

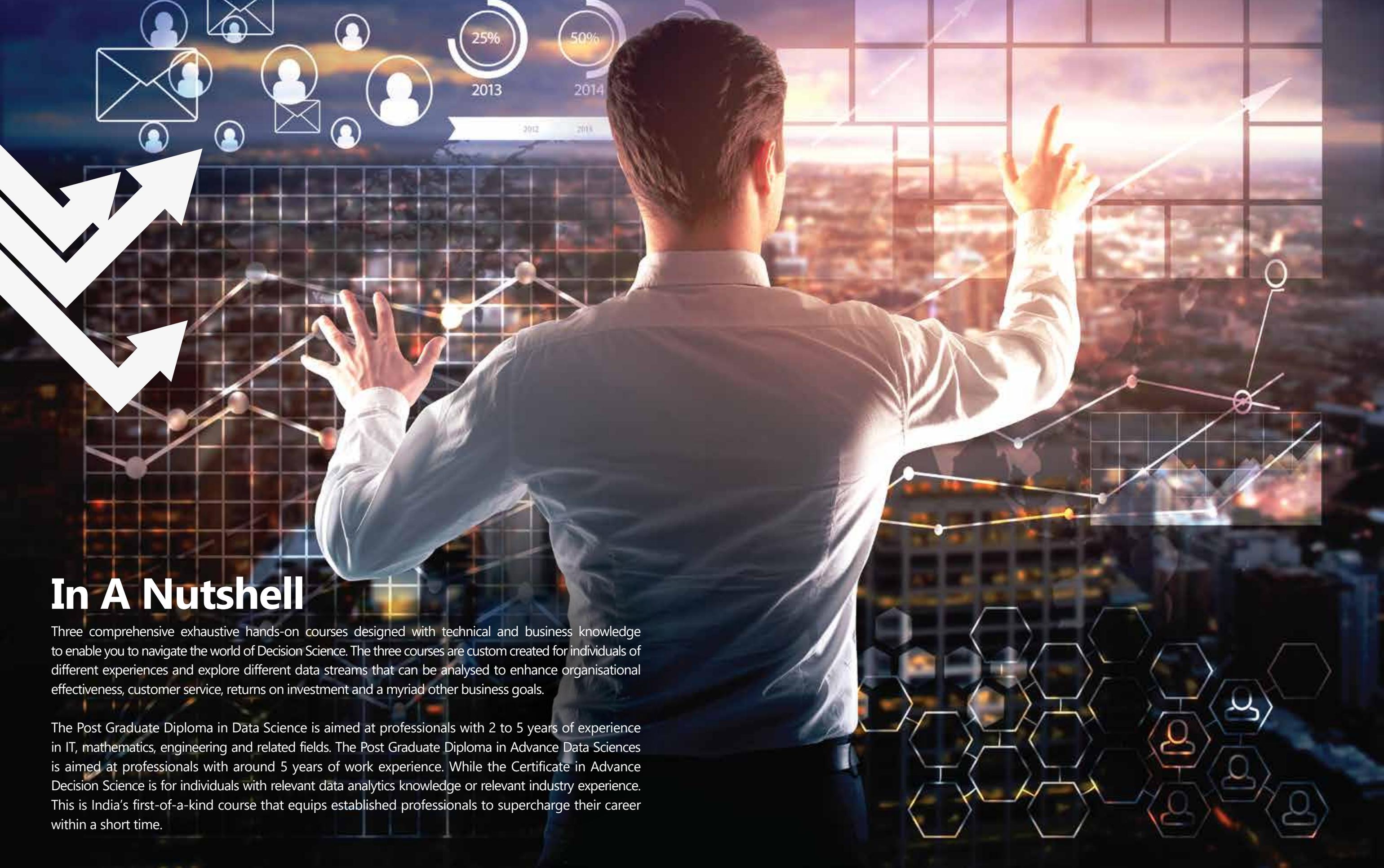


Unravel the world of big data with comprehensive courses on Decision Science

- Post Graduate Diploma in Data Science
- Post Graduate Diploma in Advance Data Sciences
- Certificate in Advance Decision Science



TIMESPRO
GRADUATE TO PROFESSIONAL



In A Nutshell

Three comprehensive exhaustive hands-on courses designed with technical and business knowledge to enable you to navigate the world of Decision Science. The three courses are custom created for individuals of different experiences and explore different data streams that can be analysed to enhance organisational effectiveness, customer service, returns on investment and a myriad other business goals.

