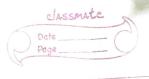
a picel	balongs to an edge or chil	tit
Import Gray Scal	ROP Image and convert to	image co
Import 1	AGB the image im read [of peppers, pro.	edge
1 rgb is	a 284 NGL R3 int 8 array.	gray ee
coork coits	LROB to gray scale so that you a 2-0 array instead of	
3D array	- ryb) gray (Iryb)	
figure		
Image (9 ra	ey, C Duta Mapping Scale) (gray nout image is gray scale)	
	meye to double presion and	
Cra:/	L-117; Crx';	



I Y = conv2 (I Gy, same) Image (Ix, chat Mapping, Scaled) Colorman (Gray) title ('IX')

image ('Y, 'C Duta Mapping, (Scaled') Color map ('gray)

edge FIS = mains ('Norma', 'edge Detection)
edge FIS = add Input Cedge FIS, [1]1], Normas,
Sx = 0.1 X7=0.1

edge FIS = add Output (edge FIS, LO, 17, 'name', 'Out).

Wb=1;

ba = 0; bb :0;

bc= 0.7;

edge FLS = add MF (edge FLS, 'Jout, Print;

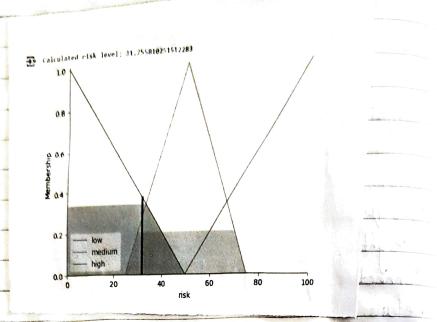
[wawbwc], 'Namo', 'While']

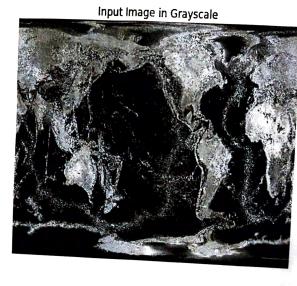
edge FIS = add MF (edge FIS, 'Dout' (trimt', Lbabbbc J, Nource, 'black'

Plot the manberthip of Inputs Supplet (2,2,1) P plat mt (edge FLS, input 1) Liel In) Subplot (2,2,2) Plot mt (edge Fls, input) like (I) Subplot (2,2, 134] Plot mt (edg As, Output,1) Little ('Lout') 0.5 White Specify fly take YI = "If I are zero and 14 is zero than Lout is White. It In 15 not Reso and 17 is not zero then I out is balack";

edge Fis. add rubledge Fis, [7, 70]; edge fls somes are . The tis onle was low is rule away will properties Description Antiadant Consequent Description 1. " |x = = Zero SS | y = = Zero => lock = White(1) 2- "la = Zero / S/> " = Zero => lout = black(1)" Evaluate Fls 1 x and 1 y as ipputs local = Zeros (Sizas (1)), Dos ii = 1: Size (1,1) · level (ii, i) = waltsledge Fls, Lla(ii,:)):(1)/iii) Plot the Original gray scale image irrage (1, 1 1 Data mapping, sur Colors map ('Gray') title ('Original Gray Scale image')

Output: Output:







Hence we implemented the image processing technique using fine

Result: