## Fuzzy Logic a Prospective Tool of Learning Assessment

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## Abstract

Even though every knows what the meaning of learning is, it is very difficult to give

A satisfactory definition of this notation. Sas many things connected to real word, the concept of learning is too diverse and complicated to be framed within some quantitative model. There are some impressive efforts to describe and even formalize the learning process, but there is no way to achieve the complete account of it. By evaluating our students' work on an on-going basis, We assess their knowledge of the subject by assessing grades or pass-non-pass options. But how many times do we have some doubt about adequateness of our assessment ? How many times do we need to adjust our judgments based on different real-life situations? Do we always feel right when giving our student grade B instead of C or A? What about A- or B+? On can answer by pointing out that everything depends on the correctly organized set of criteria. But this is the real world, not an abstract mathematical model, and we are just human being with people , not abstract terms . So, we, as students, could just be making mistakes. How do we reduce the impact of these natural errors? First, we need to recognize that it is very possible to have a wrong impact impression about student's performance and try to develop some effective tools of assessment of learning under uncertain conditions. Since not only the process of learning but almost all real-life processes have this fuzzy nature, we can just look around for the implementation of some already existing tools from different human activity areas, proven to be effective in such Fuzzy situations.

In 1965 L.A> Zadeh Introduced the ideas of so-called Fuzzy Logic as a prospective tool in the control theory for solving some engineering problems that could not be solved with the regular mathematics tools because of their very complicated nature. I will explain in my paper the main distinction of different fuzzy Logic from the conventional Boolean logic and their different applications.

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