



## PyTorch Basics

### **Description:**

This program is meant to give you the basics till an advanced understanding of one of the most popular deep learning python frameworks - PyTorch. Course curriculum includes concepts about the PyTorch framework, tutorials, and much more!

### **Start Date:**

### **Doubt Clear Time:**

### **Course Time:**

### **Features:**

- # Learning of different concepts of PyTorch framework
- # Self Paced Videos
- # Completion Certificate

### **What we learn:**

- # Basic concepts

# Installation

# PyTorch usecases

# Apply PyTorch to implement DL or ML algos from scratch

## **Requirements:**

# Interest to learn

# Deep learning ANN course

# Deep learning concepts

# Decent internet connection

## **Instructor:**

### **Name:**

Sunny Bhavleen Chandra

### **Description:**

Sr. Data Scientist and lecturer at iNeuron.ai with working experience in computer vision, natural language processing and embedded systems. Hands-on experience leveraging machine learning, deep learning, transfer learning models to solve challenging business problems. Also, he has a vast interest in Robotics.

## **>Section: 1 PyTorch**

### **Introduction:**

>>Introduction to PyTorch

>>PyTorch installation and setup

## **>Section: 2 PyTorch Tensors**

## **and Operations:**

>>What is tensor? & Type Conversions

>>Mathematical Operations

>>Indexing, Slicing, Concatenation, Reshaping Ops

### **>Section: 3 AutoGrad:**

>>Derivatives, Partial derivative, & Successive Differentiation

### **>Section: 4 First Neural Network:**

>>Simple ANN Implementation