



**S.P. Mandali's**

**R. A. Podar College of Commerce & Economics (Autonomous)**

under the aid of

**Rashtriya Uchcharat Shiksha Abhiyan (RUSA)**

is organising a **FREE ONLINE TRAINING PROGRAM** on

**Python for Data analytics and Business Intelligence**

*By Develearn Technologies*

- All the students are encouraged to avail of this opportunity.

### About the course

Python is an object-oriented high-level programming language with applications in many areas including data science, web development, automation and artificial intelligence.

Python has gained a lot of popularity recently. Easy readability, large standard library, support for multiple paradigms and its ability to create cutting edge programs with fewer lines of code, have been the main reasons for its widespread adoption.

In 2018, Python rose to take the #1 spot for the most popular programming language in the world.

Python programming is intended for budding software engineers, IT students, data analysts. Even Commerce students can benefit from learning this language as it has uses in fields of Accounts, Statistics and even Economics.

Today all small and large employers are looking for engineers who can code in Python.



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**Organizing a FREE**

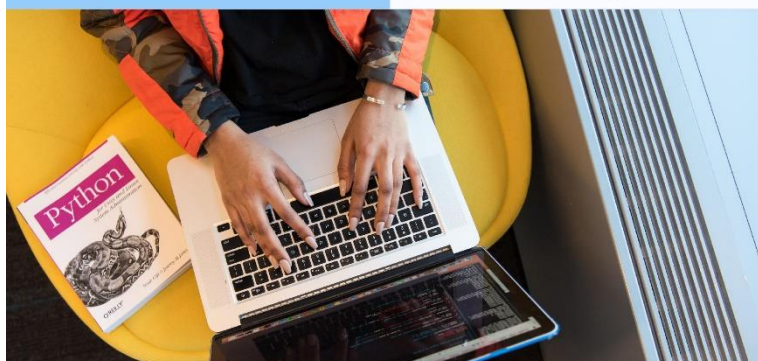
**Online Training Program on**

**Python for Data Analytics and Business Intelligence**

*by Develearn Technologies*

Orientation Session link:

[https://youtu.be/FvBz\\_lO5MGA?t=196](https://youtu.be/FvBz_lO5MGA?t=196)



**ONLINE PLATFORM**



Google Classroom

**REGISTRATIONS OPEN TILL  
1 ST JULY 2021**

**Registration Link**

<https://forms.gle/VUNJMnRcNuRWDMhv5>

## COURSE DETAILS

### Date

2nd July 2021 to 5th August 2021

### Days

Monday to Saturday

### Time

Slot-1 (Batch A):

1 PM to 3 PM

Slot-2 (Batch B):

4 PM to 6 PM

### Total Sessions (60 hrs)

30 Sessions (each Session 2hr)

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n(b,d){this.options=a.extend({},c.DEFAULT
s)).on("click.bs.affix.data-api",a.proxy(
checkPosition()));c.VERSION="3.3.7",c.RES
is.$target.scrollTop(),f=this.$element.of
ll=c?!(e+this.unpin<=f.top)&&"bottom":!(
d&"bottom"},c.prototype.getPinnedOffset
this.$target.scrollTop(),b=this.$element
out(a.proxy(this.checkPosition))
```

For more info Contact us on  
contact@develearn.in



## REGISTRATION DETAILS

Registration is FREE for all Students/Faculty Members/ Research Scholars/ PhD Candidates of R.A. Podar College.

(ALL STREAMS)

### NOTE

- Certificate will only be provided to registered participants
- Attendance is mandatory for all lectures
- Limited seats available (200)  
First-come First-serve basis

## TOPICS TO BE COVERED:

### Module 1

Python Fundamentals & Essential tools

### Module 2

Functions, Object Oriented programming, Error handling

### Module 3

Advanced Libraries

## EVALUATION:

1) Overall evaluation score out of 150 marks. Consisting of 100 Internal & 50 External marks.

2) Final examination of 50 marks

3) Total score = (Internal x 0.5) + (External x 1)

## Course Conduction

### Teaching methodology

• The course shall be conducted online where each batch of students shall get access to their very own online dashboard once they are registered.

• The study material shall be made available through this dashboard and the student can access it at any point during the course or in the future.

• Develearn shall conduct live teaching sessions including instruction of theory and live hands-on practice through streaming apps included in the online dashboard.

• The students shall be provided with regular assignments at the end of each live session.

### Course Logistics

- Total teaching time: 60 hours
- Number of live sessions: 29
- Breakdown of a live session: Total time - 2 hours  
Scheduled topic instruction: 60%  
Live programming/practice time: 40%  
Doubt solving & assignments: 10%

• Sessions shall be held from Monday to Saturday.

### Evaluations and Certificate

• The students' final grade shall be based on sum of Internal & external components.

Internal component: Attendance + Assignments  
External component: Final test.

• The certificate will be a joint certificate between the College & Develearn with the accreditation of RUSA.

## Module 1

### Python Fundamentals & Essential tools

- Start with basic programming structures and execute your first program.
- Understand data structures and collections.
- Learn how to get input from users and type casting with different type conversion functions.
- Learn operators and uses.
- Learn collection in detail with uses.
- Learn string manipulation and dictionary.
- Learn how to make decision and perform conditional programming and Loops.

## Module 2

### Functions, Object Oriented programming, Error handling

- Learn how to group together command to perform specific task.
- Uses of function and type of parameter.
- Learn how to convert function in expression using Lambda and different uses of Lambda.
- Learn Object Oriented concepts with real world examples.
- Learn how to secure object and their properties.
- Learn how to control errors and manage error free code to perform smooth task. Also learn how read, write, and update text file.
- Learn how to send emails using python.

## Module 3

### Advanced Libraries

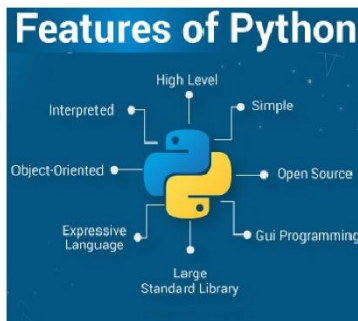
- Learn how to manage large number set with built-in libraries and their functions.
- Learn built-in libraries and manage different data sources and visualize data in different formats.
- Libraries:
  - NumPy
  - Pandas
  - Matplotlib

## Course Outcomes:

By the end of this course, you will get practical hands-on experience in this language & will also be able to start with Django / Flask frameworks to develop web sites and services.

45 hours of live + referential learning will enable the students to:

- 1) Firm grasp of Programming concepts
- 2) Core syntactical rules of Python
- 3) Use of Functions and Object-oriented coding
- 4) Advanced libraries for handling Big-Data
- 5) Use-cases on how to solve business problems



### Note:

Throughout the course, students/faculty are required to have their own laptops/personal computers/mobile phones with a stable internet connection.

All other material shall be provided by Develearn.