CAMBRIDGE INSTITUTE OF TECHNOLOGY

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Department of Information Science & Engineering

Final Year B.E Project Work: AY 2024-25

Project Synopsis

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Title: The Role of Artificial Intelligence Prediction in Stock Market Investors Decisions	

Abstract:

The individual investors use the information available related to the stock market to help in evaluating the stock investment and financial behaviors for making decisions. By understanding the security firms' market trends for forecasting future advice for the investors and investor behaviors. With the advancement of Artificial Intelligence (AI) such as Long short-term memory (LSTM) and convolutional neural network (CNN) for the prediction of stock market behavior to make investor decisions. The best methods for risk management and portfolio diversification are to forecast stock market returns. For creating reliable projections for investment decision-making, there are many forecasting methodologies using AI models for the prediction of stock market behaviors. This paper presents a deep learning-based model for predicting stock market behaviours to improve investors' decisions. The analysis results show that the proposed model achieved more than 99.98% in prediction accuracy of the dataset understudy. This can significantly enhance the decisions of individual investors for better future predictions of stock markets.

Name of the Guide: Dr. Preethi S Signature of Guide: Date:

Signature of Project Coordinator:

Note: **Synopsis to be neatly typed and submitted to project coordinator on or before 01-10-2024**