

SELF-PACED COURSE

# Python Programming

A beginner-friendly, self-paced course that teaches Python from first program to small real-world projects, step by step.

Self-Paced Course

Start anytime

IT and Software



VIDEO LENGTH

**6 min of video**

LEVEL

**Beginner**

TOPICS

**30 video topics · 6 modules**

CREATED BY

**Venkata Ravali, Krishna Peketi, Karteek Ch**

CERTIFICATE

**Certificate of Completion**

COURSE FEE

**₹598**

₹5,998 - save 90% OFF · Pay with 299 iSure Coins · Free with Membership



## SELF-PACED COURSE BROCHURE

# Inside this brochure

Everything on the Python Programming page, in one document. Tap a section to jump to it.

|    |                                                                                     |                                                                                   |    |
|----|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----|
| 01 |    | AT A GLANCE<br><b>Course Overview</b>                                             | 03 |
| 02 |    | SIMPLE 3-STEP JOURNEY<br><b>How Self-Paced Learning Works</b>                     | 05 |
| 03 |    | BEFORE YOU ENROLL<br><b>Eligibility, Requirements &amp; Course Rules</b>          | 06 |
| 04 |    | CAREER-READY SKILLS<br><b>Skills You Will Gain</b>                                | 07 |
| 05 |  | PRODUCT ECOSYSTEM ARCHITECTURE<br><b>What You Get with This Self-Paced Course</b> | 08 |
| 06 |  | COURSE CURRICULUM<br><b>What You Will Learn</b>                                   | 10 |
| 07 |  | PLACEMENT TRAINING<br><b>Our Placement Support Services</b>                       | 16 |
| 08 |  | SUBJECT MATTER EXPERTS<br><b>Meet the Course Creators</b>                         | 18 |
| 09 |  | COURSE ENROLLMENT<br><b>Python Programming</b>                                    | 20 |
| 10 |  | HELP & LEARNER ADVISORY CENTER<br><b>Frequently Asked Questions</b>               | 22 |
| 11 |  | GET IN TOUCH<br><b>Ready to take the next step?</b>                               | 24 |

01 · AT A GLANCE



## Course Overview

A beginner-friendly, self-paced course that teaches Python from first program to small real-world projects, step by step.

This course introduces Python Programming to complete beginners. You start by setting up your tools and writing simple programs, then learn the core building blocks such as data types, decisions, loops, functions and collections.

Each module builds on the one before it. Early modules focus on thinking logically and writing clean code, while later modules cover files, errors, modules and an introduction to object-oriented programming.

By the end, you will be able to read and write basic Python programs, solve everyday problems with code, work with files and libraries, and feel ready to explore areas like data analysis, automation or web development.



VIDEO LENGTH  
**6 min of video**



LEVEL  
**Beginner**



TOPICS  
**30 video topics · 6 modules**



START  
**Anytime - instant access to every topic right after you enrol**



CREATED BY  
**Venkata Ravali, Krishna Peketi, Karteeek Ch**



LEARNERS  
**2+ Learners Enrolled · Trusted by ambitious learners nationwide**



CERTIFICATE  
**Certificate of Completion**

COURSE FEE

**₹598**

₹5,998 - save 90% OFF · Pay with 299 iSure Coins · Free with Membership

Start anytime - instant access to every topic right after you enrol.

## Highlights

### Learn at Your Own Pace

Short video topics in a focused Course Launcher - start anytime and resume where you left off.

### AI Final Assessment

10 fresh AI-written MCQs after the last topic · 15 minutes · pass mark 60%.

### Verified Certificate

A Certificate of Completion with the skills you achieved and a QR code anyone can verify. Pass the final assessment to get it.

### Insyrio SME AI Tutor (Free)

Included free: ask doubts any time and get answers only from this course's topics - 90 days from enrolment.

## 02 · SIMPLE 3-STEP JOURNEY



## How Self-Paced Learning Works

Three clear steps from your first video to a verifiable certificate - at your own pace, on any device.

01

### Step 1: Enrol & Get Instant Access

Enrol in a few clicks and open the Course Launcher straight away - every module and topic is available from day one.

✓ Instant access to every topic

✓ Focused full-screen Course Launcher

✓ Progress saved on any device

02

### Step 2: Watch Every Topic

Watch each topic in the Course Launcher. Videos play fully - no skipping ahead within a topic - and you can open topics in any order.

