

PG PROGRAM IN 

# DATA SCIENCE & ENGINEERING



9-Month Online Program |  
Dedicated Placement Assistance

# THE TIME IS NOW<sup>7</sup>



**46%**

Analytics professionals in India have a work experience of less than 5 years.

*Source: PWC*

**11.5 MILLION**

According to the U.S. Bureau of Labor Statistics, 11.5 million new data science and analytics jobs will be created by the year 2026.

*Source: Analytics Insight*

**3 MILLION**

In a recent survey conducted by Analytics Insight, by 2021, there will be 3,037,809 new job openings in data science, worldwide.

*Source: Analytics Insight*

**10.9%**

The global market of Big Data is forecast to grow at a CAGR of 10.9% from US\$179.6 billion in 2019 to US\$301.5 billion in 2023.

*Source: Analytics Insight*

# GREAT LEARNING<sup>7</sup>

INDIA'S LEADING PROFESSIONAL  
LEARNING COMPANY

20

Top-ranked programs

400+

Hiring Companies

2000+

Faculty

750,000

Successful Learners

160+

Countries



Best Ed-tech Company  
of the Year

EdTechReview Awards 2020

# GREAT LAKES' CREDENTIALIALS<sup>7</sup>

1<sup>st</sup>

**ANALYTICS  
PROGRAM**

*Analytics India  
Magazine (2015, 2016,  
2017, 2018 and 2019)*

4<sup>th</sup>

**TOP  
STANDALONE  
INSTITUTION**

*Outlook*

4<sup>th</sup>

**PRIVATE  
B-SCHOOLS**

*Career360*

5<sup>th</sup>

**NON IIM/IIT  
INSTITUTE**

*NIRF*



# PG PROGRAM IN DATA SCIENCE

Great Learning & Great Lakes' PGP-DSE is a program designed for fresh graduates and early career professionals looking to build their career in data science & analytics. With the large number of job openings in analytics and data science, PGP-DSE equips you with the right skills and knowledge needed to break into these roles.

Great Learning and Great Lakes have collaborated with the industry to create a program that trains candidates specifically for roles such as business analysts, data analysts, data engineer, analytics engineer and more by teaching relevant analytics techniques, tools, technologies, and hands-on applications through industry case studies.

## PROGRAM DELIVERY

- ▶ 9-Month Online Program
- ▶ 1-Month Preparatory Module
- ▶ Live Online Sessions twice a week
- ▶ 4hrs/week - Between Mon-Fri (After working hours)
- ▶ Online Lab Sessions on Weekends (4hrs/Weekend)
- ▶ Dedicated Placement Assistance



# WHY PGP-DSE?



BUILD/GROW YOUR CAREER IN  
DATA SCIENCE ROLES AND  
COMPANIES

AN ACADEMIC PEDIGREE THAT  
IS RESPECTED IN THE INDUSTRY  
AND CAN HELP YOU GET A JOB

LEARN THROUGH LIVE ONLINE  
SESSIONS AND HANDS-ON  
LEARNING

LEARN DATA SCIENCE TOOLS &  
TECHNOLOGIES SOUGHT AFTER  
BY LEADING COMPANIES

## PLACEMENT HIGHLIGHTS

**150+**

Participating  
Companies

**6.9 LPA**

Average  
CTC

**20 LPA**

Highest  
CTC

**85%**

Average  
Salary Hike

# ON COMPLETING THIS PROGRAM, YOU WILL

- 1 Be well versed in analytics tools and technologies such as Python, Tableau, SQL
- 2 Apply industry relevant machine learning techniques such as Regression, Predictive Modelling, Clustering, Time Series Forecasting, Classification, etc.
- 3 Structure a business problem into an analytics framework using statistics and data modelling
- 4 Perform data cleaning and data transformation operations using several tools and techniques
- 5 Present yourself as an ideal candidate for analyst, data engineer, and data scientist roles in leading analytics companies

## CERTIFICATE

Upon successful completion of the program, you will receive a Post Graduate Certificate from Great Lakes Executive Learning.



