PUNE INSTITUTE OF COMPUTER TECHNOLOGY

DHANKAWADI, PUNE – 43

**UG SEMINAR ABSTRACT**

Academic Year: 2018-19

**DEPARTMENT: COMPUTER ENGINEERING**

**Seminar On**: Stock Market Prediction

**By** : Anurag Haresh Gujarathi  **Roll No. 3134**

1. Name of The Topic: Prediction of Stock Market using historical data.
2. Topic wise contents: 1.Introduction

2.Algorithms

3.Prediction Model

4.Conclusion

1. References Used:

1. Yongsheng Ding, Lijun Cheng, Witold Pedrycz and Kuangrong Hao, "Global Nonlinear Kernel Prediction for Large Data Set With a Particle Swarm-Optimized Interval Support Vector Regression" IEEE Transactions on Neural Networks and Learning Systems, Vol. 26, No. 10, October 2015

2. Chen, L., Qiao, Z., Wang, M., Wanga, C., Du, R., & Stanley, H. E. (2018). "Which artificial intelligence algorithm better predicts the Chinese stock market?" IEEE Access, 1–1.

Date: 31/01/2019 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Date: 01/02/2019 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

UG Seminar Coordinator

( Prof. A. A. Jewalikar )

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**Abstract:**

A stock market is the aggregation of buyers and sellers which represent ownership claims on businesses. Intelligent investments in the stock market can potentially earn high returns to investors. However, due to the non-linear nature of stock market fluctuations, it is difficult to make an intelligent decision. This leads to the need of a model, which can predict the stock market on the basis of historical data. Concepts like Regression, Artificial Neural Networks and Support Vector Machines make it possible to predict values on the basis of historical data. A model for estimating the daily opening and closing prices of the stock market has been proposed.

**Keywords:**

Stock market prediction, Regression, Neural Networks, Support Vector Machine.

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REMARKS BY UG SEMINAR GUIDE:

Date: 01/02/2019 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

UG Seminar Guide

( Prof. A. G. Phakatkar)