✓ No skipping within a video

✓ Topic descriptions, skills and files

✓ Earn iSure Coins for every topic you complete

03

### Step 3: Pass the AI Assessment & Get Certified

After the last topic, take 10 fresh AI-written MCQs. Score 60% or more to receive your Certificate of Completion.

✓ AI final assessment (10 MCQs)

✓ Certificate with your skills

✓ QR code anyone can verify

Optional next step: opt in for Placement Training and, once you complete the course, request six live placement sessions - see Placement Training below.

## 03 · BEFORE YOU ENROLL



## Eligibility, Requirements & Course Rules

Check who this course is for, what you need, and how the final assessment works before you enrol.

**BEFORE YOU START****Requirements**

- ✓ For the final assessment: a device with a working camera (live proctoring) - the assessment opens in full screen.

**Course Rules & Details**

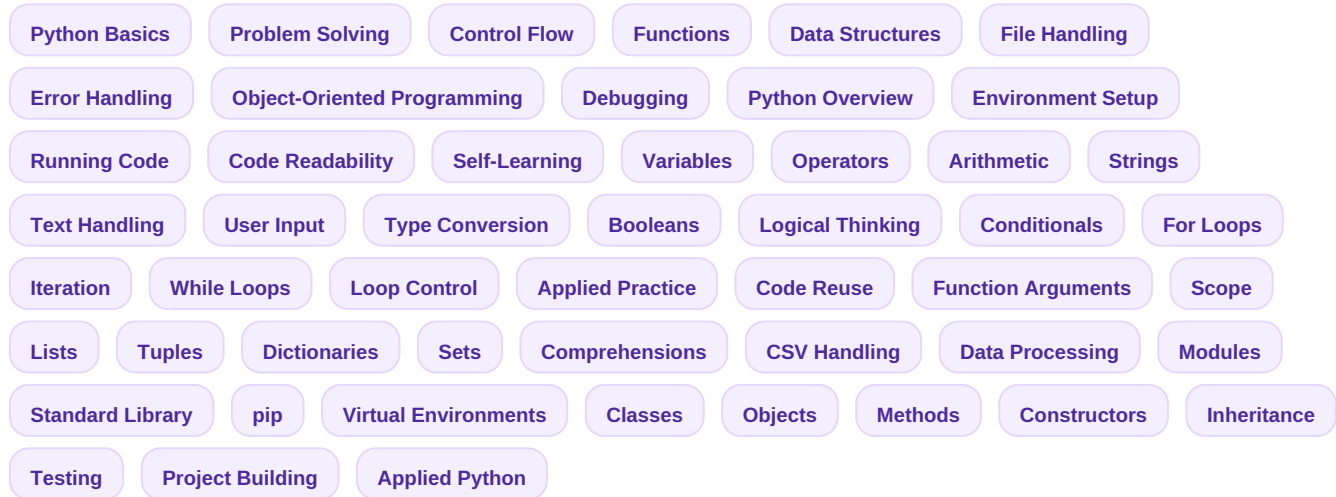
|                         |                        |                           |                                |
|-------------------------|------------------------|---------------------------|--------------------------------|
| <b>Level</b>            | Beginner               | <b>Total video length</b> | 6 min                          |
| <b>Modules · topics</b> | 6 modules · 30 topics  | <b>Final assessment</b>   | 10 AI MCQs · 15 minutes        |
| <b>Pass mark</b>        | 60%                    | <b>Attempts</b>           | 2 attempts a day               |
| <b>Proctoring</b>       | Live camera proctoring | <b>Access</b>             | Instant, right after you enrol |

## 04 · CAREER-READY SKILLS



## Skills You Will Gain

Skills covered across the topics of this course - the course skills are printed on your Certificate of Completion.



## 05 · PRODUCT ECOSYSTEM ARCHITECTURE



# What You Get with This Self-Paced Course

The Course Launcher, the AI assessment and your certificate - plus the optional extras that connect self-paced learning to the rest of Intern Stump.

## YOUR LEARNING PATH

### Watch · Complete · Assess · Certify

Every topic is tracked in the Course Launcher; the AI final assessment unlocks once all 30 topics are complete.

[Watch](#)
[Complete](#)
[Assess](#)
[Certify](#)

Pass mark 60% · 2 attempts a day

## SUBJECT MATTER EXPERT AI

### Insyrio SME AI Tutor

Not offered for this course yet.

Course-specific AI support

## WATCH REWARDS

### iSure Coins

Complete a topic for the first time and earn 1 iSure Coin per minute of video - paid once per topic.

