**ABSTRACT**

Predicting the price vegetable is vegetable is essential in agriculture sector for effective decision making. This forecasting task is quite difficult. Neural network is self adapt and has excellent learning capability and used to solve variety of tasks that are intricate. The two machine learning algorithms namely back propagation neural network and genetic based neural network are compared in this work. The models are assessed and it is concluded from the derived accuracy that the performance of genetic based neural network is better than back propagation neural network percentage of prediction is derived.