

NIELIT Chandigarh

Python with Data Science and Machine Learning

About NIELIT

National Institute of Electronics and Information Technology, is an autonomous Scientific Society of Ministry of Electronics & Information Technology (MeitY), Government of India. NIELIT Chandigarh was established in 1978 to provide professional services in the areas of Information, Electronics & Communication Technology (IECT). NIELIT Chandigarh is engaged in development of industry oriented quality education and training programmes in the state-of-the-art areas.

About Course			Course Ob	jective
This course will cover the Python Programming and its fundamental			The participants will learn Python, its	
data structures. Students will learn how to program and work on			programming and working on various data	
data science libraries like numpy and pandas, apply data analysis,			structures. The libraries for data science will be	
data cleaning techniques, data visualisation. The concept of Machine			learnt and use the data to plot graphs. The	
Learning, its models and implementation of its algorithms will be			participant will learn various Machine Learning	
covered.			models and applying them.	
Brief Contents				
Python – Introduction, Installation, Anaconda			Visualisation of data through Matplotlib	
 Python Language and its programming constructs 			 Machine Learning Categories 	
Python data structures: Strings, Lists, Tuples and Dictionary			Machine Learning Models, Classification,	
Numpy Library for n-dimensional arrays			Regression Concepts, Cost Functions,	
Data Science concepts – Loading data and cleaning data			Gradient Descent	
 Pandas Library for Analytics, Calling Functions 			 Models Evaluation and Performance 	
 Data Preparation, Feature Engineering, Feature Scaling, Data 			 Applying various models, Introduction to 	
Munging, Data Cleaning, EDA			NLTK	
Eligibility Open to All	Duration	6 Weeks	Fees	Rs.3250/- + GST
For further details, Contact:				
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