✓ Your wallet · Pay with Coins

Exact coins shown before you confirm

## CAREER OPTION

### Placement Training

Opt in free; after completing the course, request six live sessions with our placement trainers.

✓ Live sessions: 6 steps

Placement Training Certificate

## CURRICULUM

### Recorded Video Topics

Modules of short video topics designed and recorded by the course creators.

30 topics · 6 min

## FOCUSED

### Course Launcher

A focused full-screen player with the course content, topic details and files side by side.

Resume where you left off

## FAIR PLAY

### No Skipping

Each video plays fully - skipping ahead within a topic is blocked, so every topic is really watched.

Watch time checked

## ANY ORDER

### Open Any Topic

Open topics in any order - your progress is saved topic by topic.

Progress per topic

## RESOURCES

### Topic Files

Files the creators attach to a topic can be downloaded inside the launcher by enrolled learners.

Enrolled learners only

## EXPERTS

### Course Creators

Built by Subject Matter Experts - meet them in the Subject Matter Experts section.

Verified SMEs

**AI****AI Final Assessment**

Fresh AI-written MCQs on this course, unlocked after the last topic.

10 MCQs · 15 min · pass 60%

**PROCTORED****Live Proctoring**

The assessment runs in full screen with your camera on. Video is checked on your device only - nothing is recorded.

Fair, verified results

**VERIFIED****Certificate of Completion**

Lists the skills you achieved and carries a QR code anyone can scan to verify it.

Verifiable online

**MEMBERS****Free with Membership**

Intern Stump members enrol in this course free.

Included in membership

**ANYWHERE****Learn on Any Device**

The Course Launcher works on phones, tablets and laptops - your progress follows your account.

Saved to your account

**YOUR SPACE****My Self-Paced Courses**

All your self-paced courses, progress and certificates in one place.

One dashboard

## 06 · COURSE CURRICULUM



# What You Will Learn

A carefully sequenced curriculum - every module breaks into short video topics. Open any topic in any order; each video plays fully, and the final assessment unlocks once every topic is completed.

6

MODULES

30

TOPICS

6 min

VIDEO LENGTH

10

MCQS

01

## MODULE 1

## Getting Started with Python

5 topics · 1 min

T1.1

### What is Python and Where It Is Used

0:11

Understand what Python is and why it is popular. See common uses such as automation, data and web development.

Video topic · 1 min

PYTHON OVERVIEW

T1.2

### Installing Python and Setting Up an Editor

0:11

Install Python and set up a code editor. Learn how to check that your setup works.

Video topic · 1 min

ENVIRONMENT SETUP

T1.3

### Writing and Running Your First Program

0:11

Write a simple print program and run it. Learn how Python executes code line by line.

Video topic · 1 min

RUNNING CODE

PYTHON BASICS

T1.4

### Comments and Good Code Style

0:11

Learn how to add comments and follow readable naming and indentation habits. Clean style makes code easier to maintain.

Video topic · 1 min

CODE READABILITY

T1.5

### Using the Interactive Shell and Getting Help

0:11

Try quick experiments in the shell. Learn to use help tools and documentation when you are stuck.

Video topic · 1 min

SELF-LEARNING

DEBUGGING

02

## MODULE 2

## Variables, Data Types and Operators

5 topics · 1 min

T2.1

### Variables and Naming Rules

0:11

Store values in variables and learn the rules for naming them. Understand that Python variables can change value.

Video topic · 1 min

VARIABLES

T2.2

### Numbers and Arithmetic Operators

0:11

Work with integers and decimals using arithmetic operators. Learn operator order and common pitfalls.

Video topic · 1 min

OPERATORS

ARITHMETIC

T2.3

### Strings and Common String Methods

0:11

Create and format strings, and use methods like upper, split and replace. Learn indexing and slicing basics.

Video topic · 1 min

STRINGS

TEXT HANDLING

T2.4

### Taking User Input and Type Conversion

0:11

Read input from the user and convert between text and numbers. Note that input always arrives as a string.

Video topic · 1 min

USER INPUT

TYPE CONVERSION

T2.5

### Booleans and Comparison Operators

0:11

Learn True and False values and how to compare data. Combine conditions with and, or and not.

Video topic · 1 min

BOOLEANS

LOGICAL THINKING

03

## MODULE 3

## Control Flow: Decisions and Loops

5 topics · 1 min

T3.1

### If, Elif and Else Statements

0:11

Make programs choose between actions based on conditions. Pay attention to indentation, which defines code blocks.

Video topic · 1 min

CONDITIONALS

T3.2

### Nested Conditions and Simple Logic Building

0:11

Combine and nest conditions to handle more complex cases. Practise breaking a problem into clear steps.

