

Since 2007, Making IT Experts & Products

Course: Artificial Intelligence

Duration: 60 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, SalesForce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

+91 9895490866

+91 8301010866

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Module 1: Introduction to Data Science

- * What is Data Science?
- * What is Machine Learning?
- * What is Deep Learning?
- * What is AI?
- * Data Analytics & its types

Module 2: Introduction to Python


- * What is Python?
- * Why Python?
- * Installing Python
- * Python IDEs


Module 3: Python Basics

- * Python Basic Data types
- * Lists
- * Slicing
- * IF statements
- * Loops
- * Dictionaries
- * Tuples
- * Functions
- * Array
- * Selection by position & Labels

Module 4: Python Packages

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- * Pandas

- * Numpy

- * Sci-kit Learn

- * Mat-plot library

Module 5: Importing Data

- * Reading CSV files

- * Saving in Python data

- * Loading Python data objects

- * Writing data to csv file

Module 6: Manipulating Data

- * Selecting rows/observations

- * Rounding Number

- * Selecting columns/fields

- * Merging data

- * Data aggregation

- * Data munging techniques

Module 7: Statistics Basics

- * Central Tendency

- * Probability Basics


- * Standard Deviation

- * Bias variance Trade off

- * Distance metrics

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- * Outlier analysis
- * Missing Value treatment
- * Correlation

Module 8: Error Metrics

- * Classification
- * Regression

Module 9: Machine Learning

- * Supervised Learning
- * Linear Regression
- * Logistic regression

Module 10: Unsupervised Learning

- * K-Means
- * K-Means ++
- * Hierarchical Clustering

Module 11: SVM


- * Support Vectors
- * Hyperplanes
- * 2-D Case
- * Linear Hyperplane

Module 12: SVM Kernel

- * Linear
- * Radial

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- * polynomial

Module 13: Other Machine Learning algorithms

- * K Nearest Neighbour
- * Naïve Bayes Classifier
- * Decision Tree CART
- * Decision Tree C50
- * Random Forest

Module 14: ARTIFICIAL INTELLIGENCE

- * Perceptron
- * Multi-Layer perceptron
- * Markov Decision Process
- * Logical Agent & First Order Logic
- * AL Applications

Module 15: Deep Learning Algorithms

- * CNN Convolutional Neural Network
- * RNN Recurrent Neural Network
- * ANN Artificial Neural Network

Module 16: Introduction to NLP

- * Text Pre-processing
- * Noise Removal
- * Lexicon Normalization
- * Lemmatization

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- * Stemming
- * Object Standardization

Module 17: Text to Features


- * Syntactical Parsing
- * Dependency Grammar
- * Part of Speech Tagging
- * Entity Parsing
- * Named Entity Recognition
- * Topic Modelling
- * N Grams
- * TF IDF
- * Frequency / Density Features
- * Word Embedding


Module 18: Tasks of NLP

- * Text Classification
- * Text Matching
- * Levenshtein Distance
- * Phonetic Matching
- * Flexible String Matching

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(Click on Course for more details)

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- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

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