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# Web Based Training Environment in Artificial Neural Network

Susmita Das*, Sankha Subhra Debnath

Techno College of Engineering Agartala, Maheshkhala, Tripura, India

*Corresponding author

## Abstract

**Background**: Artificial Neural Networks is inspired by the human brain it's can be used for machine learning and artificialneural network is to some extent modeled on the structure of the biological brain. An artificial neural network is provided by the inventor of one of the first neuron computers, Dr. Robert Hecht Nielsen the artificial neural networks is afunction imitation of simplified modal of the biological neurons and their goal is to construct useful computers for real world problems.

**Objective**: Artificial neural network not magic, but design based on solid mathematical methods. Neural networks better than computer for processing of sensorial data such as signal processing of sensorial data such assignal processing, image processing, pattern recognition, robot control, non-linear modeling and prediction. Practical approach for using artificial neural networks in various technical, organizational and economic applications.

**Methodology**: Artificial neural networks consist of a large number of independent computational units that are able to influence the computations of each other. A neural has several inputs, and one output. The output from a neuron is calculated as a function of a weighted sum of the inputs several neurons can be connected thus forming a neural network. simple neural networks of the kind used here (feed forward networks) are closely related to the weight matrix method (von Heijne1986) the two main difference being that the weights in neural networks are found by training rather that statistical analysis, and that neural networks are able to solve non-linear classification problem by introducing a layerof" hidden neurons" between input and output

**Result and discussion: -**The structure of the neural networks to compare different algorithms of neural networks training the two algorithms of trainer and trainablehave been used. In each algorithm, seven activating functions have been used

**Future Work**: The computing world has a lot to gain from neural networks. Their ability to learn by example marks them very flexible and powerful. They are also very well suited for real time systems becomes of their fast response and computational times which are due to their parallel architecture.