

## BACK PROPAGATION ALGORITHM - A REVIEW

MRINALINI SMITA & Dr. ANITA KUMARI

*Assistant professor, St. Xavier's College, Intermediate Section, Ranchi, Jharkhand, India*

*Assistant professor, Dr. Shayama Prasad Mukherjee, University, Ranchi, Jharkhand, India*

### ABSTRACT

*The application of deep learning models in financial forecasting comes in to overcome the difficulty in stock price prediction from traditional methods. The use of neural network architecture in deep learning models is called ANN. An ANN is a form of computation inspired by the structure and function of the brain.[ Padhy, 2005] One of the most important property of ANN is that NNs are capable of Learning by example means utilising examples from the data and organising them into a useful form constitutes a model representing the relationship between input and output variables. Back propagation algorithm is a most popular neural network training algorithm for financial forecasting as it is an advancement over the imitations of the one-and two-layer networks. Back propagation is the heart of deep learning process. This paper is a review on back propagation algorithm.*

**KEYWORDS:** *Deep Learning, Neural Network Architecture & Back Propagation Algorithm*

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