



**Pattern Recognition CS 4044/ CS 25311**

Assignment 1

*Submit your .mat and document file. Please include name, roll no in your submission. Assignments must be done **INDIVIDUALLY** and must be submitted on or before 25<sup>th</sup> May'19. There are 20 marks allotted for evaluation of this assignment.*

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Design a pattern recognition system to distinguish features classes for the followings (any one):

- a) Face Recognition
- b) Hand Gesture recognition
- c) Finger Print Recognition

Download standard training and testing datasets of (a), (b) and (c) from the internet. Also mention the citation of datasets.

Implement any recent feature extraction approach relevant to your data.

Apply any classification algorithm for distinguishing the features and check the accuracy.

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