Face Detection

False

Generate histogram

Compare Features

LBPH algorithm

Upload test image

Cascade classifier

Detect face

Upload Har like features

Upload image

Input student details

Recognise face

Save to dictionary

Train Data

Adaboost

Multiscale

Fill attendance

Har cascade Algthm

Grey scale image

True

Face Detection

True

False

exit

Generate histogram

Generate decimal number

Local binary pattern

Compare pixel with centre

Generate histogram

Compare histogram

Find best match

Recognise Face

Return personal label

Capture image

Capture image

Face Detection

Detect Face

Cascade of classifier

Adaboost

Integral Image

Extract face

Capture image