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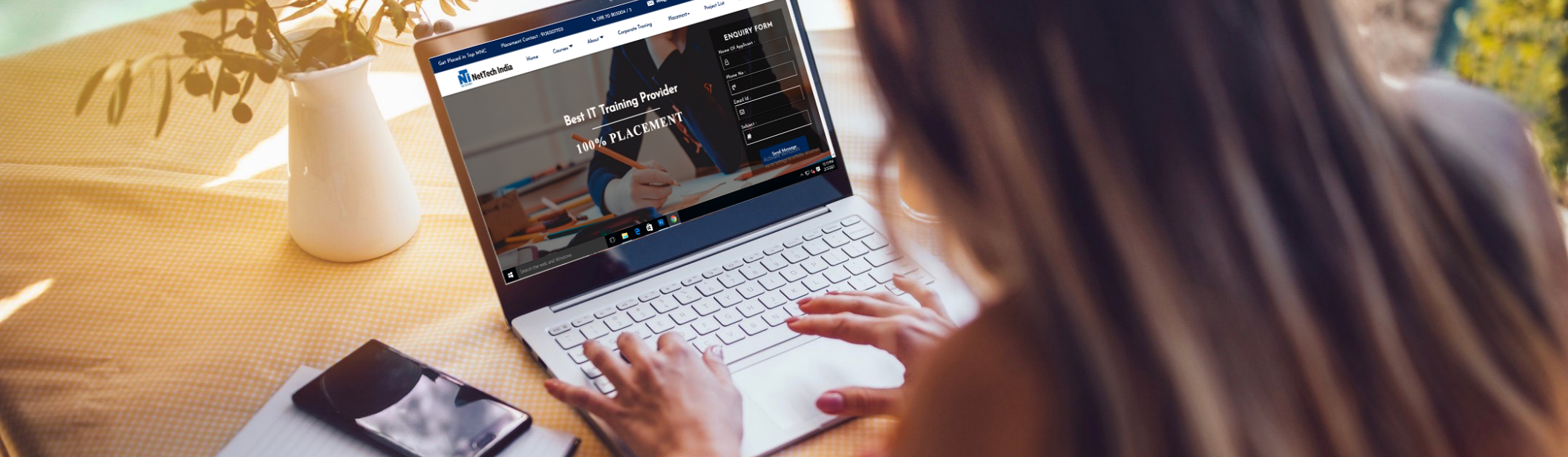
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NLP CERTIFICATION





ABOUT US

NetTech India Training Institute offers a high-quality learning experience in the field of IT training to train students on brand new technologies and train them to deliver the desired results with commercially relevant and re-organized technical skills.

The probability of achieving your dream job will keep on increasing day by day once you complete a course in NetTech India. We also focus on improving soft skills in terms of communication, leadership, teamwork, external appearance, and attitude which helps everyone to be professional in all the aspects of their career.



