



DATA SCIENCE
& ENGINEERING

PG PROGRAM IN DATA SCIENCE & ENGINEERING



5-Month Classroom Program |
Dedicated Placement Assistance



THE TIME IS NOW



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

INDIA'S LEADING PROFESSIONAL LEARNING COMPANY

20+

Top-Ranked Programs

500+

Hiring Partners

2500+

Faculty & Mentors

1 MILLION+

Learners

160+

Countries



**Best Ed-tech Company
of the Year**

EdTechReview Awards 2020

GREAT LAKES' CREDENTIALS

1st

**ANALYTICS
PROGRAM**

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

4th

**TOP
STANDALONE
INSTITUTION**

Outlook

4th

**PRIVATE
B-SCHOOLS**

Career360

5th

**NON IIM/IIT
INSTITUTE**

NIRF

PG PROGRAM IN DATA SCIENCE

Great Learning & Great Lakes' PGP-DSE is a classroom 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

- ▶ Classroom sessions from Mon-Thu (9:30 AM to 5:30 PM)
- ▶ 5-months of full-time classroom based learning
- ▶ In-class Lab Sessions
- ▶ Dedicated Placement Assistance



WHY PGP-DSE?



BUILD/GROW YOUR CAREER IN
DATA SCIENCE ROLES AND
COMPANIES

AN INDUSTRY RECOGNISED
ACADEMIC PEDIGREE TO
BOOST YOUR CAREER

LEARN THROUGH IN-PERSON
CLASSROOM 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

CLASSROOM PROGRAM

- ▶ 5 month full-time classroom-based learning
- ▶ Classroom and Lab Sessions from Monday to Thursday (9:30 AM to 5:30 PM) at the Great Learning center.

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

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

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



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

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*

**Online instruction*

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

DEVELOP AN E-PORTFOLIO

to showcase to potential employers

GAIN PERSPECTIVE FROM MENTORS

on the approach to solve the problem

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%

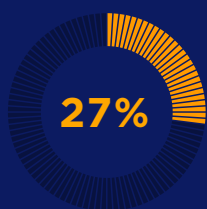
Average Salary Hike

PARTICIPATING COMPANIES

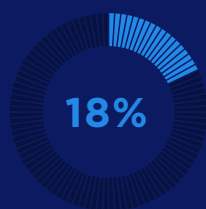
- ▶ Uber
- ▶ Renault
- ▶ Oyo Rooms
- ▶ FSS
- ▶ Sokrati
- ▶ Asian Paints
- ▶ Unifynd
- ▶ Credy
- ▶ Fractal Analytics
- ▶ Mercedes Benz
- ▶ Big Basket
- ▶ Mahindra
- ▶ G Square
- ▶ Cartesian Consulting
- ▶ Indium Software
- ▶ Kestone
- ▶ Prodapt
- ▶ Smith's group
- ▶ The Math Company
- ▶ Bewakoof.com
- ▶ 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*

