· "Soft computing is an emerging approach to computing which parallel the remarkable ability of the human mind to reason & learn in a environment of uncertainty & imprecision" - Zadeh

Constituents of Soft Computing;

• The Soft Computing consists of several computing paradigms mainly: Fuzzy Systems, Neural Networks and Genetic Algorithms.

Fuzzy set: For knowledge representation via fuzzy

Neural Networks: For learning & adaptation

Genetic Algorithms: Fox evolutionary computation

- synergic effect; that is, hybridization creates a situation where different entities cooperate advantageously for a final outcome.
- In principal the constituent methodologies in Soft.

 Computing are complementary rather than competitive.
- The fuzzy set theory is an extension of classical set theory where elements have degrees of membership.
- Neural Computing is an information processing paradigm, inspired by biological system, composed of a large number of highly interconnected processing elements (neurons) working in unison to solve specific problems.



	Genetic Algorithms simulate the survival of the fittest, among individuals over consecutive generation for solving a problem. Each generation contisists of a population of character strings that are analogous to the chromosome in our DNA DNA contains the genetic instructions used in the development & Functioning of all known living organisms
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