#### UG SEMINAR ABSTRACT

#### Academic Year: 2023-2024

**DEPARTMENT: IT**

Seminar On Forecasting Stock Market Trends via Twitter Sentiment Analysis

ByHansraj Mahadev Pawar Roll No*.* 33360

1. Name of the Topic: Forecasting Stock Market Trends via Twitter Sentiment Analysis

2. Topic wise contents:

* Introduction
* Algorithm
  + Word List Generation
  + Tweet Filtering
  + Tweet Filtering
  + Score Mapping
* Dataset
* Sentiment Analysis
* Model Learning and Prediction
* Portfolio Management
  + Pre-Computation
  + Buy Decision
  + Sell Decision
* Conclusion and Future Work
* Acknowledgements
* References

3. References Used:

1. Mittal and a. Goel. “Stock Prediction Using Twitter Sentiment Analysis.” Tomx.Inf. Elte.Hu.
2. J. Bollen and H. Mao. Twitter mood as a stock market predictor. IEEE Computer, 44(10):91–94.
3. R. Ahuja, H. Rastogi, A. Choudhuri and B. Garg, “Stock market forecast using sentiment analysis”, 2nd International Conference on Computing for Sustainable Global Development, pp. 1008-1010, 2015.
4. G. P. Gang Leng and T. M. McGinnity. An on-line algorithm for creating self-organizing fuzzy neural networks. Neural Networks, 17(10):1477–1493.

Date: 11/08/2023 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student

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REMARKS BY UG SEMINAR CO-ORDINATOR:

Date: 11/08/2023 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

UG Seminar Coordinator