Video topic · 1 min

PROBLEM SOLVING

T3.3

### For Loops and the Range Function

0:11

Repeat actions using for loops and range. Learn to loop over sequences like strings and lists.

Video topic · 1 min

FOR LOOPS

ITERATION

T3.4

### While Loops, Break and Continue

0:11

Use while loops when the number of repeats is unknown. Control loops with break and continue and avoid infinite loops.

Video topic · 1 min

WHILE LOOPS

LOOP CONTROL

T3.5

### Practice: Small Programs with Loops and Decisions

0:11

Build small programs such as a number guessing game and a multiplication table. Combine everything learned so far.

Video topic · 1 min

APPLIED PRACTICE

04

MODULE 4

## Functions and Data Structures

5 topics · 1 min

T4.1

### Defining and Calling Functions

0:11

Create reusable blocks of code with def. Learn about parameters and return values.

Video topic · 1 min

FUNCTIONS

CODE REUSE

T4.2

### Default Arguments and Variable Scope

0:11

Use default and keyword arguments. Understand local and global scope and why it matters.

Video topic · 1 min

FUNCTION ARGUMENTS

SCOPE

T4.3

### Lists and Tuples

0:11

Store ordered collections of items. Learn adding, removing, slicing and the difference between mutable and immutable types.

Video topic · 1 min

LISTS

TUPLES

T4.4

**Dictionaries and Sets**

0:11

Store data as key-value pairs and unique items. Learn lookups, updates and common methods.

Video topic · 1 min

DICTIONARIES

SETS

T4.5

**List Comprehensions and Choosing the Right Structure**

0:11

Write compact loops with list comprehensions. Learn how to pick between lists, tuples, dictionaries and sets.

Video topic · 1 min

COMPREHENSIONS

DATA STRUCTURES

05

**MODULE 5****Files, Errors and Modules**

5 topics · 1 min

T5.1

**Reading from and Writing to Text Files**

0:11

Open, read and write files safely using the with statement. Learn file modes and why closing files matters.

Video topic · 1 min

FILE HANDLING

T5.2

**Working with CSV Files**

0:11

Read and write simple tabular data using the csv module. See how this helps with everyday data tasks.

Video topic · 1 min

CSV HANDLING

DATA PROCESSING

T5.3

**Handling Errors with Try and Except**

0:11

Catch and handle common errors so programs do not crash. Learn about finally and raising your own errors.

Video topic · 1 min

ERROR HANDLING

T5.4

**Importing Modules and the Standard Library**

0:11

Use built-in modules such as math, random and datetime. Learn different ways to import code.

Video topic · 1 min

MODULES

STANDARD LIBRARY

T5.5

**Installing Packages with pip and Using Virtual Environments**

0:11

Install third-party packages with pip. Learn why virtual environments keep projects separate and tidy.

Video topic · 1 min

PIP

VIRTUAL ENVIRONMENTS

06

## MODULE 6

## Object-Oriented Basics and Mini Project

5 topics · 1 min

T6.1

### Classes and Objects

0:11

Understand classes as blueprints and objects as instances. Create a simple class with attributes.

Video topic · 1 min

CLASSES

OBJECTS

T6.2

### Methods and the Init Constructor

0:11

Add behaviour to classes with methods. Use the init method to set up objects and understand self.

Video topic · 1 min

METHODS

CONSTRUCTORS

T6.3

### Inheritance and Reusing Code

0:11

Create new classes based on existing ones. Learn how to override methods and when inheritance is useful.

Video topic · 1 min

INHERITANCE

T6.4

### Debugging and Testing Your Code

0:11

Find bugs using print statements, error messages and simple tests. Build the habit of checking your work.

Video topic · 1 min

DEBUGGING

TESTING

T6.5

### Mini Project: Building a Simple Python Application

0:11

Plan and build a small project such as a contact book or expense tracker. Use functions, collections, files and classes together.

Video topic · 1 min

PROJECT BUILDING

APPLIED PYTHON

AI

## FINAL ASSESSMENT

## AI-generated MCQ assessment & Certificate of Completion

10 MCQs · 15 min · pass 60%

1

Unlocks after you complete every topic.

2

10 fresh AI-written MCQs on what this course teaches - 15 minutes.

3

Score 60% or more to pass · 2 attempts a day.

4

Live camera proctoring: full screen with your camera on (checked on your device only).

