



PG Diploma in

DATA SCIENCE

Get the Whole Picture



*What
a whale!*

*What
a bird!!!!*





Table of Contents

2	About upGrad
3	Why upGrad?
4	Program Highlights
5	Faculty and Industry Experts
7	upGrad Learning Experience
8	Industry Projects
9	Learning Path
10	Diploma Curriculum
22	Meet the Class
23	Career Support
24	Our Alumni Work at
25	Career Transitions
27	Experience upGrad Offline
28	Hear from our Learners
30	Program Details and Admission Process



About upGrad

upGrad has delivered over 20 million hours of learning, delivering programs by collaborating with universities across the world including Duke CE, IIT Madras, IIT Bangalore and Deakin Business School among others.

Online education is a fundamental disruption that will have a far-reaching impact. **upGrad** was founded taking this into consideration. upGrad is an online education platform to help individuals develop their professional potential in the most engaging learning environment.

Since inception, upGrad has delivered over 20 million hours of learning, delivering programs by collaborating with universities across the world including Duke CE, IIT Madras, IIT Bangalore and Deakin Business School among others.

upGrad is focused on helping working professionals in their bid to learn, grow and move up in their career through a wide-range of programs designed to improve their expertise.

IIT-B is a renowned university offering programs specialising in data science, machine learning and artificial intelligence. The IIT-B faculty includes an average of 15+ years of experience.

The faculty covers the conceptual depths of topics such as Data Science, Machine Learning and Artificial Intelligence, and Big Data Analytics. These will be complemented by industry relevant case studies from major industry verticals by industry leaders with 8+ years of experience from upGrad's industry network.

Furthermore, our strong placement network, industry mentorship and the credibility of a PG Diploma will provide you with just the right push to accelerate your career in Data Science!





03



₹72 Lakh
Highest Salary

Why upGrad?

400%
Highest Hike



58%
Avg Salary Hike



300+
Hiring Partners



20,000+
Learners



700+
Industry Experts





Program Highlights

Diploma from IIIT-B and Alumni Status

Get certified by IIIT-B and gain alumni status on successful completion of the program.

Dedicated Career Assistance

Receive 360 degree career support from mock interviews with hiring managers, resume building, career fairs, industry mentors and much more.

For the Industry, by the Industry

Learn from 60+ case studies and industry experts who mentor you throughout the program.

5 Specialisations

Choose from 5 specialisations on the basis of your background and career aspirations and get the learning you want.

Personalised Mentorship

Get unparalleled personalised mentorship and doubt resolution from IIIT-B faculty and our panel of industry experts.

Blended Learning

Learn with the ease and flexibility of recorded sessions as well as live sessions, designed to ensure a wholesome learning experience.

NASSCOM future skill certification

India's first PG Diploma validated by and recommended by NASSCOM. Avail a participation certificate from NASSCOM on successful program completion.



Faculty and Industry Experts



Hindol Basu
CEO, Actify Data Labs

An alumnus of IIT and IIM with over 13 years of experience in analytics with industry leaders such as Citigroup and Tata Industries.



Chandrashekar Ramanathan
Dean Academics, IIIT-B

Prof. Chandrashekar has a PhD from Mississippi State University and experience of over 10 years in several multinational organisations.



S. Anand
CEO, Gramener

A gold medallist from IIM Bangalore, an alumnus of IIT Madras and London Business School, Anand is among the top 10 data scientists in India with 20 years of experience.



Tricha Anjali
Associate Dean, IIIT-B

Prof. Anjali has a PhD from Georgia Institute of Technology as well as an integrated MTech (EE) from IIT Bombay.



Sameer Dhanrajani
Co-Founder and CEO, AIQRATE

Sameer Dhanrajani is an AI and Analytics evangelist for Fortune 500 companies who has won several industry awards in the field of analytics.



Prof. S. Sadagopan
Director, IIIT-B

Prof. Sadagopan is currently Director (President) of IIIT Bangalore. He has a MS and a PhD from Purdue University.



Prof. G. Srinivasaraghavan
Professor, IIIT-B

Prof. Srinivasaraghavan has a PhD in Computer Science from IIT-K and 18 years of experience with Infosys Technologies and several other companies.



Ujjaini Mitra
Head of Analytics, Zee5

An alumna of McKinsey and Co., Flipkart, and Bharti Airtel with over 11 years of experience.



Dinesh Babu Jayagopi
Associate Professor, IIIT-B

Prof. Dinesh has a PhD from EPFL Switzerland, MSc from IISc Bangalore in System Science and Signal Processing and BTech.



Kalpana Subbaramappa
Ex-AVP, Genpat

Kalpana is the ex-AVP of Decision Sciences at Genpact with over 20 years of experience.



Ankit Jain
Sr. Research Scientist, Uber

An alumnus of IIT Bombay, UCB and Harvard Business School with over 9 years of experience.



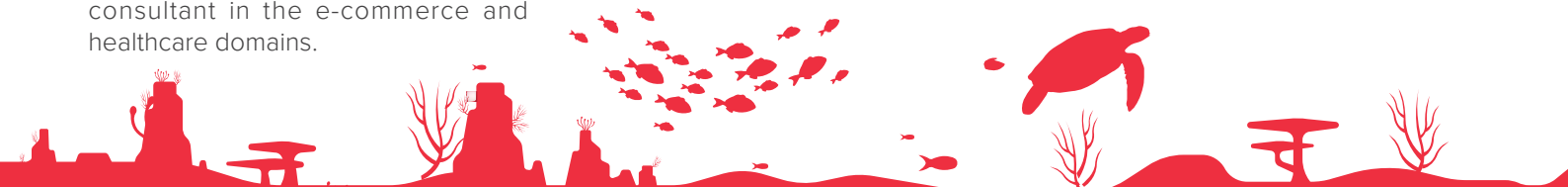
Sajan Kedia
Lead Data Scientist (Pricing), Myntra

An alumnus of IIT with over 7 years of experience at Watson at IBM Research, startups and Myntra.



