A Survey on Stock Market Prediction Using Machine Learning Techniques

Vishal Deshmukh[1] and Sweta Gharat[2]

Assistant Professor, Department of IT[1]

Student, P.G. Department of IT[2]

Veer Wajekar ASC College, Phunde, Uran

Abstract: *Prediction of the Stock Market is a challenging task in predicting the stock prices in the future. Due to the fluctuating nature of the stock, the stock market is too difficult to predict. Stock prices are constantly changing every day. Estimating of the stock market has a high demand for stock customers. Applying all extracted rules at any time is a major challenge to estimate the future stock price with high accuracy. The latest prediction techniques adopted for the stock market such as Artificial Neural Network, Neuro-Fuzzy System, Time Series Linear Models (TSLM), Recurrent Neural Network (RNN) and their advantages and disadvantages are studied and analyzed in this framework work. This paper is about to discuss different techniques related to the prediction of the stock market.*

Keywords: Neuron-Fuzzy systems · Artificial neural network · Hidden Markov model · Data mining · Stock market prediction · TSLM and RNN