5

**Pass to receive your Certificate of Completion.**

## 07 · PLACEMENT TRAINING



## Our Placement Support Services

Opt in for Placement Training when you enrol (or later from the Course Launcher). Once you complete the course - every topic and the final assessment - request Placement Training and our placement trainers take you through these six live sessions one by one. Finish all six to earn the Placement Training Completion Certificate.

01

### Complete the course

Every topic + pass the final assessment

02

### Request Placement Training

From the Course Launcher or My self-paced courses

03

### 6 sessions, one by one

Each step is scheduled after the previous one is done

## STEP 1 OF 6 · LIVE SESSION

### 1:1 Mock Interview

A live one-to-one mock interview with an industry expert, followed by honest feedback on your answers, confidence and presence.

- ✓ Technical & HR round simulation
- ✓ Questions from your course domain
- ✓ Body language & confidence pointers
- ✓ Personal improvement checklist

1:1 Live

Online

Feedback

After course completion · live with a placement trainer

## STEP 2 OF 6 · EXPERT REVIEW

### Resume Optimization

Your resume reviewed line by line and reshaped into a clear, ATS-friendly profile that highlights your projects and skills.

- ✓ Structure & format review
- ✓ Impact-focused bullet points
- ✓ Course projects showcased
- ✓ Keywords for your target roles

ATS-Ready

Projects

Rewrite

After course completion · live with a placement trainer

#### STEP 3 OF 6 · PROFILE MAKEOVER

### LinkedIn Optimization

Headline, About, skills and featured work tuned so recruiters can find you and quickly see what you can do.

- ✓ Headline & About section
- ✓ Skills & endorsements plan
- ✓ Featured projects & certificates
- ✓ Networking & outreach tips

Discoverable

Skills

Network

After course completion · live with a placement trainer

#### STEP 4 OF 6 · INDUSTRY-LED

### Career-Led Workshop

A practical workshop on job search strategy, applications, interviews and how hiring works in your domain.

- ✓ Finding the right openings
- ✓ Applications that get replies
- ✓ Interview rounds explained
- ✓ Offer & joining essentials

Job Search

Live

Hiring Process

After course completion · live with a placement trainer

#### STEP 5 OF 6 · MENTOR-LED

### Career-Led Mentorship

Personal guidance from an industry mentor on roles, growth paths and your next career moves.

- ✓ Role & domain fit discussion
- ✓ Personal career roadmap
- ✓ Skill gaps to close next
- ✓ Answers to your career questions

1:1 Mentor

Career Path

Growth

After course completion · live with a placement trainer

#### STEP 6 OF 6 · COMMUNICATION

### Industrial Communication Training

Workplace communication that employers expect: emails, meetings, presentations and professional etiquette.

- ✓ Professional emails & messages
- ✓ Meetings & stand-up updates
- ✓ Presenting your work clearly
- ✓ Workplace etiquette & teamwork

Emails

Speaking

Workplace

After course completion · live with a placement trainer

### Placement Training Completion Certificate

Complete all six sessions to receive a verifiable certificate listing every training you finished - share it with recruiters along with your course certificate.

## 08 · SUBJECT MATTER EXPERTS



## Meet the Course Creators

The experts who designed and recorded this course, bringing real-world industry knowledge and practical experience.



COURSE CREATOR · SENIOR SME

### Venkata Ravali

#### Product Specialist

Telebu formerly SMS Country · Subject Matter Expert

Steering SME partnership strategies, platform growth models, and institutional business expansion initiatives.

Leading product strategy and development initiatives, with a primary focus on product specialization, feature planning, user experience enhancement, and market alignment. Supporting SME partnership strategies, platform growth models, and institutional business expansion to strengthen product adoption and drive sustainable business growth.



COURSE CREATOR · SENIOR SME

### Krishna Peketi

#### Data Analyst

Amazon · Subject Matter Expert

Analyzing organizational data, generating insights, and developing institutional reports to support informed business decisions.

Analyzing datasets, identifying trends, and transforming complex data into actionable insights. Developing dashboards, preparing analytical reports, and supporting data-driven decision-making to improve business performance, operational efficiency, and strategic planning across organizational functions.

**COURSE CREATOR · SENIOR SME**

## Karteek Ch

### Associate

Tata Consultancy Services · Subject Matter Expert

Technology professional, mentor, and engineer specializing in Oracle, AI, IoT, and emerging technologies.

Technology professional and TCS Engineer specializing in Oracle, Java, Python, AI, and IoT. An experienced Subject Matter Expert and Mentor at Intern Stump, passionate about practical learning, emerging technologies, and industry-ready student development.

