a tool for formalizing understandings of conceptual and causal relationship. Since crisp logic cannot accurately represent human understanding we use fuzzy logic to represent truth values on a continuous scale from 0 to 1, providing mathematical methods for representing concepts and causalities that are true to some degree.

KEYWORDS: *FCM, Fuzzy Logic, ABL, AJEL*