

## ASSIGNMENT 8 - IIT2016039

### Problem Statement 1:

1. Study and solve Fuzzy expert system for assessing home mortgage applications

link: (<https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnxnY25hbmRpfGd4OjMxZjAxODkxNTZlMWNmYjU>)

### Procedure:

- We used matlab fuzzy toolkit and implemented as mentioned in the pdf

### Problem Statement 2:

2. Design a fuzzy expert system for getting guidance for University Acceptance/Admission possibility with minimum three inputs

### Procedure:

- We used matlab fuzzy toolkit and implemented as mentioned in the pdf
- We took three inputs as CGPA, GRE score, IETLS score and the output is the probability Very Low, Low, Medium, High, Very High.

### Problem Statement 3:

3. Practice Fuzzy addition and function evaluation.

### Procedure:

- Practiced and implemented fuzzy addition and function evaluation.