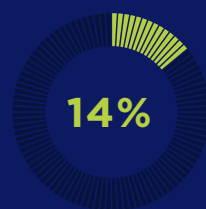
INDUSTRY CLASSIFICATION



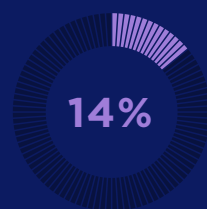
Consulting



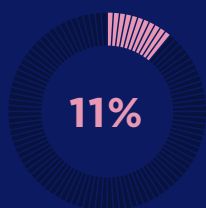
IT service/ Technology



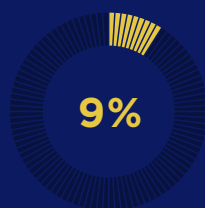
Healthcare/Insurance



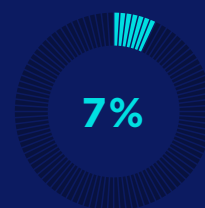
BFSI



Logistics/ Manufacturing



E-commerce

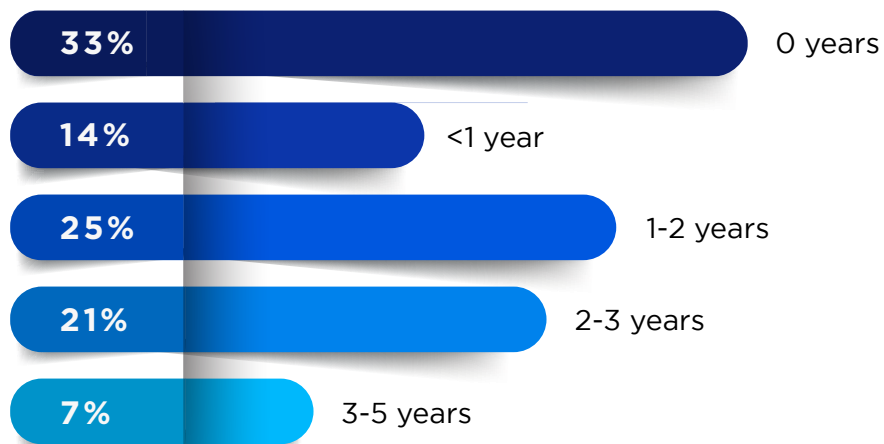


Other

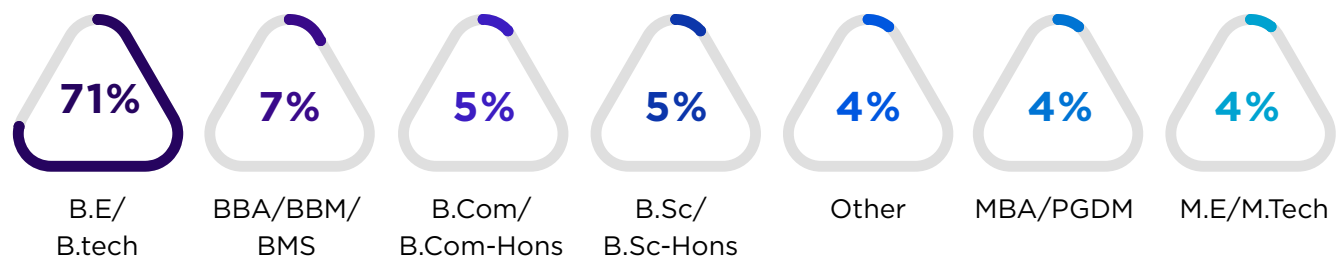
PGP-DSE BATCH PROFILE

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

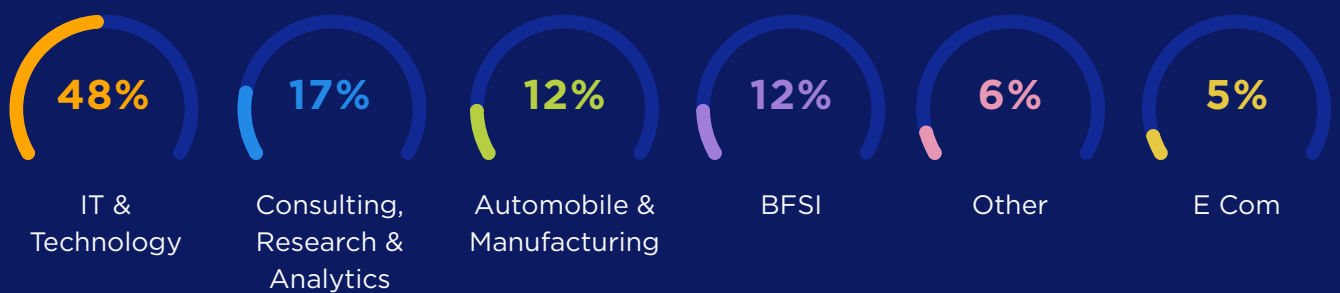
EXPERIENCE DISTRIBUTION



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)



UTKARSH NIPANE

Data Analyst, Bewakoof.com

“Program Curriculum was designed with the help of industry experts, so we were directly able to jump into industry applications as a result. Career Support is one of the best you can find, they will stick with you, motivate you, scold you when needed, It was more like a family which took care of every possible problem I had regarding the course.”

ALUMNI IN THE INDUSTRY

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 SARMA

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.”



SHAWRYA SHARMA

Advanced Insight Analyst, **Expedia Group**

“It's been 2 years since the completion of my DSE program. In just 2 years, I was able to get an exponential salary hike of around 500%, compared to where I was before joining the course. This has been possible only because of the platform that great learning had initially provided.”



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.”



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.”



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.”

BATCH LOCATIONS



BANGALORE



MUMBAI



CHENNAI



HYDERABAD



GURGAON







PUNE

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

			
Apply	Get reviewed	Online aptitude test	Screening call
Fill an online application form.	Admissions committee will review and shortlist.	Shortlisted candidates need to appear for an online aptitude test.	Screening call with Alumni/ Program Director/ Faculty.

PROGRAM FEE

₹3,50,000 + GST

(Includes tuition fee, lab access, learning materials, meals & refreshments on the days of classes.)

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

FINANCIAL AID



We've tied-up with multiple lending partners to ensure that money is not a constraint in your path of learning.

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 reimagined 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 1 Million+ 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/dseft

