## Python Data Science Course Curriculum

***Pre-requisite : Hands on knowledge in Python Programming***

***Lesson 00 - Course Overview***

***Lesson 01 - Data Science Overview***

***Lesson 02 - Data Analytics Overview***

***Lesson 03 - Statistical Analysis and Business Applications***

***Lesson 04 - Python Environment Setup and Essentials Revision***

***Lesson 05 - Mathematical Computing with Python (NumPy)***

***Lesson 06 - Scientific computing with Python (Scipy)***

***Lesson 07 - Data Manipulation with Pandas***

***Lesson 08 - Machine Learning with Scikit–Learn (two to three algorithms)***

***Lesson 09 - Natural Language Processing with Scikit Learn***

***Lesson 10 - Data Visualization in Python using matplotlib***

***Lesson 11 - Web Scraping with BeautifulSoup***

***Lesson 12 - Python integration with Hadoop MapReduce and Spark***

***Project***