



**Green University of Bangladesh**  
**Department of Computer Science and Engineering (CSE)**  
**Faculty of Sciences and Engineering**

**LAB PROJECT PROPOSAL**

**Course Title: Data Mining lab**

**Course Code: CSE436**

**Section: 202D2**

**Student Details**

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**Submission Date : 01/11/2024**

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[For Teachers use only: **Don't Write Anything inside this box**]

**Project Proposal Status**

**Marks: .....**

**Signature: .....**

**Comments: .....**

**Date: .....**

## **1. TITLE OF THE PROJECT PROPOSAL**

Stock Market Data Prediction.

## **2. PROBLEM DOMAIN & MOTIVATIONS**

The Stock market process is full of uncertainty, expectations and is affected by many factors. Hence the Stock market prediction is one of the important factors in finance and business. There are two types of analysis possible for prediction, technical and fundamental. In this project just, technical analysis is considered. Technical analysis is done using historical data of stock prices of different companies by applying machine learning algorithms. The method involves collecting data sets and extracting sentiments expressed by individual. Then the output which will get after applying algorithms will analyze and the stock values are analyzed. The learned application can then be used to make future predictions about stock values. This project investigates various techniques for the stock market prediction using LSTM(long short term memory) model. It can be shown that this method is able to predict the sentiment and the stock performance, and it can be used on any real-time data set.

## **3. OBJECTIVES/AIMS**

- To make a web app for stock market prediction.
- Our goal is to analyze the stock market data in programming language Python using different algorithms and find the prediction rate and how a company can use that prediction to increase their sales and to make their market strategies. The outcomes should be in graphical form so that company can easily understand the market trends.

## **4. CONCLUSION**

In Conclusion I can say the Scope of our project is to predict the stock market data using different algorithms and study their prediction efficiency. It will be beneficial for companies and individuals to take proper investment decisions. Because the market is very bulky.