

# Certificate in Exploratory Analytics in Python

[eLearning]

The EY logo consists of the letters 'EY' in a bold, white, sans-serif font. Above the letters is a yellow chevron shape pointing to the right.

Building a better  
working world

# Certificate in Exploratory Analytics in Python [eLearning]

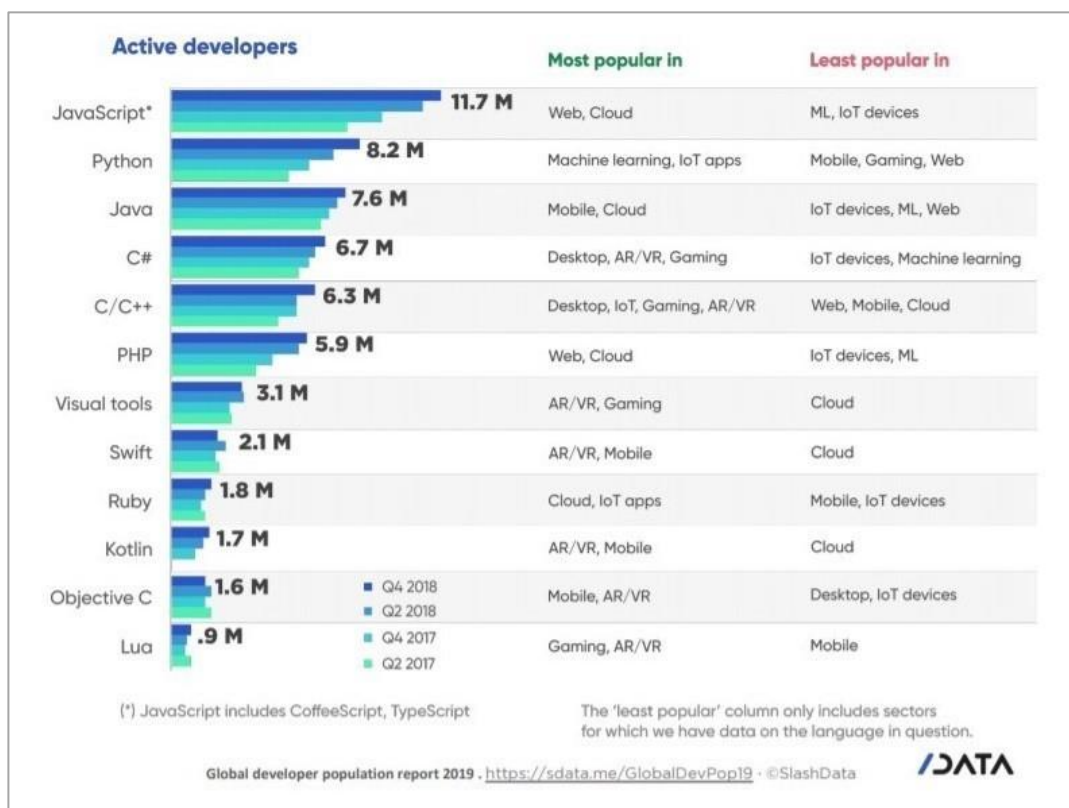
## About the course

Python is a dynamic, interpreted (bytecode-compiled), high-level, general-purpose programming language. Python is one of the most sought after programming languages and its popularity have increased dramatically after data science, machine learning and artificial intelligence become the mainstream of business intelligence. So, the demand for Python developers is growing exponentially.

Exploratory data analysis is an approach to analyzing data sets to summarize their main characteristics. These characteristics further are used to sort out the inferences and trends from a large amount of scattered and meaningless data. EDA in Python course is meant for beginners who have

never programmed before with Python or on any other programming language, as well as existing programmers who want to grow in their existing career path by learning EDA in Python.

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, You-Tube, 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.



Source: Slashdata  
[https://slashdata-websitemcs.s3.amazonaws.com/sample\\_reports/EiWEyM5bfZe1Kug\\_.pdf](https://slashdata-websitemcs.s3.amazonaws.com/sample_reports/EiWEyM5bfZe1Kug_.pdf)



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## Course benefits

- ▶ Learn fundamentals of the Python as a programming language
- ▶ Learn skills to apply Python programming to existing jobs
- ▶ Learn and acquire the required Python skills in specific work areas - machine learning, data science, etc.
- ▶ Learn Python Object-Oriented Programming (OOP) skills
- ▶ Learn to create your own Python programs
- ▶ Learn Python from experienced industry experts and experienced professionals

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## Who should take this course?

