Abstract

Music genres are categorical labels that have been created by human to descript musik based on common characterictic between songs. Musik genres usually used to classify songs on the Web. By the increasing amount of songs, human faces problem to classify the songs. So, required system that can classify the songs based on music genre.

In this Final Assignment, the system was created using Cascade Correlation Neuron Network to classify songs based on music genre. Cascade Correlation is one of Supervised Learning Artificial Neuron Network (ANN) that has ability to classify things with new algorithm to build its own architecture. Cascade Correlation begins with a network that only consist of input units that are connected with output unit then trained and add one by one hidden unit to the network automatically. By the unique of its algorithm to build the architecture, Cascade Correlation can classify the songs based on music genre with accuration 97,33% for the train set and 94 % for the test set.

Key word : genre, music, cascade, correlation, ANN, classify.