# PROGRAM HIGHLIGHTS

## ONLINE PROGRAM

- ▶ 9-month online program with live online sessions happening twice a week - 4hrs/week between Mon-Fri (After working hours)
- ▶ Online Lab Sessions on Weekends - 4hrs/Weekend

## BECOME JOB-READY

- ▶ Real-world case studies to build practical skills
- ▶ Hands-on exposure to analytics tools & techniques such as Python, Tableau, SQL
- ▶ Learn industry insights through multiple industry knowledge sessions

## GREAT LAKES ADVANTAGE

- ▶ Award-winning world-class faculty and industry experts
- ▶ Ranked within top 10 business schools in India and pioneered India's #1 ranked business analytics program

## DEDICATED PLACEMENT ASSISTANCE

- ▶ Career guidance and mentorship by Great Lakes faculty and industry leaders
- ▶ Resume review and interview preparation sessions
- ▶ Access to opportunities with leading companies



**AKHIL KODALI**  
Data Analyst, Indegene

"I had three things in mind: placements, good content to learn, and real-time examples. Great Learning ticked off all three requirements. The teaching staff is well experienced and enriched. Numerous real-world examples were given to us. The course topics were well explained. I gained comprehensive knowledge about all the course topics even though I was starting from scratch. Mock interviews and interviews with industry experts were conducted. This helped me concentrate on my strengths and figure out what my weakness is. I worked hard based on the feedback provided and cracked my very first interview at Indegene Private Ltd, Bangalore."

# PROGRAM CURRICULUM

## Preparatory Module

- ▷ Basics of Python

## Module 1

### DATA SCIENCE FOUNDATION

- ▷ Introduction to programming in Python
- ▷ SQL Programming
- ▷ Python for Data Science (Data Cleansing, Manipulation, and EDA)
- ▷ Statistical Methods for Decision Making

## Module 2

### MACHINE LEARNING

- ▷ **Supervised Learning**
  - ▷ Regression
  - ▷ CART
  - ▷ Unsupervised Learning
  - ▷ Clustering
  - ▷ PCA
  - ▷ Decision Trees
- ▷ **Ensemble techniques**
  - ▷ Bagging
  - ▷ Boosting

## Module 3

### DATA SCIENCE APPLICATIONS

- ▷ **Database Management Systems**
  - ▷ Data Querying-SQL
  - ▷ Joins
  - ▷ Indexing
- ▷ **Data Visualisation using Tableau**
- ▷ **Time Series Forecasting**
- ▷ **Text Mining & Sentiment Analysis**

### CAREER PREPARATION

- ▷ Aptitude Skill Training and Development
- ▷ Resume Review Workshops
- ▷ Interview Preparation

*Note: Curriculum review and changes are under the purview of the faculty committee and would be undertaken from time to time to ensure the program coverage is in line with the requirements in the industry.*

# TOOLS COVERED





# 4 WEEK HANDS-ON PROJECT

Candidates take up a 4-week application based hands-on capstone project to apply their learning to real-life business problems.



## BUILD JOB-RELEVANT SKILLS

with a real-life industry project

## GAIN PERSPECTIVE FROM MENTORS

on the approach to solve the problem

## DEVELOP AN E-PORTFOLIO

to showcase to potential employers

## APPLY AND STRENGTHEN THE CONCEPTS

learned in the program



### SOWNTHIRIYA

Associate Analyst, Mahindra

“The program is very well designed and in line with what the industry needs. I had no knowledge of data science before and wasn’t sure if I would be disciplined enough to take up an online course. The classroom learning allowed me to clear my doubts right then and there which helped a lot. And the inputs that I gained from the mock interview sessions helped me crack the placement process of multiple companies.”

# PLACEMENT ASSISTANCE

All eligible candidates will receive placement assistance for 3 months after program completion.

