



EXPLOR

ADVANCED PYTHON
PROSPECTUS

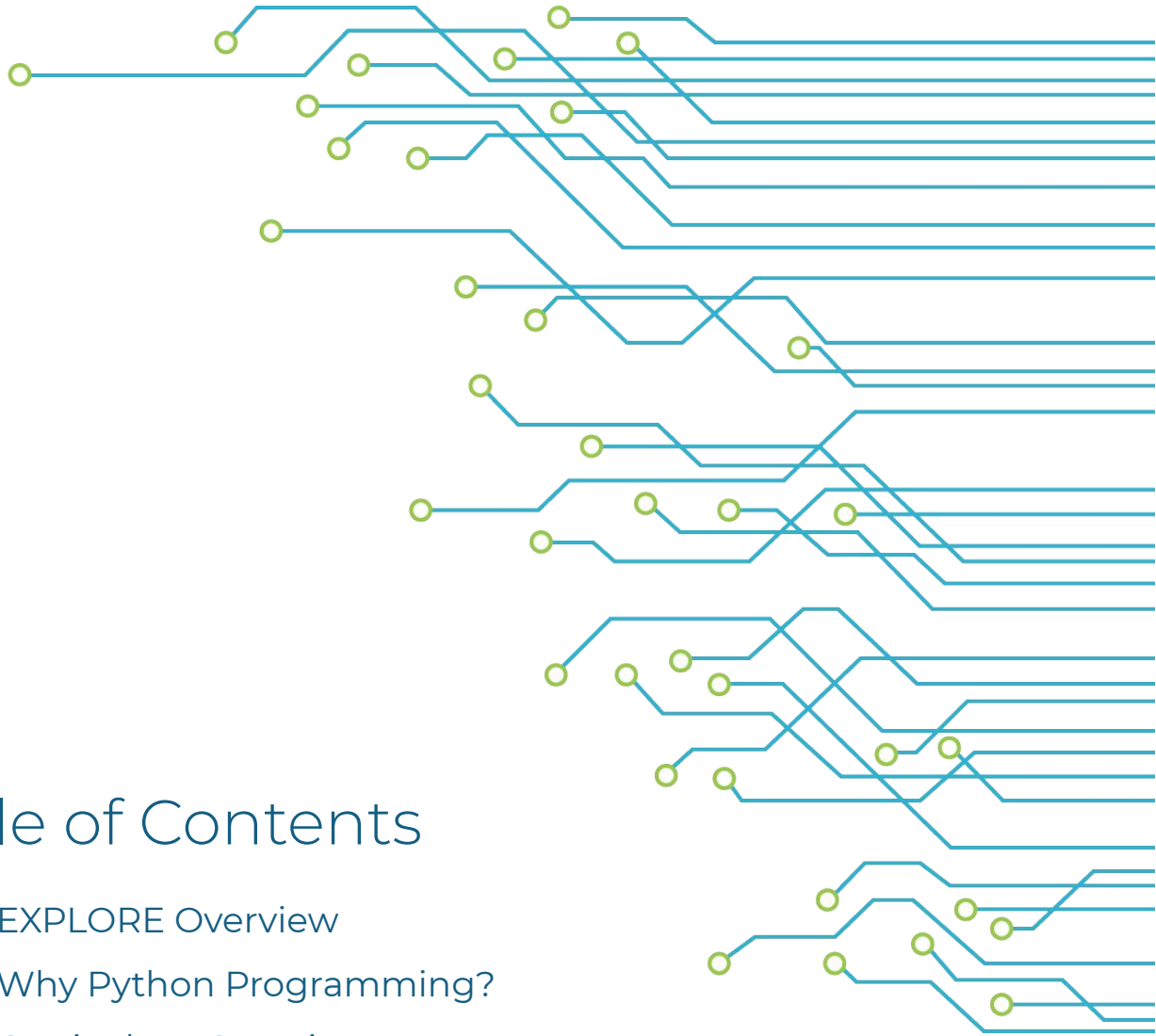


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EXPLORE Overview



EXPLORE is a next generation Learning Institution that teaches students the skills of the future. From Data Science to Data Engineering to Machine Learning to Deep Learning we deliver cutting edge courses to satisfy your hunger to

learn. Our Programmes are built by an amazing Faculty - we employ some of the world's most talented Scientists who have experience solving difficult problems on a global stage.

