**STOCK MARKET ANALYSIS**

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**ABSTRACT**

Our aim is to create software that analyses previous stock data of certain companies, with help of certain parameters that affect stock value.

We are going to implement these values in data mining algorithms and we will be able to decide which algorithm gives the best result. This will also help us to determine the values that particular stock will have in near future. We will determine the patterns in data with help of data mining algorithms.

In the past decades, there is an increasing interest in predicting markets among economists, policymakers, academics and market makers.

The objective of the proposed work is to study and improve the supervised learning algorithms to predict the stock price.

Two versions of prediction system will be implemented; one using Decision trees and other using Support Vector Machines.

The experimental objective will be to compare the forecasting ability of SVM with Decision Trees. We will test and evaluate both the systems with same test data to find their prediction accuracy.