



Two Day Online Workshop on Deep learning Techniques using TensorFlow and Python

6th to 7th March 2025

Organized by

School of Computer Science and Engineering (SCOPE)

**Vellore Institute of Technology
Vellore – 632 014**



Organizing Committee

Chief Patron:

Dr. G. Viswanathan, Chancellor

Patrons:

Mr. Sankar Viswanathan, Vice President

Dr. Sekar Viswanathan, Vice President

Dr. G.V. Selvam, Vice President

Dr. Sandhya Pentareddy, Executive Director

Ms. Kadhambari S. Viswanathan

Assistant Vice - President

Co-Patrons:

Dr. V. S. Kanchana Bhaaskaran

Vice Chancellor

Dr. Partha Sharathi Mallick

Pro-Vice Chancellor

Dr. T. Jayabarathi, Registrar

Convener:

Dr. N. Jaisankar, Dean In-charge,
SCOPE

Co-Convener:

Dr. H Parveen Sultana, Associate Dean

In-charge, SCOPE

Organizing Secretaries:

Dr. M. P. Gopinath

Head - Information Security, SCOPE

Dr. S. Murali

Head - Database Systems, SCOPE

Coordinators:

Dr. R. Kanagaraj, Assistant Professor
Department of Information Security
SCOPE

Dr. A. Kumaresan, Associate Professor
Department of Database Systems
SCOPE

Contents of the Programme

- Introduction TranserFlow
- Advanced Deep learning Techniques
- Computer Vision
- Natural Language Processing
- Transformer
- Large language models (LLMs)
- Convolutional Neural Networks
- Backpropagation
- Reinforcement Learning

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. 500/- |
| • Research Scholars | : | Rs. 300/ |
| • UG/PG Students | : | Rs. 250/- |

Last date for registration: 05.03.2025

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 spur 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

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 Deep Learning techniques, Data Science, Machine Learning and its applications. Deep Learning techniques have formed an explosion of research methodology in Data science. The sessions include both the discussion of machine learning and deep learning techniques in real time applications and the challenges to apply practically. The sessions also include hands on training on domains like Deep learning Techniques, Algorithms, Optimization, Predictive modeling and Machine Learning Techniques using Open source programming languages TensorFlow and Python.

Speakers

Dr. Boby John

Senior Technical Officer
Operations Research Unit
Indian Statistical Institute, Bangalore
Six Sigma, Data Mining, Data Analysis

Mr. Thanikachalam M

DATA Scientist / DATA Engineer
Tata Consultancy Service
Google Cloud Certified
Machine Learning Engineer

Mr. A. Bharanidharan

Software Engineer
IQZ Systems, Coimbatore

For further details contact

Email: kanagaraj.r@vit.ac.in,
kumaresan.angappan@vit.ac.in
Mobile: +91-9894417279
+91-9894234358

Participants are requested to register for the workshop through following web link

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

