



NITIE

National Institute of
Industrial Engineering
Mumbai - India

GLOBAL ONLINE CERTIFICATION COURSE
ON
***DEEP
LEARNING IN FINANCE***



Course Timeline:

First week of
October 2021.
15 Hrs. of Session +
10 Hrs. Practice





Global Online Certification Course on
DEEP
LEARNING IN FINANCE

COURSE INSTRUCTORS

NITIE is proud to present the Global Online Certification Course on “Deep Learning in Finance” in association with Prof. Rahul Rai (Clemson University)



Prof. Rahul Rai

Professor & Dean’s Distinguished Professor,
Department of Automotive Engineering,
Clemson University, International Center for
Automotive Research
(CU-ICAR) Greenville, SC.



Dr. Ajaya Panda

Assistant Professor, Finance
National Institute of
Industrial Engineering
(NITIE), Mumbai,
Maharashtra, India

Faculty Coordinators:

Prof: Ajaya Kumar

Panda Prof. Rakesh Raut

Prof. Ravindra Gokhale

For More Information visit: www.nitie.ac.in





Global Online Certification Course on
DEEP
LEARNING IN FINANCE



ABOUT THE COURSE

The course is self-contained comprehensive primer to deep learning, with a good balance between theory, numerical methods, and programming. **The application portion will be taught in the context of practical and applied methods in the financial domain.** A wide variety of topics at the intersection of deep learning will be covered. Processing big data through a deep neural network to generate useful and actionable insights will be the primary focus. The course will focus on the basic concept learning approach, where the focus will be on covering basic elements of deep-learning through referred materials and programming assignments.

“Most Difficult thing will be Understood by Simplified Way”



NITIE
National Institute of
Industrial Engineering
Mumbai - India



COURSE CONTENT

- WEEK 1** : Types of ML Problems in financial domain and Intro to Optimization
- WEEK 2** : Intro to deep learning
- WEEK 3** : Neural Network Basics
- WEEK 4-5** : Shallow Neural Networks
- WEEK 6** : Deep Neural Networks
- WEEK 7** : Testing, Bias, and Overfitting
- WEEK 8** : Optimization Algorithms
- WEEK 9** : Hyperparameter Tuning, Batch Normalization, Programming Frameworks
- WEEK 10** : Deep Learning in financial domain: Case Studies

COURSE FEES

For Individual Registrations

Category	Fee category	Fee Rate (Incl. of all.) *
Participants from India	Student	INR 2000/- Per participant
	Academician / Faculty	INR 3000/- Per participants
	NITIE Alumni	INR 3000/- Per Participants
	Industry Professionals/others	INR 5000/- Per Participants
Foreign Participants	Any	USD100 Per Participants

For Bulk Registration from one organization

Bulk Registration Fee		
Fee Rate (Incl. of all.) *		
No. of Participants	Student	Industry Professionals
11 to 20	INR 1900/- Per participants	INR 4800/- Per participants
21 to 35	INR 1800/- Per participants	INR 4700/- Per Participants
36 to 50	INR 1700/- Per participants	INR 4600/- Per Participants
51 and Above	INR 1600/- Per participants	INR 4500 Per Participants

***Convenience Charges may apply.**