

Research Proposal

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Area of Interest: Fuzzy Logic

Motivation:

The idea behind my area of interest is that rather than crisp sets, fuzzy sets & fuzzy logic plays a major role in our day-to-day activities. It plays a vital role in decision making, operating system of many equipments. The major difference between crisp set & fuzzy set that also made fuzzy set to be a part of our daily system is that its degree of belongingness to a particular attribute. This beautiful idea of fuzzy inspired me to make research on fuzzy logic.

Applications:

The idea behind the working of washing machine, spectrum colours representation, the dense of clouds, cluster making, medical field where the degree of existence of certain disease is measured using fuzzy logic as its base. Like this, fuzzy is widely spread all over the universe. This motivated me to take up my research on fuzzy logic.