- 1** Access to Opportunities with Leading Companies
- 2** Workshops on Resume Review & Interview Preparation
- 3** Career Guidance & Mentorship by Great Lakes Faculty & Industry Leaders

# ROLES OFFERED

- ▷ Analytics Consultant
- ▷ Manager - Analytics
- ▷ Data Analyst
- ▷ Data Scientist
- ▷ Data Engineer
- ▷ ML Engineer
- ▷ AI Engineer
- ▷ Reporting Analyst
- ▷ Research Executive
- ▷ Statistician

*Learners complete the Placement Readiness Evaluation at the end of the program to participate in the placements process.*

# PLACEMENT HIGHLIGHTS

▼  
**150+**

Participating Companies

▼  
**6.9** LPA

Average CTC

▼  
**20** LPA

Highest CTC

▼  
**85%**

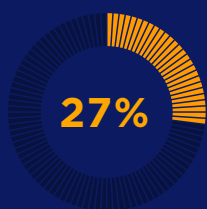
Average Salary Hike

# PARTICIPATING COMPANIES

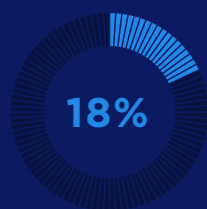
- ▷ Uber
- ▷ Renault
- ▷ Oyo Rooms
- ▷ FSS
- ▷ Sokrati
- ▷ Asian Paints
- ▷ Unifynd
- ▷ Credy
- ▷ Fractal Analytics
- ▷ Mercedes Benz
- ▷ Big Basket
- ▷ Mahindra
- ▷ G Square
- ▷ Cartesian Consulting
- ▷ Indium Software
- ▷ Kestone
- ▷ Prodapt
- ▷ Smith's group
- ▷ The Math Company
- ▷ Bewakoof.com
- ▷ TransOrg Analytics
- ▷ Mu Sigma
- ▷ Paisabazaar
- ▷ Arcadis
- ▷ Genpact
- ▷ Nielsen
- ▷ Genebox
- ▷ Buddi Health
- ▷ KPMG
- ▷ Tekion
- ▷ Cognizant
- ▷ TVS
- ▷ Kantar
- ▷ Vestas
- ▷ Manthan Systems
- ▷ EXL Service
- ▷ Jana Finance
- ▷ Razorthink Technologies
- ▷ United Health Group
- ▷ DXC Technology
- ▷ Swiggy
- ▷ AI Enterprise
- ▷ OPPO
- ▷ HSBC
- ▷ Merit
- ▷ Indegene
- ▷ Tata IQ
- ▷ Factspan
- ▷ Marlabs
- ▷ Medlife
- ▷ Saksoft
- ▷ Tredence
- ▷ Latent view
- ▷ Ad Global 360
- ▷ Policy bazaar
- and many more

