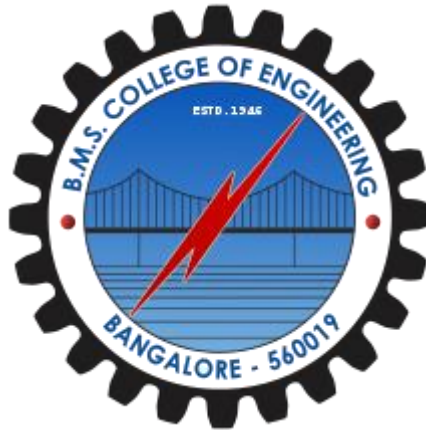


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**DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING**



**Course – JAVA Programming**  
**Course Code –19IS4PCDJAV**  
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**Topic:** Stock Market Web Application

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## Title

Stock Market Web Application

## Abstract

Each day the stock price fluctuates during the day. Given an set of stock prices, what would be the most efficient way to determine the best time to buy and sell to get the max profit. You must buy before you sell.

The development will be broken down into these 5 phases:

1. Requirements analysis

How do we simulate the basic behaviour of a stock market?

What should be the main components of the application?

2. System Design

User interface

Class hierarchy to represent the stock market, types of stocks, and their behaviors

Basic mathematical and financial foundations of the stock market

3. Implementation and Unit Testing

In this part, the actual code is written and tested

As the code is implemented, the system design and requirements may change

4. Integration Testing

The modules are combined and tested as a group

Changes to the system design are done as needed

## Problem Statement

JavaFX desktop application which allows users to view up-to-date financial data.

## Tools and technologies used

JavaFX, IDE's used Netbeans and Eclipse, api's for stock data.