LITERATURE STUDY - PAPER-1

Paper name: A Development of Snake Bite Identification System (N'viteR) using NEURO-GA

This paper is one where snake bite identification system is developed to differentiate snake using NEURO-GA technique. Based on the multiple sample cases it has high accuracy in identifying the snake.

N'viteR is the architecture used The input will be processed based on weight initialised by GA. From training the MSE of each chromosome is considered & chosen, The chosen chromosome is mutated & crossovered

Based on this paper, it shows the epoch 4000 give high accuracy with No. of gen = 4 ~~N~~ No of pop = 6. No of chromosome = 528.

Learning rate = momentum rate = 0.99.

Even though BPNN is best known method to deal with classification problems through learning process, a combination with GA yields a high accuracy to identify a venomous & non-venomous snake based on ~~those~~ cases provided.

This hybrid technique may give higher accuracy if it involves large number of data, generation & populations even it will take a longer time to finish training process.

This paper is closely related to our project which is a close combination of the same ie, Snake bite Identification & Detection with Snakebite Mark using Machine learning approach.
In this system Snake bite is just plainly understanding the ~~image~~ bite but in our project we are utilizing one of the major blooming fields of Machine learny which is Image Processing. So, we get a clear understandy of various types of work done in same field.