*\*Indicative list*

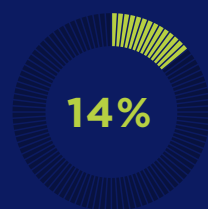
# INDUSTRY CLASSIFICATION



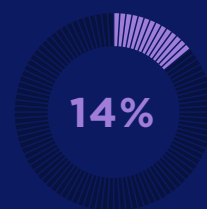
Consulting



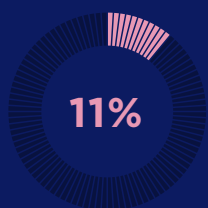
IT service/ Technology



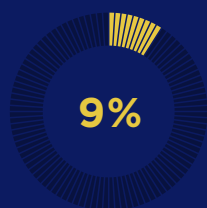
Healthcare/Insurance



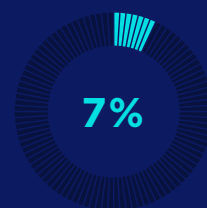
BFSI



Logistics/ Manufacturing



E-commerce

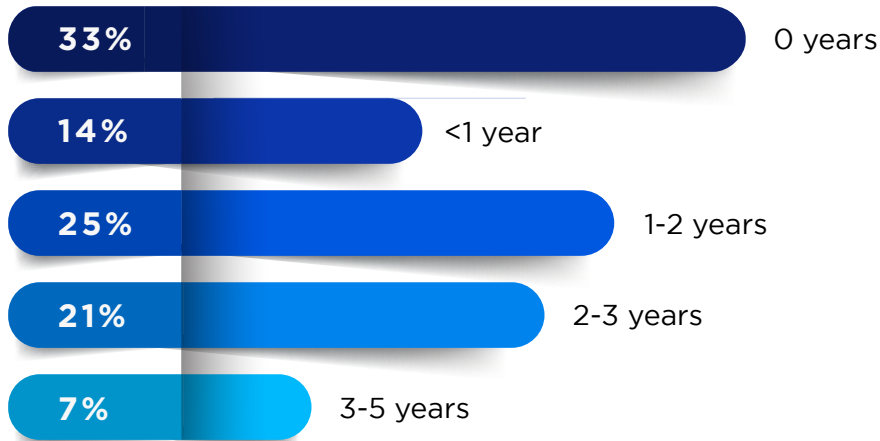


Other

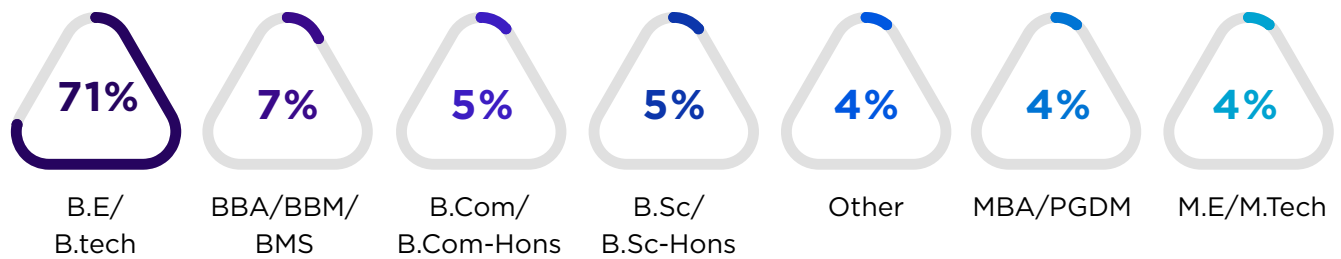
# PGP-DSE BATCH PROFILE

Our students include freshers and experienced professionals from across industries, functions and backgrounds.

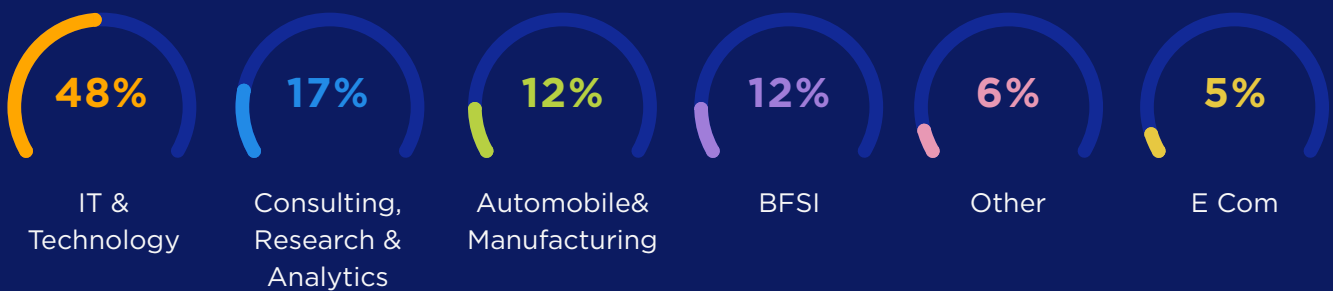
## EXPERIENCE DISTRIBUTION



## EDUCATIONAL BACKGROUND



# INDUSTRY DIVERSITY





# PROGRAM FACULTY



**DR. NARAYANA DARAPANENI**

Professor, Artificial Intelligence & Machine Learning, Great Learning  
*Ph.D (Pierre & Marie Curie University, Paris)*



**DR. MUDIT KULSHRESHTA**

Professor, Great Lakes Institute of Management  
*Ph.D (IGIDR)*



**MR. R VIVEKANAND**

Operations Director, Wilson Consulting Private Limited  
*MBA (Monash University)*



**MR. GURUMOORTHY PATTABIRAMAN**

Faculty, Data Science & Machine Learning, Great Learning  
*M.Sc (Madras School of Economics)*



**DR. SRABASHI BASU**

Professor, Business Analytics, Great Lakes Institute of Management  
*Ph.D (Penn State University)*



**IVA NANDA**

Analyst, Cartesian Consulting

“Great Learning’s PG program in Data Science and Engineering has one of the best curriculum when compared to other options in the market. The duration of the course is 5 months. Numerous course topics are covered in this period and are comprehensive as well. The career support provided by Great Learning is extremely helpful.”