Mirza Rahim Baig
Lead Business Analytics, Flipkart

Advanced Analytics professional with 8+ years of experience as a consultant in the e-commerce and healthcare domains.



upGrad Learning Experience

Coaching

- Dedicated Student Success Manager
- Weekly real-time doubt clearing sessions
- Live Discussion forum for peer-to-peer doubt resolution monitored by technical experts
- Peer-to-peer networking opportunities with an alumni pool of 10,000+
- Lab walk-throughs of 15+ industry-driven case studies
- 6 Employability Tests for industry readiness
- Access to the program for up to 3 years

Mentorship

60+ live interactive sessions with industry experts, fortnightly personalised group (1:8) mentorship sessions and a dedicated student mentor for proactive mentoring.

Format

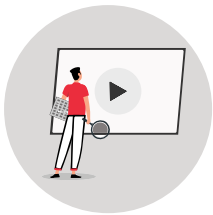
Online format with weekly live sessions from industry experts to help with topic walk-throughs, doubt resolution and personalised project feedback. Offline sessions such as Basecamps and Hackathons.

Hands-On Projects and Hackathons

60+ case studies to choose from as well as a Capstone Project and a Hackathon every quarter to apply learnings.



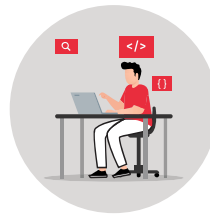
Industry Projects



IMDb Movie Analysis



Uber Supply-Demand Gap



Lead Scoring



Fraud Detection



Creditworthiness of Customers



Speech Recognition

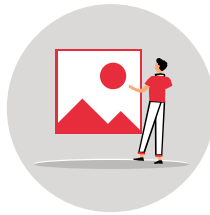


Image Captioning



Gesture Recognition



Social Media Listening



Telecom Churn



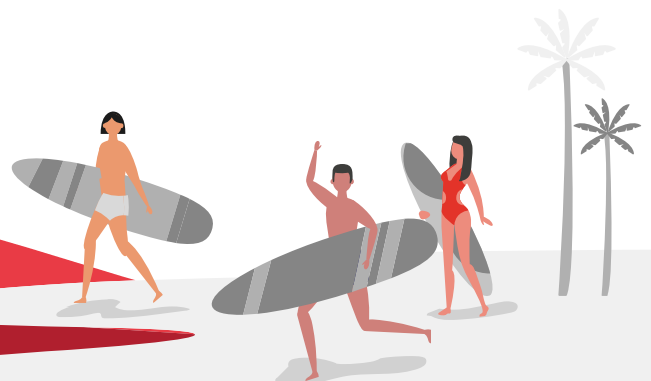
Interactive Market Campaign Analysis



Retail Giant Sales Forecasting



And many more!



Learning Path



Preparatory Course

2 weeks

Tools: Python, Excel



Data Toolkit

11 weeks

Tools: Python, Excel, MySQL



Machine Learning

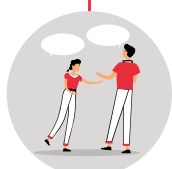
9 weeks

Tools: Python, Excel



Choose any of the 5 Specialisations

19 weeks



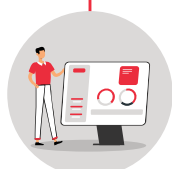
Natural Language Processing

Tools: Python, Excel



Deep Learning

Tools: Python, Excel, TensorFlow



Business Analytics

Tools: Python, MySQL, Excel



Business Intelligence/ Data Analytics

Tools: Python, Power BI, Excel, MySQL, MongoDB, Shiny, Tableau



Data Engineering

Tools: Hadoop, HBase, Sqoop, Hive, Flume, PySpark, Spark, Airflow



PG Diploma in Data Science (Natural Language Processing)



PG Diploma in Data Science (Deep Learning)



PG Diploma in Data Science (Business Analytics)



PG Diploma in Data Science (Business Intelligence/ Data Analytics)



PG Diploma in Data Science (Data Engineering)



Diploma Curriculum

COMMON CURRICULUM

PREPARATORY COURSE

1

DATA ANALYSIS IN EXCEL

Taught by one of the most renowned data scientists in the country (S. Anand, CEO, Gramener), this module takes you from a beginner level Excel user to an almost professional user.

2

ANALYTICS PROBLEM SOLVING

This module covers concepts of the CRISP-DM framework for business problem solving.

DATA TOOLKIT

1

DATA ANALYSIS USING SQL

Data in companies is definitively not stored in Excel Sheets! Learn the fundamentals of databases and extract information from RDBMS using the structured query language.

2

INTRODUCTION TO PYTHON

Build a foundation for the most in-demand programming language of the 21st century.

3

PROGRAMMING IN PYTHON

Learn how to approach and solve logical problems using programming.

4

PYTHON FOR DATA SCIENCE

Learn how to manipulate datasets in Python using Pandas, which is the most powerful library for data preparation and analysis.

