PAPER: Indian Classical Dance Mudra Classification using HOG Jeatures and SVM Classifier

The Indian classical dances have been part of the India's culture from around 200 BC. But the digital understanding of Indian classical dance is a least studied work. The paper explored the mudras in various dance forms of India. The various images of hand mudras were collected from the internet and a database was populated for the task. Histogram of oriented (HOG) features of hand mudras input the classifies. Support Nector Machine (SUM)
classifies the HOG features into mudres as teset messages. The experiment involved only This is because they are the basic structures For formation of any dance. Twe feature vectors and their combination were used to extract features from the mudras.

The work is closely related to the project 'Mudra Identification'. The project too aims to resignize hand mudras from different classical dance forms of India. Here, a video is considered rather than images of dance forms. The idea of histogram of oriented (HoG) features thand mudras can be exploited in the right manner for the project. The SVM classifier is a great choice for classification problems like the identification of hand mudras