

Artificial Neural Network Based Identification and Classification of Images of Bharatanatya Gestures.

Mudra is an expressive form of gesture that is mainly used in Indian classical dance form where the gesture is in visual form so as to connect with the audience. Different positions of body parts make an expressive and meaningful mudra which can be both static and dynamic. Here identifying the hand gesture/mudra using image-processing and also pattern Recognition methods. An attempt in computer aided recognition of Bharatanatya mudras is made using Image Classification and processing techniques using Artificial Neural Network.

The activities define the process in which the static recognition of gesture is carried out on image capture, Pre-process, Feature extraction, classifying. This project presents an ideal approach to represent the classification and recognition of different of the Bharatanatya dance form.