



# Reasoning and Knowledge Representation

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*Mini project phase1*

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Air conditioner system

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## Project idea

We need to implement a fuzzy Inference System and taking decision in shape of out put get it by end of implementation.

We need from this model is to provide a output from 2 options input that are humidity and temperature,

The output will depend on a set of rules to pick if it has to warm up or cool the room, the rules are:

1. A set of temperature states:

Hottest	Hot	Warm	Cold	Coldest
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2. As well as a set of humidity values:

Low	Optimal	High
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