5

VISUALISATION IN PYTHON

Humans are visual learners and hence no task related to data is complete without visualisation. Learn how to plot and interpret various graphs in Python and observe how they make data analysis and drawing insights easier...

6

IMDb MOVIE ASSIGNMENT

Reinforce the concepts learnt in data science through this assignment involving the past one-hundred years of movie data.

7

EXPLORATORY DATA ANALYSIS

Learn how to find and analyse patterns in the data to draw actionable insights.

8 INFERENCE STATISTICS

Build a strong statistical foundation and learn how to 'infer' insights from a large population using a small sample.

9 HYPOTHESIS TESTING

Understand how to formulate and validate hypotheses to solve real-life business problems.

10 CREDIT EDA CASE STUDY

Solve a real industry problem through the concepts learnt in exploratory data analysis.

MACHINE LEARNING

1 INTRODUCTION TO MACHINE LEARNING AND LINEAR REGRESSION

Venture into the machine learning community by learning how one variable can be predicted using several other variables through a housing dataset where you will predict the prices of houses based on various factors.

2 LINEAR REGRESSION ASSIGNMENT

Build a model to understand which factors influence car prices and help a Chinese company enter the US car market.

3 LOGISTIC REGRESSION

Learn your first binary classification technique by determining whether customers of a telecom operator are likely to churn to help the business retain customers.

4 UNSUPERVISED LEARNING: CLUSTERING

Learn how to group elements into different clusters when you don't have any pre-defined labels to segregate them through K-means clustering, hierarchical clustering, and more.

5 BUSINESS PROBLEM SOLVING

Learn how to approach open-ended real problems using data as a lever to draw actionable insights.

6 UNSUPERVISED + SUPERVISED ASSIGNMENT

Apply the machine learning concepts learnt to solve a real-life predictive analytics problem.

7 LEAD SCORING CASE STUDY

Help the Sales team of your company identify which leads are worth pursuing through this classification case study.

TOOLS USED

PYTHON

EXCEL

SPECIALISATION 1:

NATURAL LANGUAGE PROCESSING

MACHINE LEARNING II

1

TREE MODELS

Learn how the human decision-making process can be replicated using a decision tree and other powerful ensemble algorithms.

2

MODEL SELECTION AND GENERAL MACHINE LEARNING TECHNIQUES

Learn the pros and cons of simple and complex models, the different methods for quantifying model complexity and also general ML techniques.

3

BAGGING AND BOOSTING

Learn about ensemble modelling through bagging and boosting, and understand how weak algorithms can be transformed into stronger ones.

4

ADVANCED REGRESSION

In this module, take a more advanced look at regression models and learn the concepts related to regularisation.

5

ADVANCED REGRESSION ASSIGNMENT

Build a regularised regression model to understand the most important variables to predict housing prices in Australia.

6

PRINCIPAL COMPONENT ANALYSIS

Understand important concepts related to dimensionality reduction, the basic idea and learning algorithm of PCA and its practical applications on supervised and unsupervised problems.

7

TIME SERIES ANALYSIS

In this module, you will learn how to analyse and forecast a series that varies with time.

8

TELECOM CHURN CASE STUDY

Solve the most crucial business problem for a leading telecom operator in India and Southeast Asia: predicting customer churn.

NATURAL LANGUAGE PROCESSING

1

LEXICAL PROCESSING

In this module learn how to build a spell-checker and spam detector using techniques like phonetic hashing, bag-of-words, TF-IDF, and many more.

2

SYNTACTIC PROCESSING

Learn how to analyse the syntax or the grammatical structure of sentences with the help of algorithms and techniques like HMM, Viterbi Algorithm, Named Entity Recognition (NER), and many more.

3 SYNTACTIC PROCESSING ASSIGNMENT

Build a POS tagger for tagging unknown words using HMM and modified Viterbi Algorithm.

4 SEMANTIC PROCESSING

Learn about the most interesting areas in the field of NLP to build an application that extracts opinions about socially relevant issues (such as demonetisation) on social media platforms.

5 CHATBOT CASE STUDY

Build your own restaurant-search chatbot with the help of RASA, an open-source framework, and deploy it on Slack.

CAPSTONE PROJECT

1 CAPSTONE PROJECT

Choose from a range of real-world industry woven projects on advanced topics like Recommendation Systems, Fraud Detection, Emotion Detection from Faces, Social Media Listening, Speech Recognition and many others.

TOOLS USED

PYTHON

EXCEL

TENSORFLOW



SPECIALISATION 2:

DEEP LEARNING

MACHINE LEARNING II

1

TREE MODELS

Learn how the human decision-making process can be replicated using a decision tree and other powerful ensemble algorithms.

2

MODEL SELECTION AND GENERAL MACHINE LEARNING TECHNIQUES

Learn the pros and cons of simple and complex models, the different methods for quantifying model complexity and also general ML techniques.

3

BAGGING AND BOOSTING

Learn about ensemble modelling through bagging and boosting, and understand how weak algorithms can be transformed into stronger ones.

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In this module, you will learn how to analyse and forecast a series that varies with time.

8

TELECOM CHURN CASE STUDY

Solve the most crucial business problem for a leading telecom operator in India and Southeast Asia: predicting customer churn.

DEEP LEARNING

1

INTRODUCTION TO NEURAL NETWORKS

Learn the most sophisticated and cutting-edge technique in ML: Artificial Neural Networks or ANNs.

2

NEURAL NETWORKS ASSIGNMENT

Build a neural network from scratch in Numpy to identify handwritten digits.

