**Abstract**

An artificial neural network is an information processing paradigm that is inspired by the way biological nervous system, such as the brain, process information. The key element of this paradigm is the novel structure of the information processing system. It is composed of large number of highly interconnected processing elements "neurons"; working in unison to solve specific problems. ANN, like people, learns by example. An ANN is configured for a specific application, such as pattern recognition or data classification, through a learning process. Learning in biological system involves adjustments to the synaptic connections that exist between the neurons. This is true of ANN as well.

**References**

Neural Network Vs Human Brains

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Index Terms

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Neurons  Dendrites  Axon  Synapse  Cerebral Cortex  Glial Cells  Soma (cell Body)  Hetro Correlation
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