- ▶ Working professionals who intend to build their career in the field of web development and coding
- ▶ Working professionals who wish to build their career in the field of Machine learning and Artificial Intelligence
- ▶ Professionals who are currently in the big data and data science domains
- ▶ Professionals who wants to build their career where computer graphics is core to the work like app designing, video game designing and more
- ▶ Professionals from the quality and testing team
- ▶ IT-Professionals in scripting and automation industry
- ▶ Working professional who intend to build their career in analytics
- ▶ Service line leads / in-charge
- ▶ Entrepreneurs
- ▶ Fresh graduates and young professionals
- ▶ Mid-level managers
- ▶ Professionals working with MIS and operations

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## Assessment and Certification

EY will award “Certificate of Completion” to participants at the end of the program.

- ▶ Assessment would be based on MCQ's
- ▶ Participant needs to achieve a minimum score of 50% to pass the exam
- ▶ All participants who meet the above criteria would be awarded a certificate of completion

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## Course coverage

- ▶ Introduction to Python for data science
- ▶ Introduction to SQL
- ▶ Statistics and data analysis
- ▶ Data wrangling
- ▶ Data visualization
- ▶ Python libraries and data structures
- ▶ Exploratory analysis in Python using Pandas
- ▶ Introduction to series and data-frames
- ▶ Data munging in Python using Pandas
- ▶ Multi-threading
- ▶ Fundamentals of data analytics
- ▶ Web development with Python
- ▶ Project development with Python
- ▶ Final assessment

