



Masterclass: **FUNDAMENTALS OF DEEP LEARNING**

INTRODUCTION

This Masterclass provides the fundamental elements of deep machine-learning. Students will learn model data with complex architecture combining different non-linear transformations and deep neural networks. They will gain hands-on experience in the fields of sound and image processing, facial recognition, speech recognition, computer vision, automated language processing, and text classification. They will also learn the basics of Tensorflow and Keras.

COURSE-LEARNING OUTCOMES (CLO)

- Acquire the essential knowledge of Deep-Learning
- Install Tensorflow packages and approaches to Deep-Learning
- Implement deep neural network systems

WHO CAN ATTEND THIS MASTERCLASS?

This is open to all undergraduate students.

CERTIFICATION

Certificate of Completion in Masterclass Fundamentals of Deep learning.

COURSE OUTLINE

1. Introduction to Deep-Learning
2. Tensorflow and Keras – Installation
3. Tensorflow Basics
4. Computation Graphs
5. Conventional Neural Network
6. Keras