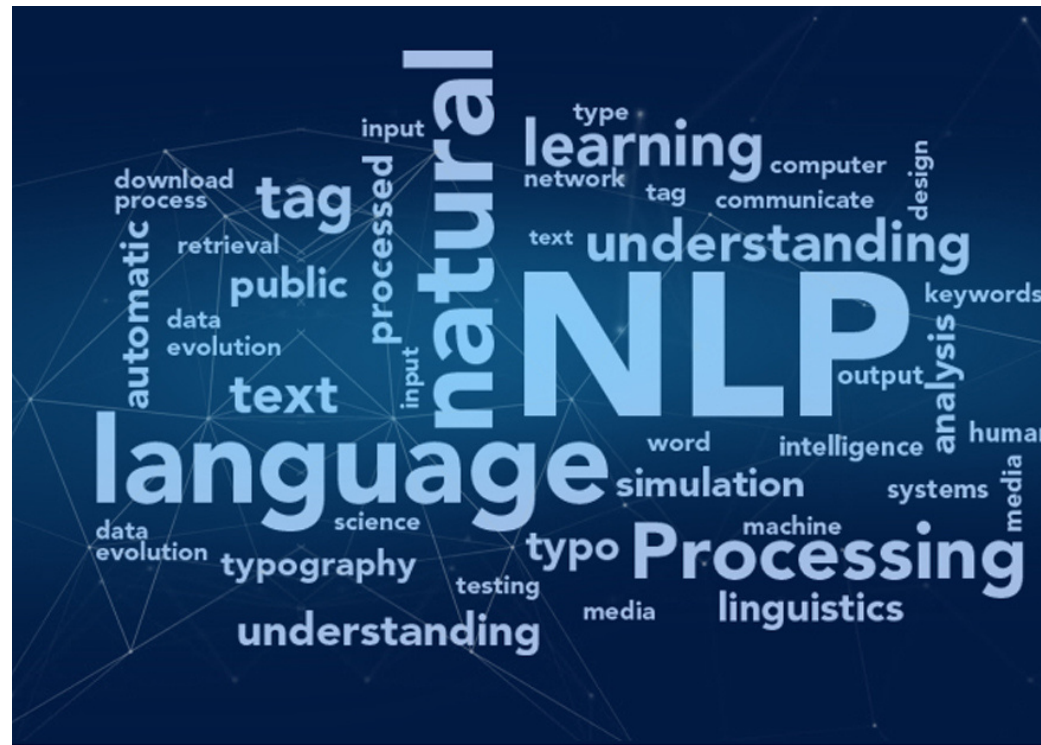
25%
Theory



75%
Practicals

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The NLP course is a part of the Microsoft Professional Program in Artificial Intelligence. NetTech India's NLP certification course is a part of the Microsoft Professional Program in Artificial Intelligence. It is one of the important technologies in the digital age. Understanding complex language is also an important part of artificial intelligence. In this NLP course, you will get an overview of Natural Language Processing and how to use classic machine learning methods. Through this NLP training, the candidate will learn about statistical machine translation and deep semantic similarity models and their applications.



BENEFITS OF NLP

- ➔ Career Growth - Higher Pay & Position
- ➔ Encourages professional development
- ➔ Enriches self-image and reputation
- ➔ Enhances professional credibility.
- ➔ Abundant Job Opportunities
- ➔ Used In Many Industries
- ➔ Global Recognition
- ➔ Secure and Flexible



COURSE CONTENT

1. Introduction to Python

- History of Python
- Why learn python
- How is Python Different?
- Installing Python

2. Python Interpreter

- Using the interpreter
- Integrated Development Environments (IDE)
- How to run Python programs?

3 Basics of Python

- Variable
- Keywords
- Statements & Comments
- Indentation
- Data types

- Static Typing vs Dynamic Typing
- Input and output
- Operators Arithmetic operator Relational Operator Assignment Operator
- Logical operator Bitwise operator Membership Operator
- Identity Operator

4. Operators

- Arithmetic operator
- Relational Operator
- Assignment Operator
- Logical operator Bitwise operator
- Membership Operator
- Identity Operator

5 Control Flow

- If statement
- If - else
- If – elif -else
- Nested if - else
- while loop
- for – in loop
- Nested for loop
- Nester while loop
- Loop with else
- Pass statement
- Break and continue

6 Functions

- Basics Defining function
- function call Return statement
- Function with parameter and without parameter
- Function parameters Call by value or call by reference
- local and global variable
- Recursion, Anonymous (lambda) function
- User define functions
- Examples

7 Modules

- Defining module
- How to create module
- Importing module
- Dir()
- Module search path
- Reloading a module
- Sys module
- Os module
- namespace

8 Package

- Defining package
- How to create a package
- Importing package
- Installing third party packages

9 Numeric types

- Numeric type basics
- Hexadecimal, Octal, and Binary Notation
- Complex Numbers
- Typecasting Numeric Functions
- Random number generation(Using Random Modules)