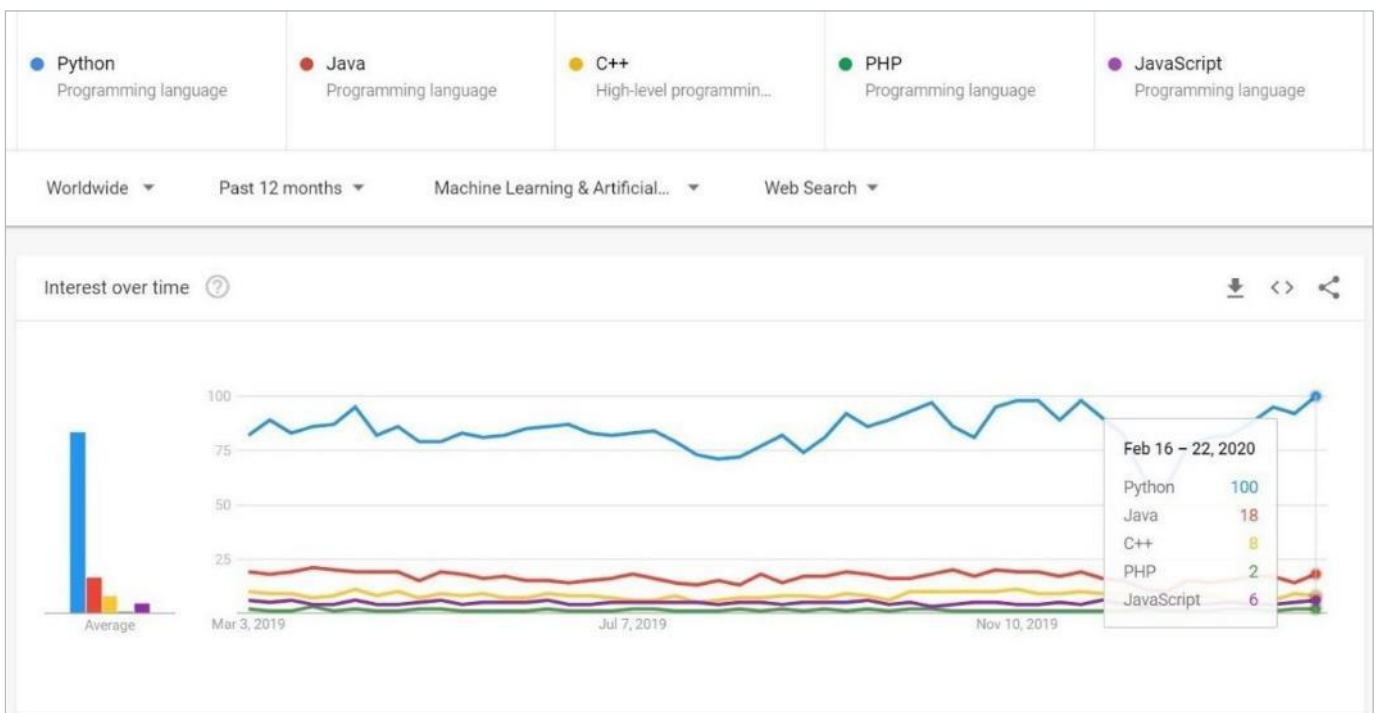
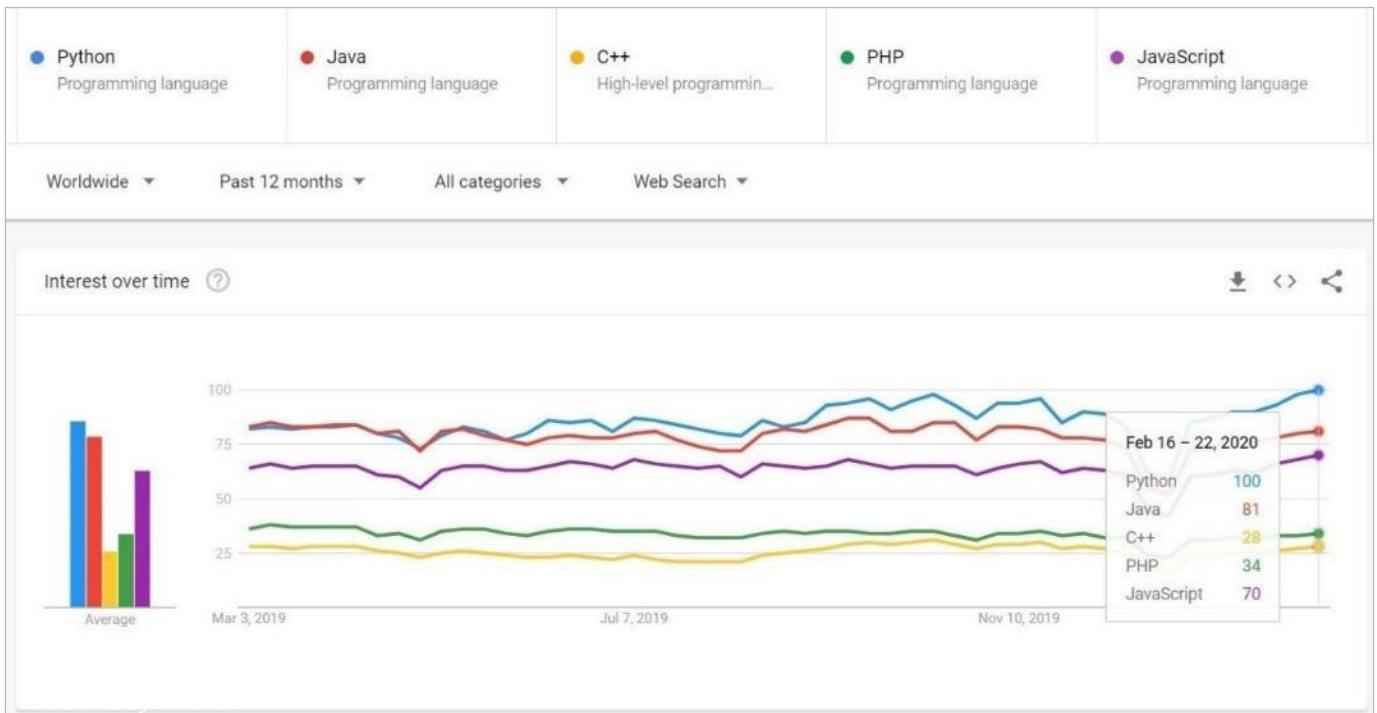
