NIELIT

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

Machine Learning using Python

Course Description

To give an insight of the basic concepts and techniques of Machine Learning; to give exposure on the use of latest Machine Learning software for solving practical problems; to prepare youth on one of the areas of Future Skills which he/she may choose for further studies and research.

Click Here to Register

OR

Scan QR Code

Who can attend?

Anyone who is interested to build their career in Machine Learning domain including,

- Fresh graduates who wish to build their career in Machine Learning.
- Experienced professionals who want to switch to Machine Learning Domain.
- Faculty Members, Research Scholars who want to specialize in Machine Learning

Course Content

- Python
- Concept of data types, variables,
- assignments, immutable variables,
- Numerical types, arithmetic, operators
- and expressions, comments
- Collection
- Functions and arrays in Python
- Data Manipulation using NumPy
- Data Manipulation using Pandas.
- Data Visualization with Matplotlib
- Introduction to Machine Learning and it's types
- Study of Machine Learning Algorithms

Prerequisite

- Familiarity with RDBMS
- Basic Knowledge of Python

Duration

- ❖ 4 Weeks (without project) / 6 Weeks (with project)

The internship/industrial training programme includes about 40 Hrs of intensive interactive instructor-led online sessions and about 60 Hrs of practical assignments that student can perform at their end. In some training programmes, the facility of virtual lab can also be extended subject to availability. The six weeks programme includes two weeks (20 Hrs.) of project that student is required to develop and a presentation is to be made by student (in Online mode) to the faculty.

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

- Candidate must have latest computer/laptop and Internet connection with good speed.
- Software: Anaconda, Spyder for Python (can be downloaded from respective websites)

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	:	44306909591
IFSC Code	:	SBIN0012852
Bank Name	:	State Bank of India
Branch	:	Shivalik Nagar, 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. Kailash Chandra Joshi
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Email : haridwar@nielit.gov.in

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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