3

SYNTACTIC PROCESSING ASSIGNMENT

Build a POS tagger for tagging unknown words using HMM and modified Viterbi Algorithm.

4 CONVOLUTIONAL NEURAL NETWORKS - INTRODUCTION AND INDUSTRY APPLICATIONS

Learn the basics of CNN and OpenCV, and apply it to Computer Vision tasks like detecting anomalies in chest X-Ray scans or running vehicles detection to help the government ascertain the width and strength of the road.

5 RECURRENT NEURAL NETWORKS

Ever wondered what goes behind machine translation, sentiment analysis, or speech recognition? Learn how RNN helps in these areas through sequential data like text, speech, videos, and a lot more.

6 GESTURE RECOGNITION

Make a Smart TV system that can control a TV via the user's hand gestures as remote control.

CAPSTONE PROJECT

1 CAPSTONE PROJECT

Choose from a range of real-world industry woven projects on advanced topics like Recommendation Systems, Fraud Detection, Emotion Detection from Faces, Social Media Listening, Speech Recognition among many others.

TOOLS USED

PYTHON EXCEL



SPECIALISATION 3:

BUSINESS ANALYTICS

MACHINE LEARNING II

1

TREE MODELS

Learn how the human decision-making process can be replicated using a decision tree and other powerful ensemble algorithms.

2

TIME SERIES ANALYSIS

In this module, you will learn how to analyse and forecast a series that varies with time.

3

RETAIL GIANT SALES FORECASTING ASSIGNMENT

Apply the concepts learnt in time series to solve a forecasting problem for a retail giant.

4

MODEL SELECTION AND GENERAL MACHINE LEARNING TECHNIQUES

Learn the pros and cons of simple and complex models, the different methods for quantifying model complexity and also general ML techniques.

5

TELECOM CHURN CASE STUDY

Solve the most crucial business problem for a leading telecom operator in India and Southeast Asia: predicting customer churn.

BUSINESS REQUIREMENTS

1

ADVANCED SQL AND BEST PRACTICES

Apply advanced SQL concepts like windowing and procedures to derive insights from data and answer pertinent business questions.

2

ADVANCED EXCEL

Learn the advanced concepts in Excel and start to perform data analysis like a pro!

3

SYNTACTIC PROCESSING ASSIGNMENT

Build a POS tagger for tagging unknown words using HMM and modified Viterbi Algorithm.

4

STRUCTURED PROBLEM SOLVING USING FRAMEWORKS

Learn how to attack a business problem using various frameworks like 5W, 5WHYs, and SPIN.

5

HYPOTHESIS FORMULATION

This module will equip you with a stepwise process for understanding a business problem and building hypotheses around it.

6

ASSIGNMENT

Apply your learnings from the course to solve a real-life business problem.

7

REVENUE AND OPERATIONAL COST MODELLING

Understand financial concepts such as revenue, cost of goods sold, profit, balance sheets, cash flow

8 EFFECTIVE COMMUNICATION STRATEGIES, FORMATS, AND TEMPLATES

Learn how to effectively strategise, communicate, and fine-grain your data analysis projects.

9 PRESENTATIONS TO TECHNICAL AND NON-TECHNICAL STAKEHOLDERS

Understand how to optimally present your findings to technical and non-technical stakeholders and upgrade your storytelling skills.

10 BUSINESS CASE STUDY

Understand how a project in the industry is taken up and solved through a comprehensive business case study.

CAPSTONE PROJECT

1 CAPSTONE PROJECT

Solve an end-to-end real-life industry problem from a wide variety of domains like Marketing, Retail, E-Commerce, Supply Chain, Healthcare, BFSI, and many more.

TOOLS USED

TABLEAU

MYSQL

EXCEL

MONGODB

POWER BI

SHINY



SPECIALISATION 4:

BUSINESS INTELLIGENCE / DATA ANALYTICS

DATA ANALYST TOOLKIT

1

INTRODUCTION TO DATABASES

Learn how data is stored and which database is optimal to use in a particular scenario.

2

ADVANCED SQL AND BEST PRACTICES

Apply advanced SQL concepts like windowing and procedures to derive insights from data and answer pertinent business questions.

3

DATA ACQUISITION ASSIGNMENT

Reinforce the concepts learnt in SQL and solve this comprehensive assignment involving hundreds of queries.

4

NOSQL DATABASES AND BEST PRACTICES

Take your knowledge of query languages a step further by learning about MongoDB: a NoSQL database which is becoming more and more popular in the industry.

5

INTRODUCTION TO CLOUD AND HIVE

Understand the basics of cloud and learn about the Hive Query Language.

6

SQL CASE STUDY

Understand how a project in the industry is taken up and solved through a comprehensive business case study.

STORYTELLING WITH ADVANCED VISUALISATION

1

ADVANCED EXCEL

Learn the advanced concepts in Excel and start to perform data analysis like a pro!

2

VISUALISATION USING TABLEAU

Learn advanced visualisation techniques using the most in-demand visualisation tool in the industry.

3

INTERACTIVE MARKETING CAMPAIGN ANALYSIS

Apply the newly found Excel and Tableau skills to solve an exciting business assignment.

4

VISUALISATION USING POWER BI

Take your visualisation game a step forward by understanding how to operate Power BI.

5

INTRODUCTION TO R AND R SHINY

Get a brief introduction to another popular data science language, learn how to manipulate dataframes in R, and learn to create attractive dashboards and web applications using R Shiny.

