ABSTRACT

STOCK MARKET PREDICTION

The stock market is where you can buy, sell, and trade stocks any business day. It's also called a stock exchange. Stocks allow you to own a share of a public corporation. The stock price is based on the corporation's earnings. If the company does well, or even if everyone thinks the company is going to do well, the stock price goes up. Stocks also rise when the economy does well. Many companies also give a dividend payment each year to the stockholders, which provides extra value. The most significant downside is that you can lose your entire investment if the stock price falls to zero. If the company goes bankrupt, stock investors are paid after bondholders. For that reason, stock investing can be an emotional rollercoaster. If you need guaranteed returns, stick to bonds. But if you are in it for the long-term, stocks are a better way to go.

There is a risk in investing in stock markets. Our project aims to decrease the risk involved in stock marketing using Machine learning. Using various machine learning models like linear regression, k- nearest neighbours, etc. we will try to predict the closing price. For this we will take data from NSE(National Stock Exchange) website. We will do a comparative study between different models to understand which models gives maximum accuracy. The more the accuracy better will be the predictions. The project will help to predict the stock market graph with the help of the previous data available. This project will overall benefit the stock market traders.