# ALUMNI IN THE INDUSTRY<sup>></sup>

Our alumni have successfully transitioned their careers to business and functional roles in data science and analytics, working with some of the leading organisations in the world including:



*\*Indicative list*

# TESTIMONIALS



**AISHWARYA SARDA**

Business Analyst, **Uber**

“After completing around 4 and a half months of the program, I had applied for Uber. The knowledge that I gained through the course really helped to crack the interview. This program is ideal for anyone who is looking for a transition into the field of Data Science. The curriculum is very well designed and the placement support is really good.”



**SAI RAMYA MACHAVARAPU**

Business Analyst, **Mercedes Benz**

“PGP-DSE is a top-notch program for students aspiring to make a career in the field of data science. The program has a well-designed course-content and structure and is taught by the best faculty who made us think outside the box constantly. After the completion of the program the assistance provided by the placement team was impeccable, they guided us at every step from the interview preparation to confidently cracking the interviews. Joining Great Lakes was the biggest milestone in my career.”



**RITESH CHOUDHURY**

Application Development Analyst, **Accenture**

“The course was structured well. I had some prior knowledge about Data Engineering but didn’t know Python coding, now I can confidently say that I am proficient in this domain. The career support was excellent, the program managers helped prepare for interviews and told me what changes to make in my resume, what my weak points were and how exactly I can work to improve. My advice to anyone who will take up this course would be to listen to your faculty. They want the best for you and will help you achieve your goals.”



**YASH AGARWAL**

Senior COE Analyst, **Uber**

“As a consultant in the industry, I couldn’t afford the risk of being unaware of using machine learning as a tool to investigate/predict or model the industry dynamics. Joining here was my first choice and it proved to be the best for me. I am being approached by employers for opportunities of my interest. I would recommend this to professionals and students with the desire to undergo training and develop a logical understanding of Data Science. “Great Experience at Great Learning.”



**SHAWRYA SHARMA**

Associate Consultant, **KPMG**

“If you are sincere and perform well during the program, you will definitely land a job in a good company. I can say that the mock interviews, career fairs, and CV reviews were quite helpful and played a major role in my transition. I had an opportunity to be interviewed by 3 companies from which, I was offered roles by two companies.”



**RAMYA T**

Consultant Data Scientist, **Saksoft**

“As a fresher, I knew very little about data science but at the end of the program, I was well-versed with all the industry-relevant tools and topics. It was the ideal and the best way to learn data science. All the concepts were taught during this program with hands-on training on topics like text mining, Hadoop, SQL etc. All the Faculty were really great and I really love the way this program is structured.”



**MAHENDRA SHAJI**

Analytics Consultant, **Fractal Analytics**

“2-year career gap didn’t stop me from bagging a position as a consultant in fractal analytics. Thank you Great Learning.”





**SURAJ SURESH**

Data Scientist, **DXC Technology**

“Thanks to the Data Science and Engineering program at Great Lakes, I had 2 offers, one from DXC Technology and another from Razorthink. Taking this course to upskill myself was one of the best decisions I’ve made.”



**APOORVA KRISHNAN ARUNACHALAM**

Data Analyst, **Latent View Analytics**

“One who really puts in hard work and makes use of whatever that has been taught in this course will truly shine in both their career and life. I would definitely recommend Great Learning to anyone out there who is confused about how and where to start a career in data science. This is the best place to start your career.”



**GURDEEP CHAWLA**

Business Analyst, **Oyo**

“Coming from a sales and marketing background, I never thought I would end up in a successful company like OYO as a business analyst. All thanks to the Great Lakes team. The kind of learning they provided is industry standard. The team helped me throughout the curriculum whenever needed, be it a webinar, remedial sessions, or personal sessions. Thank you once again for all the support. Happy to be a member of the Great Lakes Family.”



