**GLA University, Mathura - 2020**

**Mini-Project 1**

**Synopsis**

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**Stock Market Price Prediction App: “Stock Money”**

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**Problem Statement**

**A) WHAT DO WE WANT TO CREATE?**

A stock market prediction android application.

**B) WHAT IS OUR IDEA ABOUT?**

It is an android based application that predicts the stock market by analyzing the company's statistics and the shares bought by it, by using Machine Learning.

**1) WHO?**

**1.1) Who does our application target?**

Our application targets the budding stock market enthusiasts as well as the investors. Whether they know about the market or not people can easily see the predictions made by the app and use the knowledge accordingly.

**2) WHAT?**

**2.1) What is the boundary of the problem?**

Every investor weather the day traders or the long-term traders, they both have this common problem of not being able to predict the stocks correctly.

**2.2) What is the issue?**

The issue is that according to popular estimates, nearly 90% of people lose their money in stock markets, and this includes both the new and seasoned investors.

Before investing in shares of a company the investors always study and do thorough research on the company. Even after researching by themselves, they are not sure that they will earn or lose their money.

**2.3) What is the impact of the issue?**

There's a constant fear in the mind of the investor that he might lose his money altogether.

**2.4) What impact is this issue causing?**

Due to constant fear of losing the money altogether, the investors are avoiding investing their money on the companies which directly affect the GDP of a country. A fall in the share price of a company negatively impacts the economic growth of a county.

**2.5) What will happen if this problem is fixed?**

As soon as the problem is fixed the people will start earning with a much lower chance of risk.

**2.6) What would happen if we don't solve the problem?**

The present digital scenario has brought up so many new Companies/ Startups which are increasing day by day, and if the number of investors will decrease the company will not be able to support itself, thus downgrading our GDP.

**3) WHEN?**

**3.1) When did the issue start to occur?**

This issue started during the stock market establishment.

**3.2) When does it need to be fixed?**

It needs to be fixed right now! As many companies are establishing day by day and month by month and in the future, they need stocks/money to scale up their business, and without money, it is very difficult to scale up.

**4) WHERE?**

**4.1) Where does this issue occur?**

This issue occurs in every county where the stock market is prevalent.

**5) WHY?**

**5.1) Why is it important that we fix the problem?**

It is important because most people cannot predict the market as accurately as our program does.

**5.2) What impact does it have on the business or customer?**

The application will have a drastic impact on companies/businesses as well as investors. Businesses will be getting money to raise their capital as the investor count will increase and the investors who are our regular users will increase their profit ratio and their losses will be reduced. So, it's a win-win situation here.

**6) Our Solution**

Our Solution is to make an android based application that will predict the value of a company's stock soon with an accuracy of approximately 70%. So that users may take the correct decision of when to buy a stock or when to sell it to attain maximum profit.

**C) HAS THE IDEA/PROJECT BEEN IMPLEMENTED BY SOMEONE ELSE IN THE PAST?**

Yes, this idea is implemented by a few companies and so we wrote a Literature survey to read our Literature survey report move to the next page.