

## Face Detection using Gabor-Feature Extraction and Neural Networks

Version : 4.1

1- Extract All files in Work folder under Matlab

2- In order to run the program you must have Image Processing and Neural Networks Toolboxes

3- Type main in the command window

For the first time , The program automatically create

A) Feed-Forward Network (net.mat about 3.5MB)

B) Image Database (imgdb.mat about 11MB)

C) Gabor Filters (gabor.mat about .5MB)

4- Click on "Train Network" from the menu

5- Click on "Image Scanning" from the menu

6- Select a file for example 'im1.jpg'

The program can only detect faces about [27 18] pixels in the photo  
, if detect any

Best Wishes,

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