



SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution)

Coimbatore – 35.



DEPARTMENT OF BIOMEDICAL ENGINEERING

UNIT 3

WEIGHT INITIALIZATION

Weight initialization is an important design choice when developing deep learning neural network models.

Historically, weight initialization involved using small random numbers, although over the last decade, more specific heuristics have been developed that use information, such as the type of activation function that is being used and the number of inputs to the node.

These more tailored heuristics can result in more effective training of neural network models using the stochastic gradient descent optimization algorithm.

FOR MORE REFER,

<https://machinelearningmastery.com/weight-initialization-for-deep-learning-neural-networks/>