



Swami Keshwanand Institute of Technology, Management & Gramothan, Jaipur

Department of Information Technology Major Project – VIII Semester (2022-23)

ABSTRACT

Title: Stock Price Prediction Using Machine Learning

In Stock Market Prediction, the aim is to predict the future value of the financial stocks of a company. The recent trend in stock market prediction technologies is the use of machine learning which makes predictions based on the values of current stock market indices by training on their previous values. Machine learning itself employs different models to make prediction easier and authentic. The paper focuses on the use of Regression and LSTM based Machine learning to predict stock values. Factors considered are open, close, low, high and volume. In this work we use Machine learning architectures Long Short-Term Memory (LSTM), Convolutional Neural Network (CNN) and Hybrid approach of LSTM + CNN for the price forecasting of NSE listed companies.

Technology Used:- Jupyter, Python, Numpy, Pandas, Keras, Streamline, Scikit learn

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