**DIPTANIL BHOWMIK**

Consultant, **Fractal Analytics**

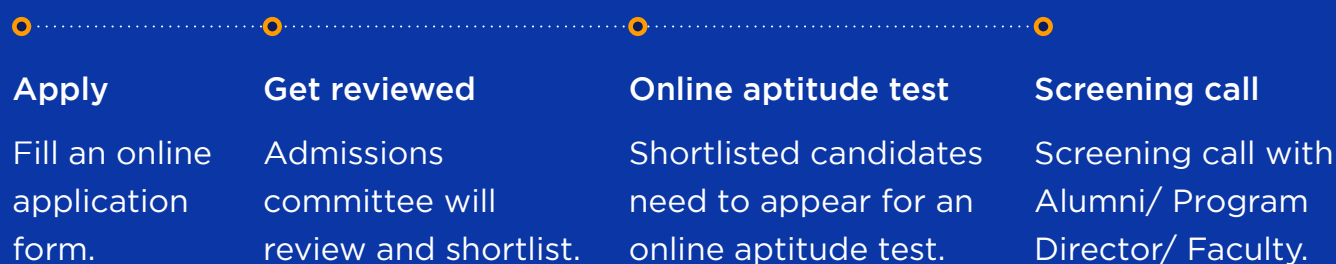
“The initial classes were easy but as the major topics came in, it needed an extra effort and the whole management was very helpful with extra classes and other guidance as required. The placement team was an important part of the program as many top-notch companies were brought in and a placement boot camp was set-up for each company. I got an offer from Fractal Analytics as a consultant analyst which gave a great career boost to me being a fresher. The company is great to work for.”

# ADMISSION DETAILS

## ELIGIBILITY

- ▶ Applicants should have 60% or above in Xth, XIIth and a Bachelor's degree.
- ▶ The program is open for candidates in their final semester and recent graduates with 0-3 years of experience.
- ▶ The PG Data Science Course is ideal for candidates with a graduation in a quantitative discipline like engineering, mathematics, commerce, sciences, statistics, economics, etc.

## SELECTION PROCESS



## PROGRAM FEE

**₹2,75,000 + GST**

*(Includes tuition fee, lab access and learning materials.)*

Candidates can pay the program fee through Net Banking, Credit Cards or Debit Cards, Cheque/DD.

## FINANCIAL AID



Avail education loans at 0% interest rate with our corporate financial partnerships\*.

\*Conditions Apply. Please reach out to the admissions team for more details.

# ABOUT US



Great Lakes is India's leading business school with campuses in Chennai and Gurgaon. Led by exceptional faculty and steered by an outstanding advisory council, Great Lakes is ranked amongst India's top 10 business schools and is ranked as the best in the country when it comes to learning analytics. Learning Analytics from Great Lakes ensures you get the industry credibility and acceptance as you look to build your career.



Great Learning is one of India's leading ed-tech companies for professional and higher education. It offers comprehensive, industry-relevant programs in Software Engineering, Business Management, Business Analytics, Data Science, Machine Learning, Artificial Intelligence, Cloud Computing, Cyber Security, Digital Marketing, Design Thinking, and more. Great Learning's programs are developed in collaboration with the world's foremost academic institutions like Stanford University, The University of Texas at Austin, Indian Institute of Technology, Madras (IIT Madras), People's Education Society University, Bengaluru (PES University, Bengaluru) and Great Lakes Institute of Management and are constantly reimaged and revamped to address the dynamic needs of the industry.

Great Learning is the only ed-tech company to provide these programs in a blended mode, classroom mode and in purely online mode, relying on its vast network of expert mentors and highly qualified faculty to deliver an unmatched learning experience for learners in India and the world over. Having impacted 750,000 learners from over 160+ countries, Great Learning is on a mission to enable transformative learning and career success in the digital economy for professionals and students across the globe.

READY TO ADVANCE  
YOUR CAREER?

**APPLY NOW**

Speak to a Program Advisor

**+91 80 47189253**

or

Email us

**dse@greatlearning.in**

Visit Our Website

**greatlearning.in/dseonline**

