

# Certificate in Predictive Analytics in Python

[eLearning]



Shape the future  
with confidence



# Certificate in Predictive Analytics in Python

## About the course

Predictive analytics adopts a proactive approach to data. A general business intelligence tool uses data to learn about a customer or to identify trends in a business wherein, predictive analytics identifies how that customer will behave in a future situation and how they may react to the various business has with them. Predictive analytics empowers organizations to plan, which can transform an uncertainty into a usable action with high probability.

Predictive modelling is one of the most crucial and essential components of Data Science. It is the final stage in Data Science wherein, predictions are generated using one or more algorithms to generate predictions out of the historical data. We use predictive modelling in order to get an in-depth insight inside data and make decisions that will drive the businesses.

There are more than 8.2 million developers who use Python making it one of the most popular languages for machine learning and IoT (Internet of Things) apps. New age and tech companies like IBM, Netflix, Google, YouTube, NASA, Amazon, Instagram and Facebook use Python for their apps. More and more companies are adopting Python as their core functionality and development language. Currently Python certification is one of the most sought-after programming certifications in the world.

## Who should take this course?

- ▶ Working professionals who intend to build their career in the field of analytics
- ▶ Working professionals who intend to build their career in the field of ML and AI
- ▶ Professionals who are currently in the Big Data and Data Science domains
- ▶ Professionals from the quality and testing team
- ▶ IT-Professionals in scripting and automation industry
- ▶ Entrepreneurs
- ▶ Fresh graduates and young professionals
- ▶ Mid-level managers
- ▶ Professionals working with MIS and operations

## Benefits of the course

- ▶ In-depth learning of various statistical algorithms through practical examples
- ▶ Get capabilities to build and implement statistical model which can predict
- ▶ Learn and acquire the required Python skills at specific work areas
- ▶ Learn to create your own predictive models
- ▶ Sessions recorded by experienced industry experts and professional

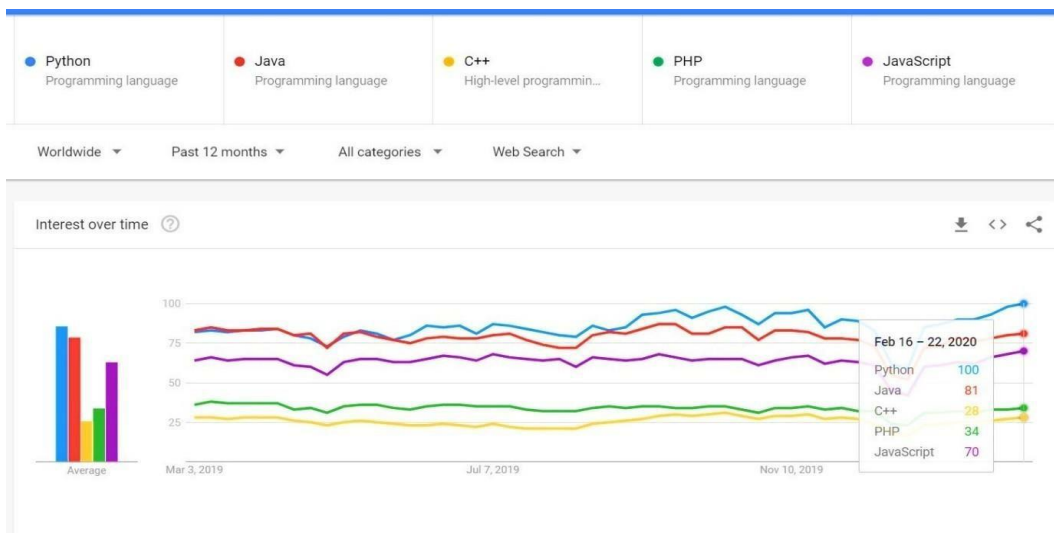
## Course coverage

- ▶ Univariate and multivariate linear regression
- ▶ Logistic regression
- ▶ Gradient descent
- ▶ KNN methods
- ▶ Support vector machine
- ▶ Decision tree
- ▶ Random forest model
- ▶ Introduction to ML and AI
- ▶ Case study