10 String

- Defining a string
- Different ways to create string Accessing elements of the string Escape sequence
- Raw string String methods
- String formatting Expressions

11 List

- Defining a list
- Creating list
- Accessing list elements of list
- Deleting list
- List methods
- Functions used with list
- List comprehension
- Implementation of stack and queue using list
- Use of Zip ()
- Matrix operations using list

12 TUPLE

- Creating a tuple
- Accessing elements of the tuple
- Immutability
- List vs tuples
- Tuple Methods
- Functions used with tuple
- Advantage of Tuple

- Defining a dictionary
- Creating a dictionary
- Accessing elements of the dictionary
- Deleting a dictionary
- Dictionary methods
- Dictionary Comprehension

13 Dictionary

- Defining a dictionary
- Creating a dictionary
- Accessing elements of dictionary
- Deleting a dictionary
- Dictionary methods
- Dictionary Comprehension

14 Set

- Defining a set
- Creating set
- Set operations
- Set methods
- Set comprehension

15 Files

- Defining a file
- Types of file file operations
- Opening a File
- Closing file
- File modes
- File attributes
- Writing to file
- Reading from file
- Appending to file
- File positions
- Binary file
- Pickle module

16 Exception Handling

- Defining an exception?
- Default exception handler
- Exception handling techniques
 - a. Detecting Exception (try)
 - b. Catching exceptions (catch)
 - c. Catching multiple exceptions
 - d. Raising exception (raise) Finally block

17 Object Oriented Programming

- OOPS conceptsDefining
- Class Creating object
- Method vs function Calling methods
- Instance attribute vs class attribute
- Instance method vs class method
- Private attribute and method Static Method
- Method Overloading Constructor
- Method Overriding Constructor
- List of objects Inheritance
- Eamples

18.NLP Pipeline

- Tokenization
- What is a Token?
- Regular Expressions
- Applications of Regex
- Stemming
- Lemmatization

19.Regex for Tokenization

- Tagger
- Tagged Corpus
- The Default Tagger
- Regexp Tagger
- Unigram Tagger
- Ngram Tagger
- POS TaggingInformation Extraction Architecture
- Chunking Overview
- Chunking in Coding

Exercise: Named Entity Recognition

Chinking

Stanford NLP

API Chunking and Chinking

Conclusion

More NLP Tutorials



WHO CAN LEARN ?

- Anyone who wants to build a career in Data Science
- Anyone interested in gaining knowledge about it.
- Students who are currently in college or university

CAREER OPPORTUNITIES

- NLP Engineer
- Software Developer
- NLP Application Developer
- ML Engineer
- Data Analyst
- Research Analyst
- Data Scientist

And Many More...

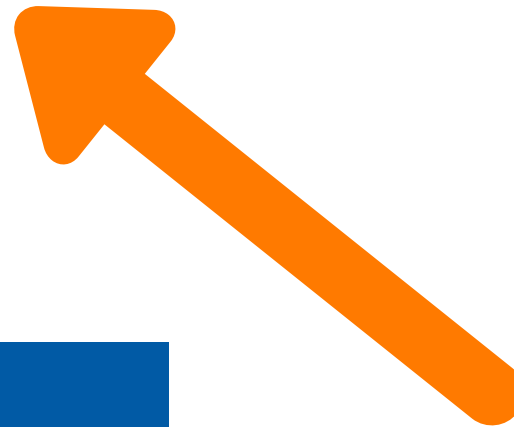


PROCESS FOR **SUCCESS**

GET PLACED

GET TRAINED

ENROLL



FACILITIES OFFERED

- ➔ Practical Training on Live Projects
- ➔ 100% Placement Guarantee
- ➔ Interview Preparation
- ➔ Global Certification
- ➔ Fully functional labs
- ➔ Online / Offline Training
- ➔ Expert level industry recognized training





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