Date:
Ex. No 14 fax by Logic - Image Processing
Alma
Aim: implement ferzzeg Logic-Image processing
thement fuzza Logic - Image processing
lode
improst the image
I rgh = Im road ('peppers-prg'):
Trab is a 38 bx
19 ray = 79b 2 gray (179b)
7-91000
image (19ray, "Chala mapping; 'Scaled')
Colormap ('gray')
Colormap ('gray') title ('Input Image in Grayscale')
1. The state of th
1 = 1m2 double (1gray);
$C_1 \times = [-11\overline{J};$
Course (p.v.)
1 y = Conv2 (1; Gx, 'Same');
1 y = Conv2 (1, Gy, 'Same');
Image (1x, 'CD ataMapping', Scaled') Lolo map ('gray') title ('1x')
Image (1x, "Dala Mapping, Scaled)
colormap ('gray')
title ('Ix')

Image (1 y 1 ChataHapping; Scaled!);
Color map ('gray!)
title (1y) edgefis = mamfis ('Nano', edgestection'); edgesfis = add Input (edgesfis, P-11], Name', 'Ix'); edgesfis = add Input (edgesfis, P-11), Name', 'Iy'); Sx = 0.13 Cx = 0.1; codgesfis = addrup (edges fis, 1/x, gaussmf, (3x 0), herein wa = 0.1; wb =1; Localine. 10 a = 0; pp-0: i Fine da

edgets = addHF (edgesfis, 'put', 'trimf', Elba wb wc), Name; white');

Blub plot (2,2,1)
Plot mf (edgetis, 'input', 1)
title ('Ix')

Subplot (2,2,2)

plotent (edgets, 'input', 2)

title ('iy')

Subplot (2:2, (34))
Plot mf (edgestis, 'output', 1)
tyle ('lout')

71="17/X Zero"

77 = "If Ix anot zero odges (edges (r1 727);

edget is rules array with properties