Neural Network : It learns the relationships between cause and effect or organize large volumes of data into orderly and informative put News I network is an importation processing paradign (rode) Structure: large number of interconnected neurons work together to regreeent the neural system in our body Appleural networks are configured for a specific applications: · data classification In biological system, learning involves adjustments to seynapte synaptic connections between newsons.

Artificial Newrons: Artificial Newral Network (ANN) is a computational paradigm that is inspured by the way biological nervous system, such as brain process information. ANN can replicate only the basic functions of the brain. It is composed of large number of processing units called neurons that week together in writer to solve at specific problems Here, Suntitus (contraction) (output)

Fach connection link is associated with weights which contain important about the imput signal

W, & W. · ANN's collective behaviour is chalcacturized by their ability to learn, recall and generalise training patterns / data. * Fach neuron has its own & internal date. This internal state is called the activation level of neuron.

This activation signal sais transmitted to several other neurons.

But each neuron can send one signal at a time In D-y output it performs I on the inputs (summation) then it performs Activation function on the > of 1st -> y=2,10,+2,0, (Summation) 2nd y = f(y) (Activation function)