

Two Days Workshop

On

“Machine Learning Techniques for Time Series Data Analysis including Application over Stock Market Data”

30th Aug to 31th Aug 2019

REGISTRATION FORM

Full Name: _____

Designation: _____

Organization: _____

Affiliation & Address: _____

Category: Industry / Faculty / Student

Mobile: _____

Email: _____

Amount (in Rs): _____

Bank Name: _____

DD Number: _____

Date- _____ Signature of the applicant



PATRONS

Hon. Shri Vishram Jamdar

Chairman, VNIT, Nagpur.

Hon. Shri Pramod M. Padole

Director, VNIT Nagpur

Prof. Umesh A. Deshpande

HOD, Department of CSE,

VNIT, Nagpur

WORKSHOP COORDINATOR

Dr. M. P. Kurhekar,

Associate Professor CSE Dept.,

Visvesvaraya National Institute of Technology

Ph: (O) +91-712-280-1597,

Email: manishkurhekar@cse.vnit.ac.in

IMPORTANT DATES

Last Date of Registration: 26th Aug 2019

Notification of Acceptance by

E-mail: 27th Aug 2019

Two Days Workshop

On

“Machine Learning Techniques for Time Series Data Analysis including Application over Stock Market Data”

30th Aug to 31th Aug 2019

Organized by



Department of Computer Science and Engineering,

Visvesvaraya National Institute of Technology, Nagpur-440010, Maharashtra, India.

<http://www.vnit.ac.in>

ABOUT THE DEPARTMENT

The Department of Computer Science & Engineering came into being in 1987. It offers under-graduate and post-graduate programs. Currently, there are 30 Full Time PhD students enrolled in the department in the areas of parallel computing, real time & distributed systems, cloud computing, networks and Bio informatics. The department has well qualified and motivated faculty members and support staff. The laboratories are adequately equipped with state-of-the-art facilities. The department is actively involved in R&D as well as consultancy projects and has collaborations with several industries, academic institutes and R&D organizations in the country. The students of the department are consistently delivering very good performance in various areas like post-graduation, research, placement in dream companies, acquiring prizes in various contests etc.

ABOUT THE INSTITUTE

Visvesvaraya National Institute of Technology, Nagpur is one of the thirty-one National Institutes of Technology in the country. The Govt. of India conferred on the Institute, the Deemed to be University status (under University Grants Commission Act, 1956 (3 of 1956)) with effect from 26th June 2002. Subsequently, the Central Govt. by Act of Parliament (National Institutes of Technology Act, 2007 (29 of 2007)) declared VNIT Nagpur as an Institute of National Importance along with all other NITs. The Act was brought into force from 15th August 2007. Earlier, the Institute was known as Visvesvaraya Regional College of Engineering (VRCE). It was

established in the year 1960 under the scheme sponsored by Govt. of India and Govt. of Maharashtra. The college was started in June 1960 by amalgamating the State Govt. Engineering College functioning at Nagpur since July 1956. In the meeting held in October 1962, the Governing Board of the College resolved to name it after the eminent engineer, planner, and states man of the country Sir M. Visvesvaraya. The Institute is well connected within 5-8 km to Airport/ Railways and Central Bus station.

COURSE OBJECTIVE

Forecasting of time series data is a challenging task because of its dependence on various uncertain factors. Our objective is to explore machine learning algorithms for time series prediction. Algorithmic trading can utilize advances in machine learning. Hands-on will be conducted using Python and R programming language on stock market data.

COURSE CONTENTS

- **Time Series Analysis**
- **Time Series decomposition**
- **Forecasting Methods such as ARIMA**
- **Decision Tree classification**
- **Hidden Markov Model**
- **Q-Learning**
- **Stock Market Analysis**
- **Algorithmic Trading and Back-testing**
- **Financial Freedom**

RESOURCE PERSON

Faculties of VNIT will deliver their expert lectures and hands-on training.

REGISTRATION

The registration fee shall be paid through a DD in favour of "Director, VNIT", payable at Nagpur. Interested candidates shall mail the hard copy of duly filled application form and DD to address mentioned in Contact Details. Outstation participants can avail VNIT hostel facility on payment basis. The number of participants for the program is limited to 50 on first come first serve basis. The registration fee is mentioned below including GST. Lunch and Hi-Tea will be provided to the participants.

Professionals - Rs.1, 500/-

Student- Rs.1, 000/-

CONTACTS DETAILS

Mr. Jagdish Chakole
Research Scholar, CSE Dept.,
Visvesvaraya National Institute of Technology
Mobile: +91-960-426-9053,
Email: jagdishchakole@gmail.com