STUDY OF INTER-RELATIONAL FEELINGS BETWEEN AIDS PATIENTS AND PUBLIC USING FUZZY THEORY

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In this paper we study the feelings, a AIDS patient holds towards the public and the feelings which the public holds towards the AIDS patients using Fuzzy theory in general and Fuzzy Cognitive Map and Bi-directional Associative Memories in particular. Fuzzy theory is the best tool to study the feelings of a person or persons regarding any inter-relation with others. When we say feelings we divide them into two distinct ones:

1. The psychological fears like dislike, contempt, social stigma while a AIDS patient interacts with members of the public and when he is in their company.

2. The untold hurt and miserable feelings of a AIDS patient when people around him know that he is infected person with AIDS/HIV and the internal problems he faces with his conscience.

We use Fuzzy Cognitive Map as the first step by taking a few experts opinion to obtain the hidden pattern about the feelings. In the second stage we approach the problems using Bidirectional
Associative Memories and by this we can know from the dynamical system the effect of a patient on the public and the public on the patient. We derive our conclusions from this study.