6

EFFECTIVE COMMUNICATION STRATEGIES, FORMATS, AND TEMPLATES

Learn how to effectively strategise, communicate, and fine-grain your data analysis projects.

7 PRESENTATIONS TO TECHNICAL AND NON-TECHNICAL STAKEHOLDERS

Understand how to optimally present your findings to technical and non-technical stakeholders and upgrade your storytelling skills.

8 BUSINESS CASE STUDY

Understand how a project in the industry is taken up and solve a business case study.

CAPSTONE PROJECT

1 CAPSTONE PROJECT

Solve an end-to-end real-life industry problem from a wide variety of domains like Marketing, Retail, E-Commerce, Supply Chain, Healthcare, BFSI, and many more.

TOOLS USED

PYTHON

MYSQL

EXCEL



SPECIALISATION 5:

DATA ENGINEERING

DATA ENGINEERING I

- 1 INTRODUCTION TO HADOOP AND MAPREDUCE PROGRAMMING**
Understand the world of distributed data processing and storage with Hadoop. Learn to write MapReduce jobs in Python.
- 2 DATA MANAGEMENT AND RELATIONAL DATABASE MODELLING**
Understand the concepts of Data Management and learn to model data from a Relational Database.
- 3 NOSQL DATABASES AND APACHE HBASE**
Learn the concepts of NoSQL databases. Understand the workings of Apache HBase.
- 4 DATA WAREHOUSING (OPTIONAL)**
Understand the intricacies behind designing a data warehouse and a data lake for your use case.
- 5 DATA INGESTION WITH APACHE SQOOP AND APACHE FLUME**
Get familiar with the challenges involved in data ingestion. Use Sqoop and Flume to ingest structured and unstructured data into Hadoop.
- 6 ASSIGNMENT (OPTIONAL)**
Practice the concepts learnt so far with this comprehensive assignment.
- 7 BUILDING AND QUERYING DATA WAREHOUSE WITH APACHE HIVE**
Manage and query a data warehouse with Apache Hive. Learn to write optimized HQL for large scale data analysis.
- 8 CASE STUDY: INGESTION & WAREHOUSING**
Make use of Sqoop, Flume, Hive and HBase to design an ETL data pipeline.

DATA ENGINEERING II

- 1 DATA PROCESSING WITH PYSPARK**
Get introduced to Apache Spark, a lightning-fast big data processing engine. Use PySpark to create large scale data processing applications.
- 2 REAL-TIME DATA STREAMING WITH APACHE KAFKA**
Understand the producer-consumer architecture of Apache Kafka. Learn to set up a Kafka cluster for managing real-time data.
- 3 REAL-TIME DATA PROCESSING USING SPARK STREAMING**
Learn about the real-time data processing architecture of Apache Spark. Build Spark Streaming applications to process data in real-time.

4 KAFKA & SPARK ASSIGNMENT (OPTIONAL)

Use Kafka and Spark to develop a real-time data processing application.

5 BUILDING AUTOMATED DATA PIPELINES WITH OOZIE/AIRFLOW

Automate your Data Pipeline with Apache Airflow.

6 ANALYTICS USING PYSPARK

Use PySpark to do EDA and Predictive Analysis of large datasets.

7 CASE STUDY: KAFKA, SPARK STREAMING AND PYSPARK

Build an end-to-end real-time data processing application using Spark Streaming and Kafka.

CAPSTONE PROJECT

1 CAPSTONE PROJECT

The capstone project will stitch all the components of data engineering together.

