

School of Information Technology and Engineering

SWE1901-TARP-VL2022230101237

FALL SEMESTER 22-23

Assessment 3

TEAM MEMBERS

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TITLE - Bitcoin Price Prediction Using Machine Learning

FRAMEWORK

To develop a model which can help us to predict the price of the bitcoin used , with low error rate and a high precision of accuracy.

While using this model, first, the dataset of the bitcoin from online source is collected which represent in USD over the years.

Next, involves filtering and cleaning the data where it will remove all the incomplete data and also filters unnecessary features in data.

Later, we do training using algorithms to predict the future price followed by testing to measure the accuracy of the algorithm.

Finally after processing the training with the help of data set features and testing, we compare the predicted price of bitcoin at a given time period with the real world bitcoin price at particular period of time and evaluate the accuracy and efficiency of our model.

Dataset :

<https://www.kaggle.com/datasets/meetnagadia/bitcoin-stock-data-sept-17-2014-august-24-2021>