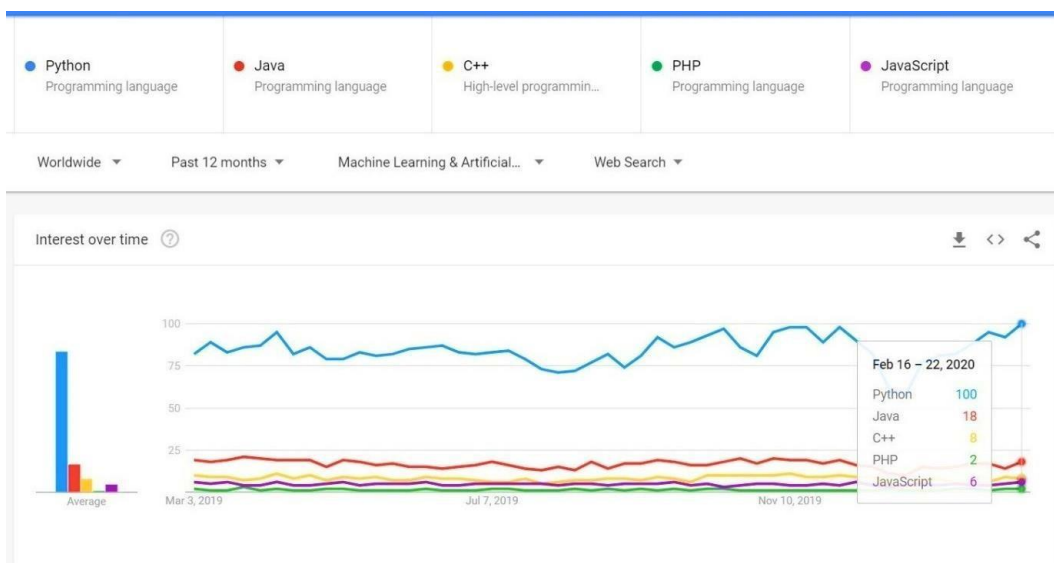


## Python popularity

### Overall Python's popularity in the last year



### Python's popularity for ML and AI in last one year



Source: Google Trends



---

## Course deliverables

- ▶ 10+ hours of learning videos
- ▶ Presentations
- ▶ Includes datasets
- ▶ Online assessment
- ▶ Certificate of completion
- ▶ Query support through email
- ▶ Six months of LMS access

---

## Certification and Assessment

EY will award "Certificate of Completion " upon successful completion of the program:

- Assessment would be based on MCQ's
- Participants will get 3 attempts to clear the assessment
- Participant needs to achieve a minimum score of 50% to pass the exam

---

## Contact

For more information contact:

**Shweta Manchanda**

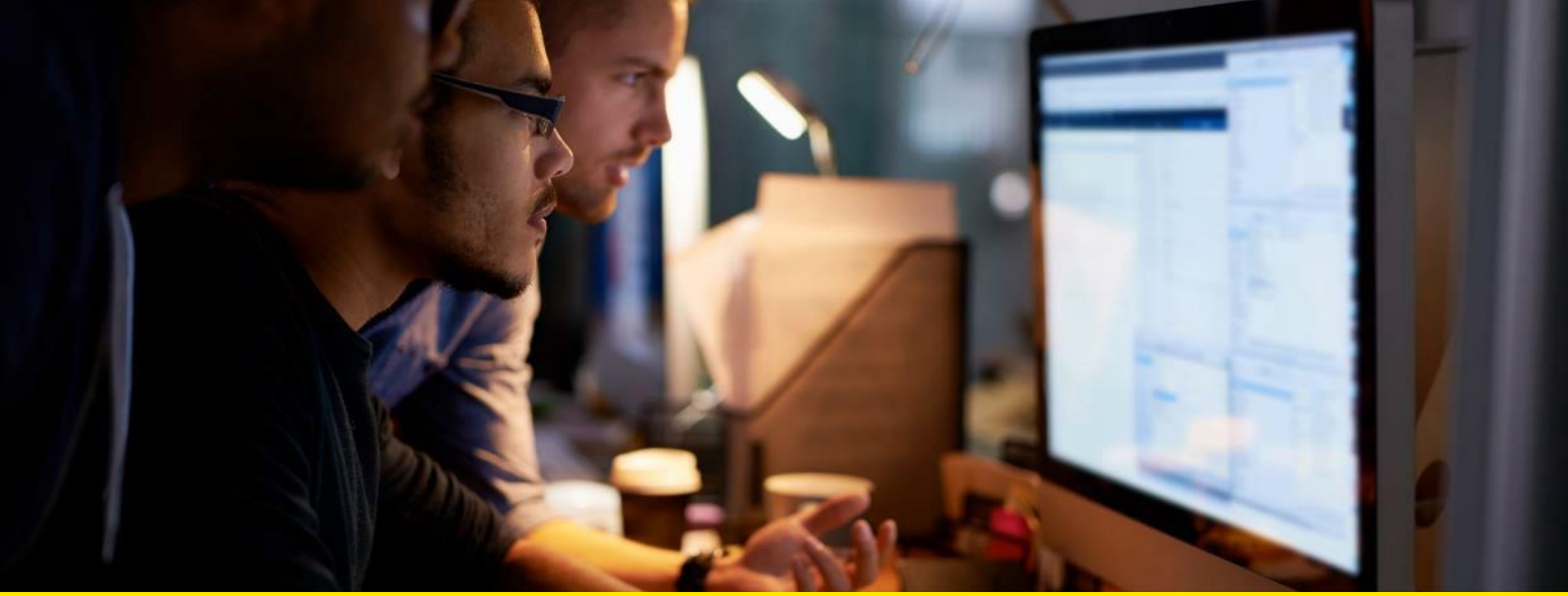
E: [Shweta.manchanda@in.ey.com](mailto:Shweta.manchanda@in.ey.com)

M: + 91 98116 38456

---

## Our other eLearning courses

- ▶ Certificate in Ind-As
- ▶ Certificate in HR Analytics
- ▶ Certificate in Exploratory Analytics in Python
- ▶ Certificate in Finance for Non-Finance Managers
- ▶ Certificate in Business Intelligence using Power BI
- ▶ Certificate in Artificial Intelligence & Machine Learning
- ▶ Certificate in Data Visualization using Tableau
- ▶ Certificate in Financial Modelling and Valuation
- ▶ Certificate in Lean Six Sigma Green Belt
- ▶ Certificate in Advance Analytics using R
- ▶ Certificate in Supply Chain Analytics
- ▶ Certificate in Blockchain Technology
- ▶ Certificate in US GAAP
- ▶ Certificate in Business Valuation
- ▶ Certificate in Marketing Analytics
- ▶ Certificate in IFRS



## About EY Learning Solutions

In today's testing business environment, with organizational transformation and regulatory change constant features, a flexible and cost-effective workforce is critical. High-quality training is a crucial element of innovative talent management, to improve performance and ensure that your teams can respond to today's challenges and are equipped for career success.

We, at EYFAAS, realized this need and accordingly we have set up a dedicated "Learning Solution" practice to help corporate and practicing professionals to deal with new requirements. FAAS Learning Solutions supplements EY's primary range of services and provide business specific training solutions for our clients and business communities throughout India, Europe, the Middle East and Africa. This is done with the help of a multidisciplinary team of trainers from around the world. As a globally integrated firm, we bring global insight to our training programs.

All training programs are regularly updated to reflect changing trends and guidance. Our practical, relevant and stimulating courses are facilitated by highly competent trainers who have first-hand knowledge of the subject matter. We recognize that each client will have a different history, size, location and sector; therefore, programs can be tailored to specific needs of your business.