TOOLS USED

HADOOP

APACHE HBASE

SQOOP

HIVE

APACHE FLUME

PYSPARK

APACHE SPARK

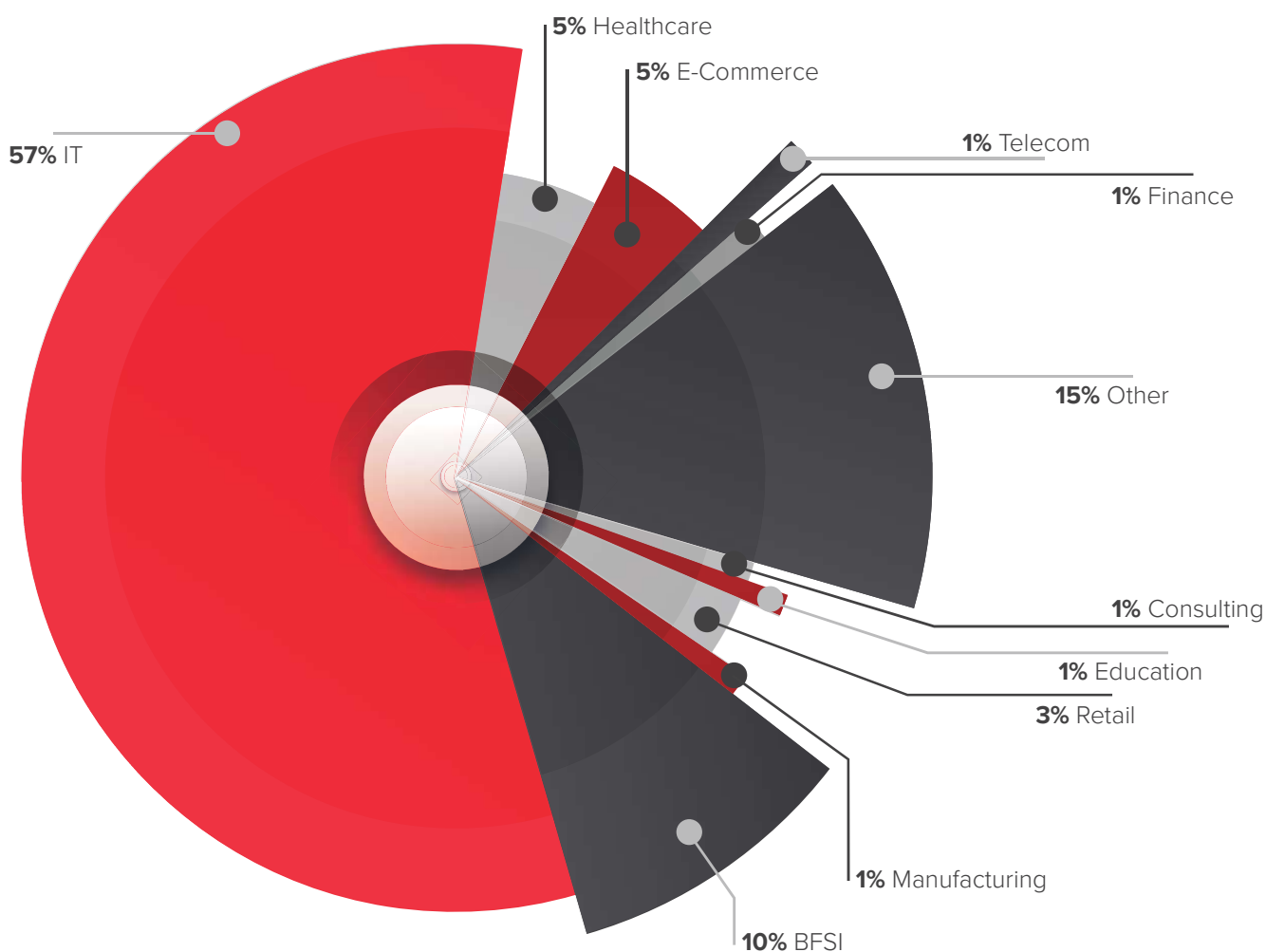
APACHE AIRFLOW



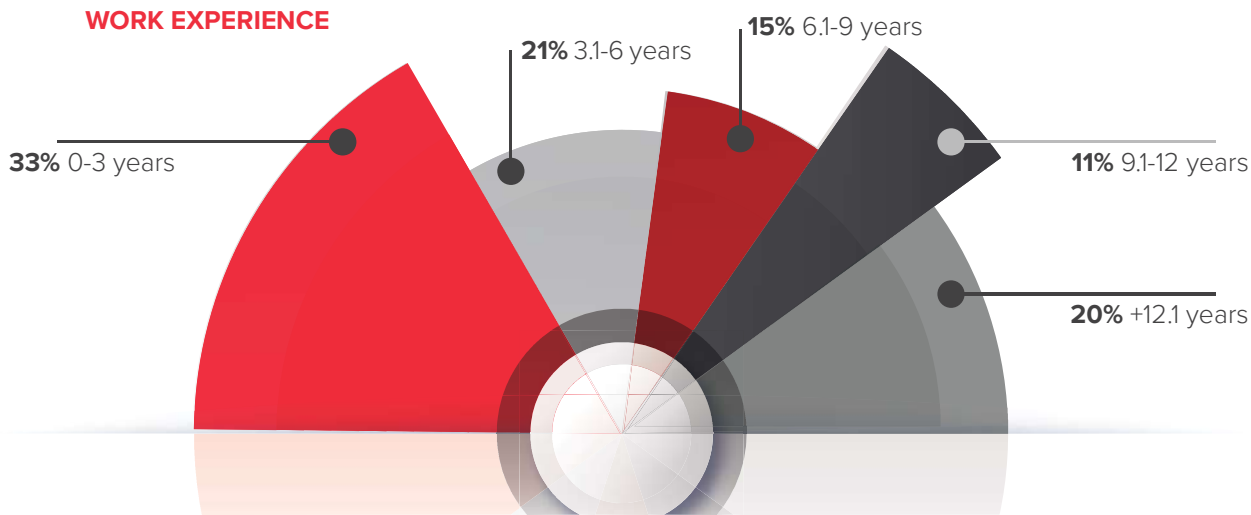


Meet the Class

INDUSTRIES OUR STUDENTS COME FROM



WORK EXPERIENCE



Career Support

Just-In-Time Interviews

Get company and role-specific preparation with mock interviews right before your actual interviews.

Job Opportunities Portal

Gain exclusive access to upGrad's 200 job openings each quarter, giving you the opportunity to be interviewed by upGrad's hiring partners.

Personalised Mentorship

Get mentored by an experienced data science industry expert and receive personalised feedback with 4 calls spread over a period of 3 months.

Resume Review

Obtain specific, personalised inputs on your resume structure and content.

upGrad Career Fairs

Regular hiring drives in major cities across India, giving you the opportunity to interview with upGrad's 300+ hiring partners, ensuring you get every opportunity you deserve.

Post Graduation Career Support

Career sessions are continued post graduation because we want you to have all the help you need. These include: 80 hours of live sessions with industry mentors to guide you, dedicated mentorship, and access to upGrad's career assistance resources.

Company-Specific Preparation

Get company-specific guidance with access to a carefully curated pool of interview resources per company to ensure you are interview-ready for the company of your choice.

Career Mentor

Get a dedicated career mentor to help track your weekly company application targets, coach you on your profile, and support you during your career transition journey.



