



VIT®

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

**One Day Online Workshop on Deep
learning Techniques for Time Series
Analysis using Python**
25th March 2026

Organized by
**School of Computer Science and
Engineering (SCOPE)**
Vellore Institute of Technology
Vellore – 632 014



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Coordinators:

Dr. R. Kanagaraj, Assistant Professor

Department of Information Security

Dr. A. Kumaresan,

Associate Professor

Department of Database Systems

Contents of the Programme

- Introduction to Deep learning using Python
- Convolutional Neural Networks
- Back propagation
- Reinforcement Learning
- Deep Learning Techniques
- LSTM
- ARIMA
- Time Series analysis for forecasting
- Real world applications

Target Audience:

Faculty members, Research Scholars, UG and PG students

Registration:

The participants are requested to register for the workshop through the following link

<https://events.vit.ac.in/>

Registration fee (Including GST):

• Faculty Members	:	Rs. 350/-
• Research Scholars	:	Rs. 300/-
• UG/PG Students	:	Rs. 250/-

Last date for registration: 23.03.2026

About VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research encourages us on in our relentless pursuit of excellence. Our Memoranda of Understanding with various international universities are our major strength.

About SCOPE

The school has one of the best infrastructure including domain-specific labs associated with the technical departments. The main aim is to produce computing graduates with potential, to design and develop systems involving the integration of software and hardware devices, employ innovative approaches in programming and problem solving, and create Large Scale Software Systems. With an objective of developing core competence in the subject matter specializations and special interest groups for learning newer technologies.

The School has formed the following technical departments:

- Department of Analytics
- Department of Computational Intelligence
- Department of Database Systems
- Department of Software Systems
- Department of Information Security
- Department of IoT
- Department of Quantum AI

About Workshop

This Workshop aims at providing a forum for members of the research and academy community. The Workshop enables the participants to understand the recent technologies in Recurrent Neural Networks like LSTMs and GRUs, CNN, Artificial Intelligence, Machine Learning and its applications. It gives you the understanding of Key concepts and applications to build conversational Deep learning models. The sessions include both the discussion of deep learning techniques in real time applications data and the challenges to apply practically. The sessions also include hands-on training. These sessions are designed based on domains like Predictive modeling and Deep Learning Algorithms using Python.

Speaker

Dr. Boby John

Senior Technical Officer
Statistical Quality
Control & Operations Research Unit
Indian Statistical Institute, Bangalore

Dr. J. V. Bibal Benifa

Assistant Professor
Indian Institute of Information Technology
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