Summary Paper1

# Image Processing for snake identification based on bite using local Binary Pattern & Support Vector Machine method

Snakes are one of dangerous reptiles. In general, ordinary people with snake bite patterns will panic & do not know what to do for first aid if they are bitten by snake. It is difficult to identify snakes by observing visual features directly. So in this system that is "Snake classification from Images" that helps to process images to identify these problems. The system built demonstrates the use of taxonomic features in the classification of snakes with the nearest neighbour classification, the system uses a snake image database and is converted to extract the taxonomic base features of snakes. The method used is LBP (Local Binary Pattern for feature extraction & uses SVM (Support Vector Machines classification method. Input to the system is an image with 'JPG' format measuring 96x96 pixels with a picture of someone who has bitten by a snake & the image has been cropped on the wound area. In this system only classifies venomous & non venomous snakes without knowing the type of snake

In our system we intend to implement system that could identify the type of snake. In this paper the classification of snakes whether it is venomous or non venomous is done using LBP and SVM. & it helps our project to get an idea to understand the portion of image classification using LBP & SVM for snake identification