Our philosophy is to teach our students how to solve problems in the real world. We emphasise team-work, collaboration and working within constraints, under pressure, with deadlines while understanding context, audience and implementation challenges. We are not a theoretical institution (although we cover the theory) - we are a 'practical, hands-on, roll-up-your-sleeves and get stuff done' kind of institution. As real-world Scientists who have delivered impact in the world of work we're well positioned to deliver these skills.

EXPLORE launched during 2013 and since then has taught 1,000's of students and solved many problems for businesses across multiple Industries across the world. We're reinventing education and invite you to join us to change things for the better.

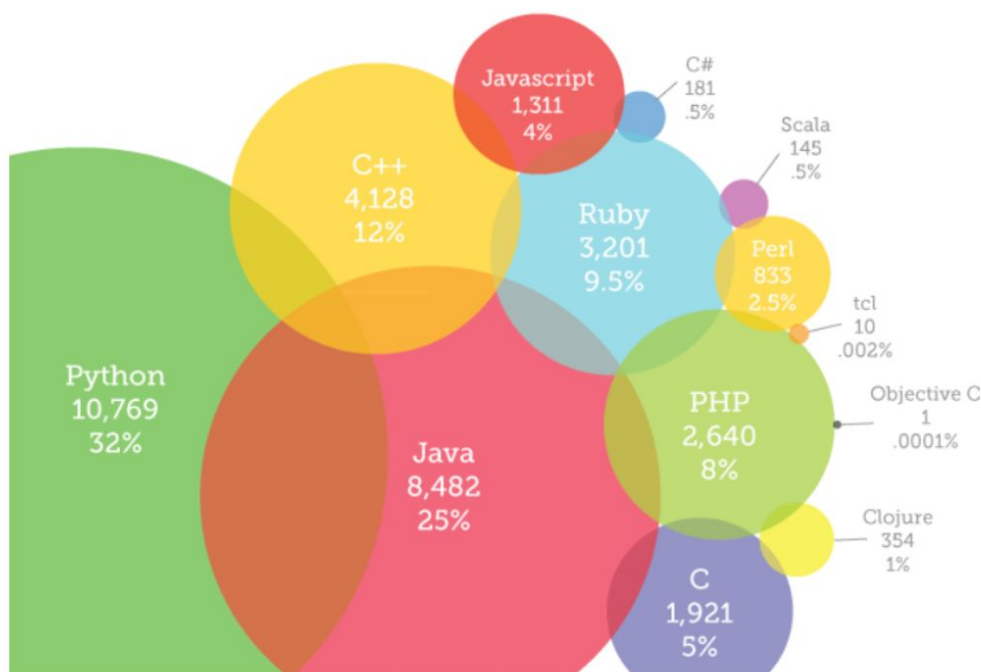
Why Python Programming?

Programming is important for speeding up processes as well as to automate, collect, manage, calculate, analyse processing of data and information accurately. People should program because it develops structured and creative thinking, and teaches persistence.

Python is one of the best languages to learn for the following reasons:

- One of the easiest programming languages to learn.
- It's open source with a lot of documentation and online help.
- It's used by many big companies such as Google and Netflix.
- It's free.

Most Popular Programming Languages



Curriculum

Advanced Python

Duration: 3 months

Recommended Time: 60 hours

Tools Learnt:  python™

What is covered in the course:

Python Fundamentals

Python programming basics

- Installing Jupyter environment
- Pseudo code and debugging concepts
- Interactive vs scripting mode
- Working with primitive data types - variables, strings, integers, floating points, booleans

Logic and functions

- Conditional statements - IF and ELSE IF
- Working with lists
- For loops and while loops
- Break | Continue principles
- Creating and working with functions

Python Data Structures

Data types

- Working with Strings, Numbers, Booleans
- Lists and Tuples Semantics
- Working with Comparisons
- Working with Statements

Dataframes and using libraries

- Sets and Dictionaries Semantics
- Working with Comparisons
- Importing Data - using Numpy and Pandas libraries
- Working with Data Frames

EXPLORE Philosophy: Solving problems in the real world

At EXPLORE we focus on building our student's ability to solve problems in the real world. Building things that work and make a difference is hard - that's what we teach.

We're not a traditional learning institution that spends weeks teaching matrix multiplication on a whiteboard (although understanding that is useful) - we're a practical, solution-orientated institution that teaches our students to work in teams, under pressure, with deadlines while understanding context, constraints and the audience.

Our courses are typically broken into Sprints where we teach a core set of concepts within the framework of solving a problem in a team with a tight deadline.



Students cycle from Sprint to Sprint solving different problems in different teams as they build this core muscle over the course.



Contact Information

For any **admissions related enquiries** mail us on:
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