



**CMR COLLEGE OF ENGINEERING & TECHNOLOGY**  
(UGC Autonomous)

**DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

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**BATCH NO: B62**

**DATE: 9-10-2021**

**PROJECT TITLE: ALGORITHMIC TRADING USING MACHINE LEARNING**

**INTERNAL GUIDE: Dr. Sarat Chandra Nayak**

SNO	HTNO	STUDENT NAME	BRANCH/SECTION
1	18H51A0517	L Bharadwaj	CSE
2	18H51A0518	M M Prathyush	CSE
3	18H51A0596	Gorkanti Vineetkumar	CSE

**ABSTRACT**

Algorithmic trading is a method of executing orders using automated pre-programmed trading instructions for the things such as time and price. This type of trading attempts to boost the speed and computational resources of computers relative to human traders. These encompass a variety of trading strategies, some of which are based on formulas and results from mathematical finance, and often rely on specialized software.

Stock market is a probabilistic trading where we can gain and have possibility of loss. Investing in stock market trading might be a risky task. So, we can use algorithmic trading which uses the previous trends of a particular stock and help us predicting investing in the stock. Algorithmic trading using machine learning techniques to increase the probability of profit because it uses the technical analysis of stock, price action strategies, seasonal trends and help us to predict which time is better to invest in stocks. So, we will not fall in debts anymore. We are developing an algorithm using machine learning and deep learning techniques like SMA (Simple Moving Average), Arima, RNN (Recurrent Neural Network) and LSTM (Long Short-Term Memory) for predictions.

**INTERNAL GUIDE**

**PROJECT COORDINATOR**

**HOD -CSE**