INTELLIGENT RESEARCH ON INVESTMENT IN STOCKS (IRIS)

A PROJECT REPORT

Submitted by

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in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE & ENGINEERING

of

FACULTY OF ENGINEERING AND TECHNOLOGY

Delhi NCR Campus, Modinagar, Ghaziabad (U.P.)

JUNE 2020

SRM INSTITUTE OF SCIENCE & TECHNOLOGY

(Under Section 3 of UGC Act, 1956)

BONAFIDE CERTIFICATE

Certified that this project report titled "**INTELLIGENT RESEARCH ON INVESTMENT IN STOCKS (IRIS)**" is the bonafide work of "**ANURAG JHA [Reg No: RA1611003030196]**, **AASTHA [Reg No:RA1611003030197] SHIKHAR SANJAY [Reg No: RA1611003030214]**, **SIDDHARTH JAIN [Reg No: RA1611003030217],** ", who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form any other project re- port or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

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ABSTRACT

Stock price prediction is an important and well linked topic in the fields of finance and academic studies. There are no remarkable rules present yet to calculate or predict the price of stocks in the share market. Several techniques like technical analysis, fundamental analysis, time phase analysis and statistical analysis, etc. are all used to seek out or calculate the price of stocks in the share market. The factors which are unpredictable in the stock market make it difficult to predict stock price trends in the upcoming future. Although there is a long history of trials to develop an effective prediction method, yet there is an increase in the success rate in nonlinear approximation due to recent developments in the field of artificial intelligence and the use of artificial neural networks. The target of the project is to build a web application that analyse the back-date stock data of the companies and implement these values in Long Short Term Memory (LSTM) to predict the value that particular stock will have in next closing price with suitable efficiency. These determined and analysed data can be discovered by various users to know the financial status of companies and the comparisons among various. It can also be very helpful to even researchers, stock brokers, government, merchants, share-holders and general people. The centre of attention of this project is to develop an approximate predicting outcome and create a common idea of upcoming values based on the previous data by creating an observable pattern or trend. The objective of this project does not transcend more than a general suggesting tool.

ACKNOWLEDGEMENTS

I would like to express my deepest gratitude to my guide, Dr.Jabir Ali his valuable guidance, consistent encouragement, personal caring, timely help and providing me with an excellent atmosphere for doing research. All through the work, in spite of his busy schedule, he has extended cheerful and cordial support to me for completing this research work.

I would also like to Thank my parents for their assistance.

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