Reg 18/27 No: 1831017

course code: 15MSS51

course the: computational Intelligence

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56.6(if) components of fuzzy controlled

runders and fuzzy controller will compute only the suntence ruther than the equation.

The first application was introduced is steam engine by

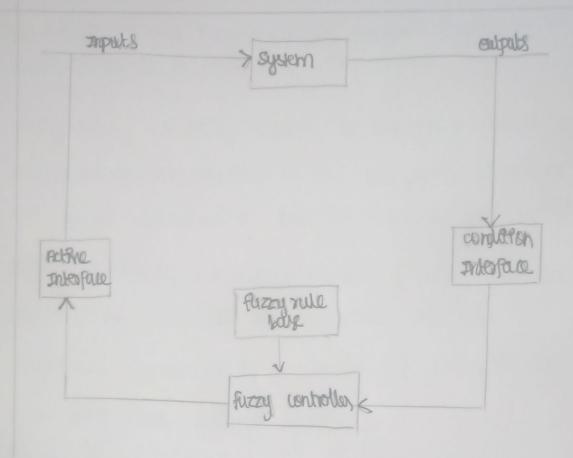
Amdan? and outsiden 1976.

Fuzzy controller is used in Just consumer porodults and Industrial process.

eg: Air conditioner, cement kilns, nyduo electrical enougy.

Fuzzy controller has nearly 5 components they are

- 1) Active interface
- a) Fuzzy rule base
- 3) Puzzy controller
- 4) condition interface
- 5) Eystem



Fuzzy Rule base:

human knowledge and experience. These such on the control strategy. These such obtrained from human experts and knowledge of evolutionary algorithm and neural network.

condition Interface: The puzzition socienes the actual subject of the cystem, and interreturn the non-tuzzy sets into corresponding puzzy sets.

Activation Interface: The author interface defuzzition the outcome of Interence engine to produce a non-fuzzy set into fuzzy set.

Interence engine: The Intocence engine portoren interencing upon fuzzibiled inputs to provide a fuzzy output.

Endutronary computing minics the natural enolution:

Endutronary computation is the barnity of organizations

Ary global optimization inspired by unological enolution

In enolutionary computing a initial set of conditate

Solution is generated and iteratively updated.

Each new generation is produced by stochastically

remarking was despect solutions.

Enalutionary computation techniques can produce a highly optimized solution in a wide stange of problem settings, make them popular in computer science.

Endutronary biology as on in solice experimental procedure to study common aspect of openeral endutron process.

Endution any automora a generalization of endutrionary twing machine house been introduced

In order to innertigate more precisely properties of biological and enduli crary computation

endutherary is natural endution because the each newton in the Enduli chary computing one interconnected where the natural endulistry are each generation in the newton.