





Presynaptic > neuron that Senda Signal
Postsynaptic - neuron DATE To I
Arlitical Neuron
membrane thickening > Postsynaptic  a. Inhibitory - symmetrical
Strength of connections = Efficiency of  Synaptic Transmis
- excitation excitation excitation
Threshold of Neuron = net excitation excel-
amount.
Refractory Period = Neuron is inactive
~
output of Neuron = 1. strong input 2. Strong frequency
Neuron = Node (cell Unit
Synapse : Connection
Synaptic Efficiency = Connection Strength.
Firing Frequency = Node output
ω <sub>1</sub> ω <sub>1</sub>
12 w2
(m): {1   (wnxe)>0
~ (ittisa istu is
wom I die dra warer
Summation Activation output
Inputision bias PAGE

Acti	valion function: - olp of Neuron, given
	set of inputs.
	DATE
Back	Propogation: Repeatedly adjust the
	weights to minimize difference
	between I d and Z
100.00	Construction in the second in
Hidd	en layers: Neuron nodes stacked in
- A-	between inpute
a rate	The state of the s
W. 3	$X = \omega_1 x_1 + \omega_2 x_2 \dots \omega_m x_m$
	m m
	= Z wixi
	121
	m.
Z	= 1 xi + bias y- 1 sychusticail
	121 Activation function
	Languet 10 10 1 Ch
X-	XX = (actual o/p)
T.,	d= depired alp
	of Activation function
Sign	noid function =
	exclude 9 m
	$Z = 1 (d-z) \qquad Z = \sum_{i=1}^{n} u \sigma_i x_i^2 + b_i$
	2 141
· redess 9	(Z) = > Sigmoid function
1.15	
=> Trai	réform value believeen
	0 6 4 0.5
=> 11 10	est than 0.5 - 0/p=0
	nove than 0.5 - 0/p =
	+1
=> cla	scipication Problem.
vision	PAGE
	THE