## For details contact

Anand Akhouri  
Director  
Email: [anand.akhouri@in.ey.com](mailto:anand.akhouri@in.ey.com)

Neha Tuteja  
Sr. Manager  
Email: [neha.tuteja@in.ey.com](mailto:neha.tuteja@in.ey.com)

# Our offices

## Ahmedabad

22nd Floor, B Wing, Privilon,  
Ambli BRT Road, Behind Iskcon  
Temple, Off SG Highway,  
Ahmedabad - 380 015  
Tel: + 91 79 6608 3800

## Bengaluru

6th, 12th & 13th floor  
"UB City", Canberra Block  
No.24 Vittal Mallya Road  
Bengaluru - 560 001  
Tel: + 91 80 6727 5000

Ground Floor, 'A' wing  
Divyasree Chambers  
# 11, O'Shaughnessy Road  
Langford Gardens  
Bengaluru - 560 025  
Tel: + 91 80 6727 5000

## Chandigarh

Elante offices, Unit No. B-613 & 614  
6th Floor, Plot No- 178-178A,  
Industrial & Business Park, Phase-I,  
Chandigarh - 160002  
Tel: + 91 172 671 7800

## Chennai

Tidel Park, 6th & 7th Floor  
A Block, No.4, Rajiv Gandhi Salai  
Taramani, Chennai - 600 113  
Tel: + 91 44 6654 8100

## Delhi NCR

Plot No. 67, Sector-44  
Institutional Area,  
Gurgaon - 122 003  
Tel: + 91 124 443 4000

3rd & 6th Floor, Worldmark-1  
IGI Airport Hospitality District  
Aerocity, New Delhi - 110 037  
Tel: + 91 11 4731 8000

4th & 5th Floor, Plot No 2B  
Tower 2, Sector 126  
NOIDA - 201 304  
Gautam Budh Nagar, [U.P.](#)  
Tel: + 91 120 671 7000

## Hyderabad

THE SKYVIEW 10  
18th Floor, "Zone A"  
Survey No 83/1, Raidurgam  
Hyderabad - 500032  
Tel: + 91 40 6736 2000

## Jamshedpur

1st Floor, Shantiniketan Building  
Holding No. 1, SB Shop Area  
Bistupur, Jamshedpur - 831 001  
Tel: + 91 657 663 1000

## Kochi

9th Floor, ABAD Nucleus  
NH-49, Maradu PO  
Kochi - 682 304  
Tel: + 91 484 433 4000

## Kolkata

22 Camac Street  
3rd Floor, Block 'C'  
Kolkata - 700 016  
Tel: + 91 33 6615 3400

## Mumbai

14th Floor, The Ruby  
29 Senapati Bapat Marg  
Dadar (W), Mumbai - 400 028  
Tel: + 91 22 6192 0000

5th Floor, Block B-2  
Nirlon Knowledge Park  
Off. Western Express Highway  
Goregaon (E)  
Mumbai - 400 063  
Tel: + 91 22 6192 0000

## Pune

C-401, 4th floor  
Panchshil Tech Park  
Yerwada  
(Near Don Bosco School)  
Pune - 411 006  
Tel: + 91 20 4912 6000



## Ernst & Young Associates LLP

EY | Assurance | Tax | Transactions | Advisory

### About EY

EY is a global leader in assurance, tax, transaction and advisory services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. We develop outstanding leaders who team to deliver on our promises to all of our stakeholders. In so doing, we play a critical role in building a better working world for our people, for our clients and for our communities.

EY refers to the global organization, and may refer to one or more, of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. For more information about our organization, please visit [ey.com](http://ey.com).

Ernst & Young Associates LLP is one of the Indian client serving member firms of EYGM Limited. For more information about our organization, please visit [www.ey.com/en\\_in](http://www.ey.com/en_in).

Ernst & Young Associates LLP, is a Limited Liability Partnership, registered under the Limited Liability Partnership Act, 2008 in India, having its registered office at 22 Camac Street, 3rd Floor, Block C, Kolkata - 700016

© 2025 Ernst & Young Associates LLP. Published in India. All Rights Reserved.

EYIN2007-013  
ED None

This publication contains information in summary form and is therefore intended for general guidance only. It is not intended to be a substitute for detailed research or the exercise of professional judgment. Neither EYGM Limited nor any other member of the global Ernst & Young organization can accept any responsibility for loss occasioned to any person acting or refraining from action as a result of any material in this publication. On any specific matter, reference should be made to the appropriate advisor.

AJ

