STOCK MARKET PREDICTION

# 1.1.1. Conception phase

**Abstract**

The project aims to initiate a solution to the problem of predicting future “Close” stock prices using time-series with data collected from Yahoo Finance.

Methods scuh as time series decomposition, fixed rolling windows and other complex model that is used in this project along with Holt’s Linear, ARIMA, SARIMA, and Holt-Winters techniques to improve the accuracy of the prediction.

The expected outcome is to achieve high-performance stock price forecasting with regard to major trends and seasonality that can be used by traders to predict the movements of stock prices.