## 09 · COURSE ENROLLMENT



# Python Programming

A beginner-friendly, self-paced course that teaches Python from first program to small real-world projects, step by step.

## Course Highlights & Details

Everything included when you enrol - the Course Launcher, the AI final assessment and your verifiable certificate.

|                         |                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Format</b>           | 6 modules · 30 video topics · 6 min - watch in the Course Launcher at your own pace<br>- no skipping ahead within a video. |
| <b>Final Assessment</b> | 10 AI MCQs · 15 min · pass 60% - 2 attempts a day · live camera proctoring. Unlocks after the last topic.                  |
| <b>Certificate</b>      | Certificate of Completion - with the skills you achieved and a QR code anyone can verify.                                  |
| <b>Learner Guidance</b> | Questions about this course or the assessment? Read the FAQs or talk to our consultant.                                    |

COURSE FEE · #IS-SP-0002

**₹598** ~~₹5,998~~ **90% OFF**

Pay with 299 iSure Coins

Free with Membership

## What's Included

- ✓ Every module and topic in the Course Launcher
- ✓ AI final assessment (10 MCQs)
- ✓ Verifiable Certificate of Completion
- ✓ Optional Placement Training after completion (free opt-in)

|                           |                          |
|---------------------------|--------------------------|
| <b>Start</b>              | Anytime - instant access |
| <b>Total video length</b> | 6 min                    |

**Level**

Beginner

Add Placement Training (free) at checkout. Paid in iSure Coins · the exact coins are shown before you confirm.



## Frequently Asked Questions

Answers about the Course Launcher, the assessment, certificates and Placement Training - or connect directly with an academic consultant.

### Q1 How does the Course Launcher work?

After you enrol, open the course from My self-paced courses. The Course Launcher shows the modules and topics on one side and the video, topic description, skills and files on the other. You can open topics in any order, and your progress is saved so you can resume on any device.

### Q2 Can I skip ahead in a video?

No. Each topic's video plays fully - skipping ahead within a video is blocked, and a topic is marked completed only after you have watched it. You can rewatch completed topics any time.

### Q3 When does the final assessment unlock?

Once every topic is completed. It has 10 fresh AI-written multiple-choice questions on what this course teaches, a 15-minute timer and a pass mark of 60%. You get 2 attempts a day.

### Q4 Is the assessment proctored?

Yes - live camera proctoring. Allow your camera before you start; your face must stay clearly visible, no other person may be in view and no other device may be visible. The assessment opens in full screen; leaving it or switching tabs or apps is malpractice (1 warning, then you are dismissed). Video is checked on your device only - nothing is recorded or stored.

### Q5 What certificate do I get?

Pass the final assessment to receive a Certificate of Completion with your name, LMS ID, score, the skills you achieved and a QR code. Anyone can verify it on our Verify page with the certificate number.

### Q6 How do watch rewards work?

The first time you complete a topic you earn 1 iSure Coin per minute of video (topic length rounded to the nearest minute), paid once per topic. Up to 0 iSure Coins for this course.

### Q7 Is this course free with membership?

Yes. With an active Intern Stump membership you enrol in this course free. The optional Insyrio add-on is still paid separately.

**Q8 How do I pay?**

Enrolment is paid with iSure Coins from your wallet. The price is shown in rupees with the exact iSure Coins; before you confirm you see exactly how many coins will be debited. If your balance is short, you can recharge and come back to enrol.

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**Q9 How does Placement Training work for a self-paced course?**

Tick "Add Placement Training" when you enrol, or opt in later from the Course Launcher (it is free). After you complete the course - every topic and the final assessment passed - click "Request Placement Training". A placement trainer then schedules six live sessions one by one (mock interview, resume, LinkedIn, workshop, mentorship, communication). Complete all six to get the Placement Training Completion Certificate.

---

**Q10 Can I get a refund?**

iSure Coin purchases are covered by our Refund Policy: coin packs are non-refundable once credited, except when you were charged but not credited, charged twice, or charged a different amount. For any payment issue, contact us within 7 days of the payment. The full Refund Policy is on our website.

---

# Ready to take the next step?

Python Programming · Self-Paced Course



**Scan to view details & enrol**

[internstump.com/self-paced/python-programming](https://internstump.com/self-paced/python-programming)



WEBSITE

[internstump.com](https://internstump.com)



EMAIL

[info@internstump.com](mailto:info@internstump.com)



CALL / WHATSAPP

**+91 7396168247**



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