AIM :

The aim of implementing fuzzy logic for edge detection is to enhance the robustness and accuracy.

PROCEDURE :

1. Open Matlab & set up environment
2. Import & Convert image to Grey scale
3. Convert Image to double-precision data.
4. Obtain image gradient.
5. Define fuzzy inference System (FIS)
   - Define Membership functions & add output.
6. Specify FIS rules.
7. Evaluate FIS & edge detection
8. Plot Original Grayscale images & detected edges.

RESULT:

The program was successfully executed & output is verified.