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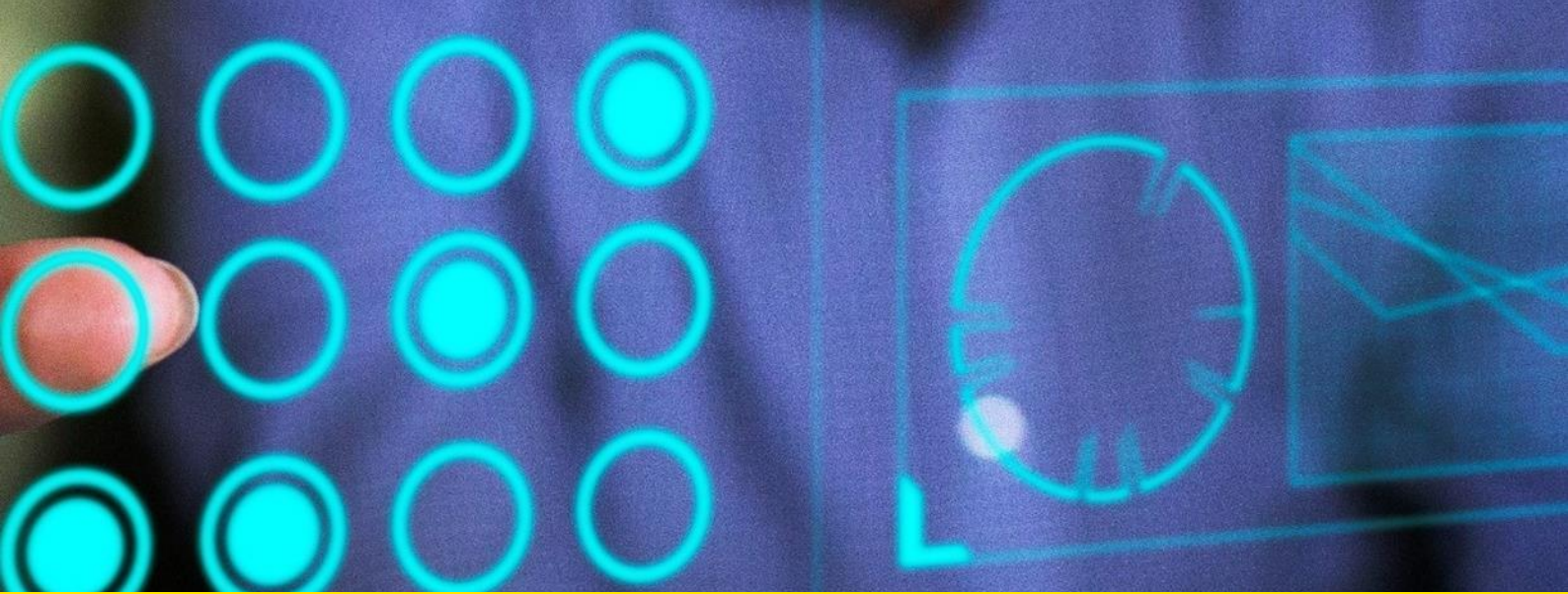
## Course deliverables