Our Alumni Work at

PROGRAM SUMMARY


















12,600+
Enrolled Learners

₹72 lpa
Highest Salary Hike

400%
Highest Salary Hike

58%
Average Salary Hike

upGrad has a network of over 100 companies who look to recruit graduates from our programs. Some of these well-known companies include:

Career Transitions



Abhishek Singh

MIS Executive (F&B)
Batch: March 2018



Senior Data Analyst, Myntra
(Oct 2019)



Ayush Modi

Associate Consultant (IT)
Batch: March 2018



Marketing Analyst,
Globalization Partners
(July 2019)



Ashish Y

Asst. Manager
(Manufacturing/Production)
Batch: Sept 2018



Business Analyst, Arvind
(Sept 2019)



Jai Krishna

Fresher
Batch: Sept 2018



Business Analyst, Quantzig
(Nov 2019)



Shadab Hussain

Data Scientist (IT)
Batch: Sept 2018



Analyst, TheMathCompany
(July 2019)



Damodar Bandi

Global Supply Chain Analyst
(Software)
Batch: Dec 2018



Sr. Business Analyst, Data
Semantics
(Aug 2019)



Shubhadip B

Technical Project Manager
(Tech Solutions)
Batch: June 2018



Sr. Technical Project Manager,
Aurionpro
(Oct 2019)



Deepshikha

Senior Associate (Tech)
Batch: March 2019



Data Analyst, Amazon
(Nov 2019)



Rohit W

Quality Assurance Tester
(BFSI)
Batch: Jan 2019



Python Automation Engineer,
Credit Suisse
(July 2019)



Hariharan S

AVP (BFSI)
Batch: March 2018



Project Manager, HSBC
(Aug 2019)



Mohit Mamgain

Internship (IT)
Batch: March 2018



Data Analyst, Shine.com (Aug
2019)



Aakash Dusane

Software Engineer (Software)
Batch: Dec 2018



Data Scientist, Quantzig
(Aug 2019)



Sri Harsha Ravi

Principal Data
Structure Engineer (IT)
Batch: Sept 2018



Senior Data Scientist, IHS
Markit
(Nov 2019)



Sujit Nalawade

Software Engineer (IT)
Batch: Sept 2018



Data Analyst, Xoriant



Sudha Choudhary

Fresher
Batch: June 2018



Internship - AI Engineer,
Athancare
(July 2019)



Nishant Chalasany

Project Manager (Agro)
Batch: March 2019



Analytics Operations Lead,
Syngenta
(July 2019)



Ganesh Varanasi

Analyst (BFSI)
Batch: March 2018



Data Scientist, Innominds
(July 2019)



Anshul Srivastava

Business Analyst (BFSI)
Batch: Sept 2018



Associate Consultant, Fractal
(Aug 2019)



Anshul Kumar

Analyst (BFSI)
Batch: March 2019



Data Science Intern,
Merkle Sokrati
(Aug 2019)



Sylvester Pinto

Senior Software Engineer (IT)
Batch: Dec 2018



Data Associate, J.P. Morgan
(June 2019)



Ansuman Das

Risk Analyst (IT)
Batch: March 2019



Specialist Data Analyst,
Novartis
(Aug 2019)

Experience upGrad Offline



UPGRAD BASECAMPS

Held across all major cities in India, upGrad basecamps bring together learners, faculty and industry experts for a power-packed day of activities, career building sessions and live group projects. Get to know your peers and faculty, and hone your networking skills in an exciting environment.

CAREER FAIRS

Attend regular hiring drives in major cities across India, giving you the opportunity to interview with upGrad's 300+ hiring partners ensuring you get every opportunity you deserve.



HACKATHONS

Team up and put your learning to use with our offline Hackathons: designed to help you apply concepts and meet, network, and grow!





Hear from Our Learners

**Vijay Mudivedu, Experience: 7+ Years**

"I would like to thank each one of the team at upGrad for their relentless work. Be it coursework, pedagogy, student support, grievances handling, etc., upGrad has done a phenomenal job in working to make our dreams a reality. Keep up the good work, as this is the beginning of a new journey and I wish you good times in all your endeavours."

Kunwar Alok, Experience: 15+ Years

"You may not believe it but I had never done coding in my life. I did it during this course and was thrilled to see the outcomes coming out of those codes. Just the way I used to get happy after solving a good (tough) math problem during my school age. Thanks to upGrad for providing a great service to people like us who at the age of 43 can dream to study with budding talents around."

**Sachin Aggarwal, Experience: 18+ Years**

"Learning with IIT-B and upGrad has been an experience like no other. Being an online program, you have your worries about how the program and teaching methods will be. My favourite part about the learning experience has been programming through well designed and thoughtful content shared by IIT-B professors and industry experts on upGrad platforms. Kudos to upGrad."

Savita Upadhaya, Experience: 4 Years

"It has been an amazing journey with upGrad till now. Starting with their course material to live sessions to mentor support, each helps you to always be on track and progress efficiently with the Data Science course. My sincere thanks to the entire team of upGrad and Professors of IIT-B for showing me the path and direction for my dream to become a Data Analyst."

**Sidharth Mahapatra, Experience: 3 Years**

"The concepts of R programming and Machine Learning will be taught by Prof. Chandrasekhar Ramanathan and Prof. G Srinivasaraghavan respectively. Both of them have been listed in the list of the top twenty most prominent Data Science academics published by Analytics India Magazine. So you need not worry about quality of teaching in this program."

