शासकीय कंप्यूटर प्रशिक्षण बोर्ड

Shaskiya Computer Training Board

(Run By GSIDC Nagpur)



CERTIFICATE COURSE | IT & TECHNOLOGY SECTOR

Natural Language Processing (NLP)

Learn how computers process, understand and analyse human language.

DURATION	ELIGIBILITY	SUBJECTS	CERTIFICATE
6 Months	12th Pass	6	SCT Board

sctboard.in

About the Program

This six-month course introduces Natural Language Processing (NLP), a field that helps computers work with human language. Students learn about text preparation, language models and sentiment analysis, along with practical NLP work using Python. The course is intended to build foundational understanding through structured topics and project-based learning.

Learners explore how text data can be cleaned, analysed and used in language applications. The subjects move from introductory concepts to practical exercises and an NLP project. Students should be ready to practise with Python and work with text data. Course delivery and assessment arrangements can be confirmed with an SCT Board authorised study centre.

01 — **6 Subjects**
All important topics of the course together

6 Months Total
Practical lab training along with theory

02

03 — **12th Pass**
Minimum eligibility

Online Exam
Online exam and result at the end of the course

04

05 — **Board Certificate**
Marksheet and certificate, online verification

Who is this course for?

- 12th pass students
- Computer science learners
- Aspiring data enthusiasts
- Working professionals exploring NLP

Program Highlights

01
Six-Month Course
Study NLP concepts and practical topics over six months.

02
Text Processing
Learn ways to prepare and work with text data.

03
Language Models
Explore models that help computers process language.

04
Sentiment Analysis
Study how text can be analysed for expressed sentiment.

05
Python Practice
Explore NLP techniques using Python.

06
Project Learning
Apply course concepts through an NLP project.

Program Curriculum

Natural Language Processing (NLP) · 6 Months · 6 Subjects

MODULE 01

Module 1: Introduction to NLP

Subject Code: NLP101 | Theory | Marks (Pass/Max): Theory 35/100

» NLP fundamentals
» Language data
» NLP applications
» NLP workflow

MODULE 02

Module 2: Text Processing

Subject Code: NLP102 | Theory | Marks (Pass/Max): Theory 35/100

» Text cleaning
» Tokenisation
» Stop-word handling
» Stemming and lemmatisation

MODULE 03

Module 3: Language Models

Subject Code: NLP103 | Theory | Marks (Pass/Max): Theory 35/100

» Word representations
» N-grams
» Model training basics
» Language prediction

MODULE 04

Module 4: Sentiment Analysis

Subject Code: NLP104 | Theory | Marks (Pass/Max): Theory 35/100

» Sentiment concepts
» Text classification
» Feature extraction
» Model evaluation basics

MODULE 05

Module 5: NLP with Python

Subject Code: NLP105 | Theory | Marks (Pass/Max): Theory 35/100

- Python text handling
- NLP libraries
- Text analysis
- NLP workflows

MODULE 06

Module 6: NLP Project

Subject Code: NLP106 | Theory | Marks (Pass/Max): Theory 35/100

- Project planning
- Data preparation
- NLP implementation
- Results presentation

Skills & Tools

You will work hands-on with these during the course.

Text cleaning	**Tokenisation**	**Python**	**Text analysis**
Language modelling	**Sentiment analysis**	**Model evaluation**	**Project development**

Career Opportunities

After the course you can work in these fields.

NLP Assistant
May support language-data tasks in technology or research teams.

Text Data Analyst
May help analyse written data in businesses or research groups.

Junior Python Developer
May assist software teams building Python-based applications.

Data Annotation Associate
May label and organise language data for technology projects.

Sentiment Analysis Assistant
May support customer feedback analysis in marketing or service teams.

Research Project Assistant
May assist academic or industry teams with language-data projects.

Get Certified

After completing the course and passing the online exam, the Shaskiya Computer Training Board marksheet and certificate are given, which are verified on the website with a QR code.



FAQs

What is the eligibility for this course?
The suggested minimum qualification is 12th Pass. Please confirm the current admission requirements with an SCT Board authorised study centre before applying.

How long is the NLP course?
The course duration is six months. Ask the authorised study centre about the batch schedule and any related study requirements.

What is the mode of study?
Study mode and class arrangements may vary by centre. Contact an SCT Board authorised study centre to confirm available options.

How is the course exam conducted?
Assessment and examination details may depend on the course arrangements. Please check the current exam format and requirements with your authorised study centre.

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LET'S TALK

Write to us	support@sctboard.in
Visit us at	sctboard.in
Call	+919359335979
Address	G001 Shideshwar Nagar, Dighori, Nagpur, Maharashtra - 440024

For admission: sctboard.in/addmission-form