SCHOOL OF INFORMATION TECHNOLOGY · PROGRAMME BRIEF

Professional Certificate in Python Programming

professional-certificate | Online | English & Tamil | 3 Months

Scan for course page

1 Programme Overview

PROGRAMME

Programme Name	Professional Certificate in Python Programming
Institution	School of Information Technology
Duration	3 Months
Level & Credits	N/A
Evaluation	Assessment Based
Delivery Mode	Online
Medium	English & Tamil
Class Time	Weekly 2 Classes (Night)
Class Recordings	Available (T&C Applied)
Study Materials	Available (T&C Applied)
Internship	Not Offered
Awarding Body	OFQUAL Bodies
Recognition	Globally Recognised

2 About This Programme

PROGRAMME

The Professional Certificate in Python Programming is a comprehensive, career-focused programme designed to develop practical programming, data analytics, automation and artificial intelligence skills using one of the world's most in-demand programming languages.

This programme takes learners from the foundations of Python programming through advanced concepts including data analysis, visualization, automation, and machine learning applications. Students will gain hands-on experience in problem-solving, software development, data handling, predictive analytics and AI-driven solutions while working on practical exercises and real-world projects. Delivered online in both English and Tamil, the programme is ideal for school leavers, undergraduates, working professionals, entrepreneurs and anyone seeking to build future-ready digital skills. The flexible evening schedule, combined with recorded sessions and learning resources, enables students to learn at their own pace while balancing personal and professional commitments. By the end of the programme, learners will have developed a professional project portfolio, gained exposure to industry-standard tools such as NumPy, Pandas, Scikit-Learn, and GitHub and acquired the confidence to pursue opportunities in Python development, data analytics, automation solutions, freelancing and emerging AI-related careers.

3 Entry Requirements

PROGRAMME

PATHWAY 1

O/L 5 Passes

PATHWAY 2

RQF2 / QES2

PATHWAY 3

Relevant Skills / Experience

Meet any one of the pathways above to qualify.

4 Programme Modules

PROGRAMME

M01 **Foundations of Python Programming**

Python Basics, Variables, Data Types, Input/Output, Environment Setup

M02 **Computational Thinking and Problem Solving**

Programming Logic, Operators, Conditional Statements, Problem Solving

M03 **Data Structures and Information Management**

Lists, Tuples, Dictionaries, Sets, Data Organization

M04 **Functional and Modular Programming**

Functions, Parameters, Modular Programming, Code Reusability

M05 **File Processing and Data Handling**

File Operations, CSV Handling, Data Storage, Validation

M06 **Data Analytics with Python**

NumPy, Pandas, Data Manipulation, Data Exploration

M07 **Data Visualization and Reporting**

Charts, Graphs, Data Interpretation, Reporting

M08 **Automation and Productivity Solutions**

Task Automation, File Automation, Process Optimization

M09 **Foundations of Artificial Intelligence and Machine Learning**

AI Concepts, Machine Learning, Supervised & Unsupervised Learning

M10 **Predictive Analytics and Machine Learning Applications**

Scikit-Learn, Prediction Models, Classification, Evaluation

M11 **Applied Software Development Project**

Planning, Development, Testing, Project Presentation

M12 **Professional Portfolio Development and Career Readiness**

Portfolio, GitHub, Career Opportunities, Professional Development

5 Skills You'll Gain

PROGRAMME

Python Programming | Data Analysis | Automation | Machine Learning | Data Visualisation | Software Development

6 Registration Process

PROGRAMME

1. **Consultation**
   Contact the enrolment team
2. **Offer Confirmation**
   Courses & gifts confirmed (if any)
3. **Payment**
   Make payment & share the slip
4. **Application**
   Submit application forms
5. **Onboarding**
   Receive LMS access & begin learning

7 Bank Details

PROGRAMME

Bank	HNB
Account No.	010020503102
Account Name	Harwest International Business College (Pvt) Ltd
Branch	Anuradhapura
SWIFT	HBLILKLX

8 Who Is This For?

PROGRAMME

After A/L	After Advanced Level
Higher Education Students	Diploma, HND, Degree Students
Working Professionals	Government / Private
Freelancers / Entrepreneurs	
IT Enthusiasts & Beginners	
Beginners Interested in Programming	

9 Your Instructors

PROGRAMME

ARZATH AREEFF — LECTURER

Frequently Asked Questions

NEED ANY PREVIOUS PROGRAMMING KNOWLEDGE TO JOIN THIS PROGRAMME?

This programme is designed for beginners. All programming concepts are taught from the fundamentals.

NEED A LAPTOP OR COMPUTER?

A laptop or desktop computer is recommended to install Python and complete practical coding exercises.

IS PYTHON USEFUL FOR GETTING A JOB?

Python is one of the world's most in-demand programming languages and is widely used in software development, automation, web development, AI, data science, and cybersecurity.

CAN I WORK AS A FREELANCER AFTER COMPLETING THIS PROGRAMME?

Python skills can help you work on freelance software development, automation scripts, web applications, APIs, and other programming projects.

DO YOU PROVIDE A PHYSICAL CERTIFICATE AFTER COMPLETION?

Yes. Upon successful completion, students receive a digital e-certificate (complimentary) and a printed certificate (available for a small fee). Certificates are issued by the relevant UK or international awarding body.

WHAT ENTRY REQUIREMENTS ARE NEEDED TO JOIN HARWEST?

For most programmes, you need a minimum of O/L qualifications or equivalent. Some advanced programmes may require A/L or a prior diploma. Our enrollment team can advise based on your background.

HOW LONG DOES IT TAKE TO COMPLETE A DIPLOMA PROGRAMME?

Diploma programmes typically take 6 months to complete. Foundation programmes are 3 months and HND programmes are 12 months. Duration may vary slightly depending on the specific programme.

HOW CAN I VERIFY A HARWEST CERTIFICATE?

You can submit a certificate verification request through our Certificate Verification page. Our team will verify and respond within 24 hours.

DOES HARWEST OFFER JOB PLACEMENT ASSISTANCE?

Yes. Through our School of Language & Career Development, we provide career guidance, CV writing workshops, interview preparation and connections with industry partners.

Harwest International Business College

Tel: +94 67 222 2727 · learn@hibc.edu.lk

Course page

ADMISSIONS OFFICER

Ms. Adeena

+94701212125

WhatsApp: +94701212125