**Tuhin Pal, Experience: 5 Years**

"I appreciate the platform upGrad has provided and how they have arranged modules and assignments. Modules are locked until you complete the previous one, so it feels like clearing a semester and going to the next one."

Harkirat Dhillon, Experience: 8 Years

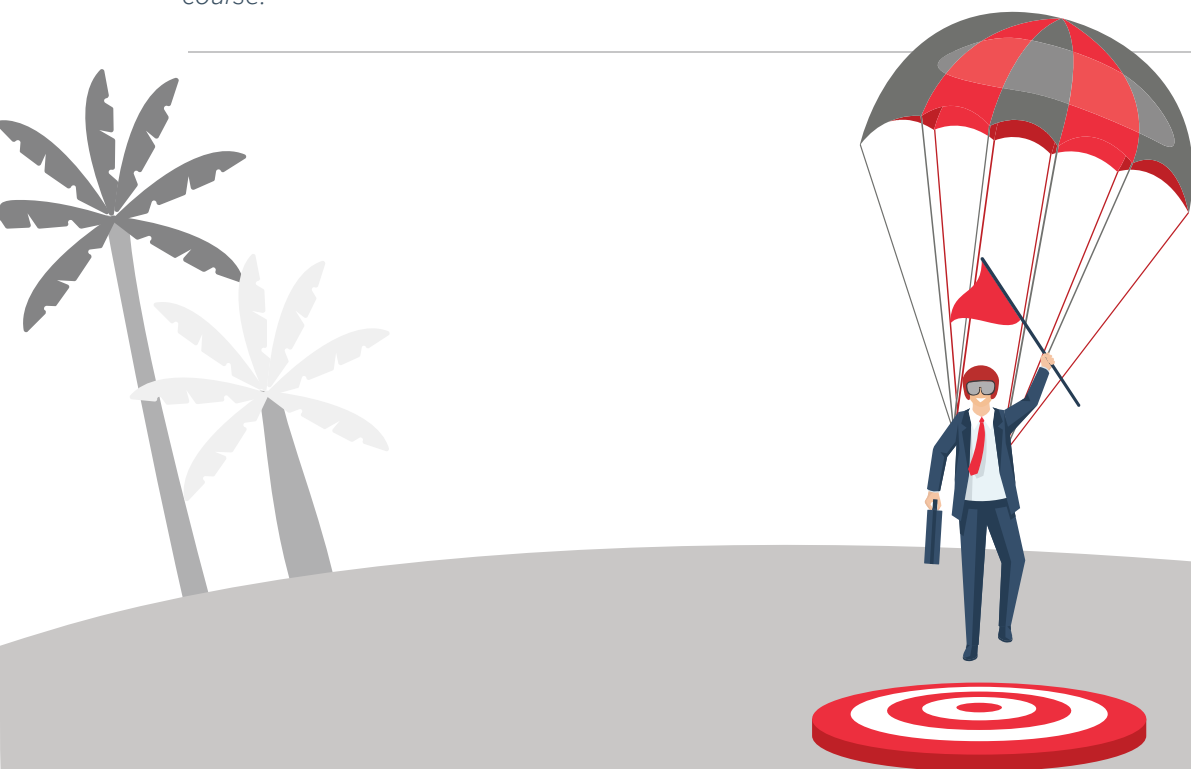
"A dedicated studying regime is the key to be successful and pass the program. This program will help build a strong foundation for a successful transition into Data Science. Additionally, participating in Hackathons and Kaggle competitions to solve real-world problems will definitely give you an edge and land a job if one is willing to work hard."

**Shravani Shahapure, Experience: 16 Years**

"For someone who really wants to pursue a career in the field of Data Science, it is worth opting for the complete course by IIIT-B and upGrad. IIIT-B and upGrad's online program on Data Science gives many opportunities and develops students for their future as they provide the best professors, thought-provoking assignments and case studies."

Sagar Tekwani, Experience: 2 Years

"A very well-structured and well-balanced program content which you won't get in other programs/nano-degrees. Being a beginner in DS, I found the structure of PG Diploma from IIIT-B and upGrad most helpful. They even teach you most of the prerequisites with prep sessions before you even start the course. Being a working professional, it was neither too difficult nor too easy to keep up with the pace of the course."





Program Details and Admission Process

PROGRAM DURATION AND FORMAT

12 Months | Online

PROGRAM FEE

INR 2,85,000 (Incl. of all taxes.)

PROGRAM START DATES

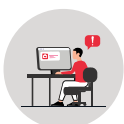
Please refer to the website for program start dates.

www.upgrad.com/data-science-pgd-iiitb/

ELIGIBILITY

Bachelor's Degree with 50% or equivalent passing marks. No coding experience required.

WEEKLY COMMITMENT (12-15 hours/week)



6-7 HOURS

Asynchronous learning time.



6-7 HOURS

Assignments and projects.



1 LIVE SESSION

Every two weeks.

SELECTION PROCESS



STEP 1: Selection Test

Fill out an application and take a short 17-minute online test with 11 questions.



STEP 2: Review and Shortlisting of Suitable Candidates

Our faculty will review all applications, considering the educational and professional background of an applicant and review the test scores where applicable. Following this, Offer Letters will be rolled out so you are assured a great peer group to learn and network with.



STEP 3: Enrollment for Access to Prep Content

Make a quick block payment with assistance from our loan partners where required, receive immediate access to the prep content and begin your upGrad journey.

FOR FURTHER INFORMATION, CONTACT

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COMPANY INFORMATION

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