



National Institute of Electronics and Information Technology

(An ISO 9001:2015 certified Organization)

Ministry of Electronics and Information Technology
Government of India

Online Course Prospectus

Deep Learning with Python

Course Description

This comprehensive online course on Deep Learning is about understanding the concepts of Deep Neural Networks and their applications in the real-world. Deep learning and its deep nets are an essential part of Data Science and hence this course can benefit you in developing skills which can be further used for your career as a data analyst, data scientist, statistical analysis, and computer vision engineer, for your entrepreneurial business or just to expand your knowledge. In this course, you'll acquire hands-on, practical knowledge of executing deep learning algorithms through Python programming language.

[Click
Here to
Register](#)

OR

Scan QR Code



Who can attend?

Anyone who is interested to build their career in Data science or Data analytics, including:

- ❖ Complete Beginners
- ❖ Professionals looking to bridge gaps in their knowledge
- ❖ Python Developers looking to get into Data science

Course Content

- ❖ Python
 - Matplotlib
 - Pandas
 - Numpystack
 - Sklearn
- ❖ Artificial Intelligence
- ❖ Machine Learning
- ❖ Supervised and Unsupervised Learning
- ❖ Neural Networks
- ❖ Python Libraries for Deep Learning
- ❖ Linear Algebra
- ❖ Deep Neural Networks
- ❖ Shallow Neural Networks
- ❖ Optimization Algorithms
- ❖ Hyperparameter Tuning
- ❖ Multilayer Perceptron (MLP)
- ❖ Deep Belief Networks (DBN)
- ❖ Restricted Boltzmann Machines (RBM)
- ❖ Convolution Neural Networks (CNN)
- ❖ Generative Adversarial Networks (GAN)
- ❖ Auto encoders
- ❖ Sequence Models
- ❖ Recurrent Neural Networks (RNN)
- ❖ Minor Project

Prerequisite

- ❖ Familiarity with Neural Networks
- ❖ Basic Knowledge of Python

Duration

4 Weeks (40 Hrs.)

Certificate

e-Certificate will be issued to each participant after completion of the training. The participant needs to maintain minimum 75% attendance during the online classes and is required to score minimum 50% marks in the online test in order to successfully complete the course.

Minimum Requirements

- ❖ A computer with an internet connection and download privileges.

How to Apply

Interested candidates may apply online on the link <https://nielit.gov.in/haridwar/content/online-courses> after submitting the Course Fee in following account:

Name	:	NIELIT Haridwar
Account Number	:	12922122001331
IFSC Code	:	PUNB0129210
Bank Name	:	Punjab National Bank
Branch	:	Pentagon Mall, SIDCUL, Haridwar

NOTE: Copy of transaction slip is required to be uploaded at the time of filling online form. Candidate may keep a copy of the same for future reference.

Terms and Conditions

1. In case, any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.
2. In case, the online course is cancelled/postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.

Course Coordinator

Mr. Varun Mishra

Ph: 9368349990, Email: haridwar@nielit.gov.in

Faculty Profile

Ms. Akanksha Bisht, B.Tech (CS), M.Tech (CSE).



NIELIT Haridwar is the Regional Centre of NIELIT in the state of Uttarakhand and is situated in SIDCUL Haridwar. It is well known for the advanced training programmes in the areas of Future Skills such as **Cloud Computing, Machine Learning, Artificial Intelligence, Internet of Things, MATLAB, Big Data, Embedded Systems etc** in addition to the various **National Skill Qualification Framework (NSQF)** aligned long-term and short-term courses in Electronics & Information Technology. The Centre has **MOUs** with various prestigious institutions and Universities of Uttarakhand for academic collaboration, technical support, summer/industrial training and internships of the students. The Centre provides a conducive learning environment with the state-of-the-art infrastructure and expert faculties.

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NIELIT Haridwar

2nd Floor, Government Polytechnic Building,
Plot No- 6C, Sector -11, Near Pentagon Mall,
SIDCUL, Haridwar, Uttarakhand- 249403

Office Nos: 01334-235617, 235054

Mobile: +91-9368349990 (Call & WhatsApp)

Email: haridwar@nielit.gov.in

Website: <https://www.nielit.gov.in/haridwar/>