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

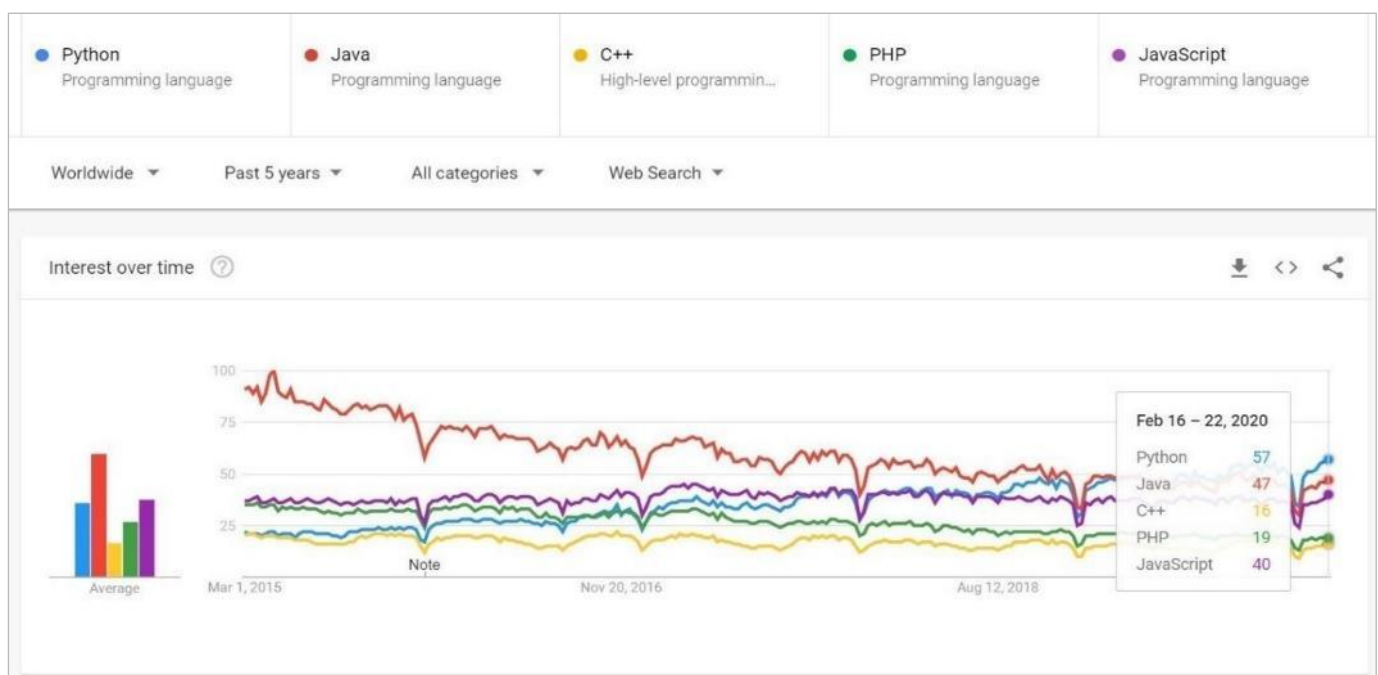


# Python popularity





## Python's popularity in last five years:



Source: Google Trends:

## Contact

For more information contact:

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## Our other eLearning courses

- ▶ Certificate in IFRS
- ▶ Certificate in Ind-AS
- ▶ Certificate in Finance for Non-Finance Managers
- ▶ Certificate in Business Intelligence using Power BI
- ▶ Certificate in Blockchain Technology
- ▶ Certificate in Data Visualization Using Tableau
- ▶ Certificate in Financial Modelling and Valuation
- ▶ Certificate in Advance Analytics using R
- ▶ Certificate in Lean Six Sigma Green Belt
- ▶ Certificate in Artificial Intelligence and Machine Learning in Python
- ▶ Certificate in Predictive Analytics in Python





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## 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

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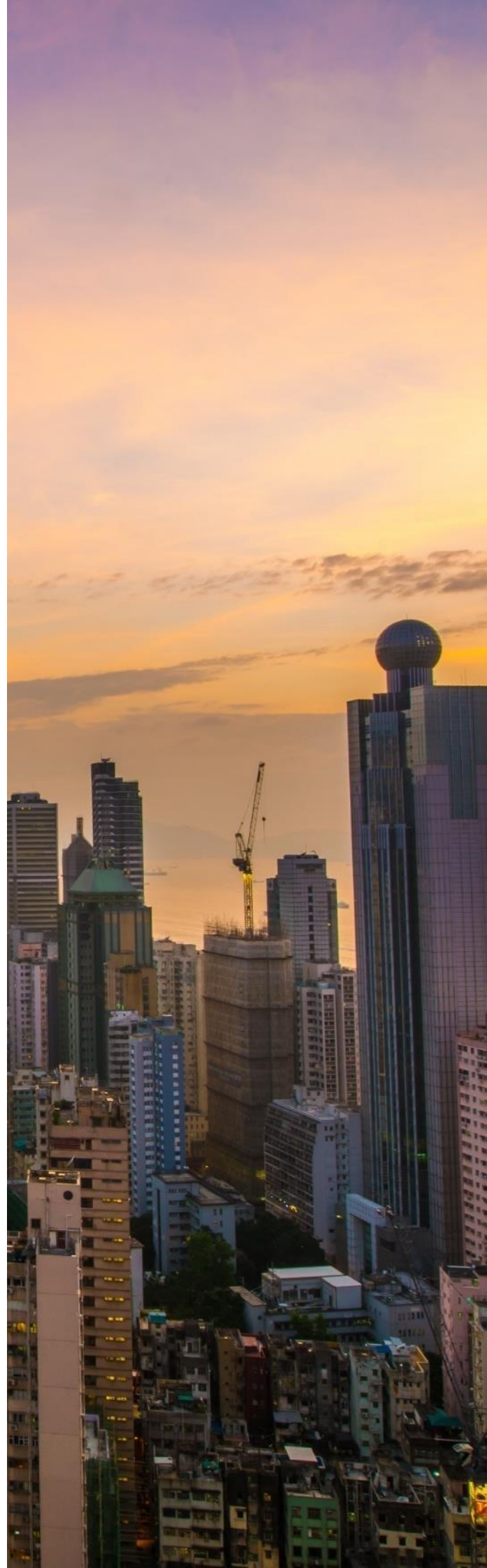
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Goregaon (E)  
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Tel: + 91 22 6192 0000

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Yerwada  
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# Ernst & Young Associates LLP

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