**A PROJECT REPORT**

**on**

**“COMPARISION OF DEEP LEARNING MODELS FOR STOCK PRICE PREDICTIONS”**

**Submitted to**

**KIIT Deemed to be University**

**In Partial Fulfillment of the Requirement for the Award of**

**BACHELOR’S DEGREE IN**

**COMPUTER SCIENCE ENGINEERING**

**BY**

**AASHMIT SHRESTHA**

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**UNDER THE GUIDANCE OF**

**Mr. Ajay Anand**

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**SCHOOL OF COMPUTER ENGINEERING**

**KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY**

**BHUBANESWAR, ODISHA - 751024**

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**May 2023**

KIIT Deemed to be University

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CERTIFICATE

This is certify that the project entitled

“COMPARISION OF DEEP LEARNING MODELS FOR STOCK PRICE PREDICTIONS”

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is a record of bonafide work carried out by them, in the partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (Computer Science & Engineering ) at KIIT Deemed to be university, Bhubaneswar. This work is done during year 2022-2023, under our guidance.

Date: / /

(Ajay Anand)

Project Guide

**Acknowledgments**

We are profoundly grateful to **AJAY ANAND** sir of the **School of Computer Science Department**  for his expert guidance and continuous encouragement throughout to see that this project rights its target since its commencement to its completion.

We would like to express our sincere gratitude to all the individuals who have contributed to the successful completion of this minor project.

Lastly, we would like to thank our families and friends who have been a constant source of motivation and encouragement throughout our academic journey.

AASHMIT SHRESTHA

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**ABSTRACT**

**Owing to its volatility and its dependence on numerous factors predicting the future course of the stock market is difficult. Forecasts are frequently made using technical indicators and historical data to address this issue. A few examples of Deep Learning RNNs that may be utilized to take advantage of various properties to improve the prediction accuracy include LSTM and GRU.**

**This project aims to compare the prediction accuracy proposed the deep learning models for stock prices .Historical data as well as technical indicators such as the Moving Average make the input data. The framework proposed in this study uses GRU to identify long-term trends and generate final forecasts.**

**Keywords:** *LSTM, GRU, Technical Indicators, Stock Prediction, RNN*

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