शासकीय कंप्यूटर प्रशिक्षण बोर्ड

Shaskiya Computer Training Board

(Run By GSIDC Nagpur)



CERTIFICATE COURSE | IT & TECHNOLOGY SECTOR

Python Programming

Build practical Python skills through guided learning and project work.

DURATION	ELIGIBILITY	SUBJECTS	CERTIFICATE
4 Months	10th Pass	6	SCT Board

sctboard.in

About the Program

The Python Programming course introduces students to the basics of writing and understanding Python code. Over four months, learners study programming fundamentals, data structures, file handling, web development concepts and useful Python libraries. The course also includes a Python project, giving students an opportunity to apply concepts covered in the subjects.

This course is suitable for beginners who want a structured introduction to programming. Students learn to work with common coding concepts and tools through the topics listed in the syllabus. Study arrangements and assessment details may vary by centre, so students should confirm the current schedule and requirements with an SCT Board authorised study centre.

01

6 Subjects
All important topics of the course together

4 Months Total
Practical lab training along with theory

02

03

10th 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?

- 10th / 12th pass students
- College students
- Aspiring programmers
- Working professionals

Program Highlights

01
Python Fundamentals
Learn core syntax, variables, data types and control flow.

02
Data Structures
Explore ways to organise and work with data in Python.

03
File Handling
Practise reading from and writing to files.

04
Web Development
Study introductory web development concepts using Python.

05
Python Libraries
Get familiar with selected libraries and their uses.

06
Project Work
Apply course concepts in a Python project.

Program Curriculum

Python Programming · 4 Months · 6 Subjects

MODULE 01

Module 1: Python Fundamentals
Subject Code: PY101 | Theory | Marks (Pass/Max): Theory 35/100
- » Python syntax
- » Variables and data types
- » Operators and expressions
- » Conditions and loops

MODULE 02

Module 2: Data Structures in Python
Subject Code: PY102 | Theory | Marks (Pass/Max): Theory 35/100
- » Lists and tuples
- » Sets and dictionaries
- » String operations
- » Working with collections

MODULE 03

Module 3: File Handling
Subject Code: PY103 | Theory | Marks (Pass/Max): Theory 35/100
- » Opening and closing files
- » Reading file contents
- » Writing and appending
- » File modes

MODULE 04

Module 4: Web Development with Python
Subject Code: PY104 | Theory | Marks (Pass/Max): Theory 35/100
- » Web fundamentals
- » Python web frameworks overview
- » Routes and views
- » Templates and forms

MODULE 05

Module 5: Python Libraries

Subject Code: PY105 | Theory | Marks (Pass/Max): Theory 35/100

- Importing modules
- Standard library overview
- Using third-party packages
- Library documentation

MODULE 06

Module 6: Python Project

Subject Code: PY106 | Theory | Marks (Pass/Max): Theory 35/100

- Project planning
- Program design
- Writing and testing code
- Project presentation

Skills & Tools

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

Python	**Coding**	**Problem Solving**	**Data Handling**
File Operations	**Web Basics**	**Libraries**	**Project Work**

Career Opportunities

After the course you can work in these fields.

Junior Python Programmer
May work on basic Python coding tasks in software teams.

Python Developer Trainee
May assist development teams with entry-level programming tasks.

Web Development Assistant
May support website teams with Python-related development work.

Software Testing Assistant
May help test software and record issues for development teams.

Data Support Assistant
May assist with basic data processing tasks in organisations.

Programming Lab Assistant
May support coding practice in training centres or computer labs.

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 minimum eligibility for this course?
The minimum qualification is 10th Pass. Contact an SCT Board authorised study centre to confirm the current admission requirements.

How long is the Python Programming course?
The course duration is four months. Ask your chosen authorised study centre for the current class schedule.

What is the mode of study?
Study mode and class arrangements may vary by centre. Please contact the authorised study centre you plan to join for current details.

How is the course exam conducted?
Exam format, schedule and assessment requirements should be confirmed with your authorised study centre before admission.

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LET'S TALK

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For admission: sctboard.in/addmission-form