The Post Graduate Diploma in Data Science is aimed at professionals with 2 to 5 years of experience in IT, mathematics, engineering and related fields. The Post Graduate Diploma in Advance Data Sciences is aimed at professionals with around 5 years of work experience. While the Certificate in Advance Decision Science is for individuals with relevant data analytics knowledge or relevant industry experience. This is India's first-of-a-kind course that equips established professionals to supercharge their career within a short time.

Introduction

If there's one word bigger than 'Oil' right now, it's 'Data'. Data drives the world. This small word holds within it the key to business insights, customer acquisition, product development, innovation, you name it! Every organisation, big or small can crumble or strengthen with the power of data. Where offline data is a huge chunk, an increasingly digital-driven world also boasts of data that is more measurable and trend-reflective.

It is no surprise then that the science of data has become a popular discipline. Big data can lead to valuable insights that can determine leads to increase sales, fraud detection, pattern recognition and risk prediction in various domains.

The three courses designed by TimesPro in association with Technical Partner, NVIDIA equip participants to develop a thorough understanding of Data Analysis in order to find creative solutions to business problems across domains.

A 100% instructor-led training, market-led and application-oriented curriculum, these courses are conducted at world-class Technical centres in Bengaluru, Mumbai, Delhi, Hyderabad, Chennai, Kolkata and Pune. They will be taught by leading technical and academic minds to inspire participants to navigate through the exciting world of Big Data. A hands-on approach with extensive industry interaction and real-world problem-solving will give you the edge in today's competitive workforce. Extensive placement assistance ensures that the participants get the right guidance for their career.

About NVIDIA: Technical Partner

The NVIDIA Deep Learning Institute (DLI) offers hands-on training for developers, data scientists, and researchers looking to solve the world's most challenging problems with deep learning. Through self-paced online labs and instructor-led workshops, DLI provides training on the latest techniques for designing, training, and deploying neural networks across a variety of application domains. Known as the 'AI Computing Company', NVIDIA sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionised parallel computing with the invention of the GPU in 1999. With a \$6.90 billion in revenue and market capitalisation of about \$84 billion, NVIDIA is a global leader in deep learning and AI.

The association of NVIDIA with TPL helps bring offerings in deep learning and AI to a wider Indian demographic. Times Professional Learning and NVIDIA has collaborated for conducting instructor-led, hands-on labs and workshops to help developers and researchers learn the skills for applying deep learning to solve specific problems. With demand growing at a very fast pace for developers and researchers with AI skills, this collaboration will help students and industry participants learn the latest techniques on how to design, train and deploy Artificial Neural Networks using the state-of-the-art Deep Learning approach. They will be exposed to widely used deep learning frameworks and NVIDIA's latest GPU-accelerated deep learning platforms.

Data Analytics – The New Cash Cow

Data has real value and every information extracted from it can make or break businesses. Being adept in Decision Science therefore, comes with its own powers.

- According to the Analytics India Report 2017, the next boom in the private sector is Big Data
- The Harvard Business Review has termed Data Science as the "Sexiest Job of the 21st century" stating, "There simply aren't a lot of people with their combination of scientific background and computational and analytical skills"
- Professionals with the skillset of Big Data and Machine Learning can command huge salaries
- According to PwC, there is a growing trend in organisations to hire skilled resources in the fields of Data Science, followed by Business Intelligence and Computer Vision
- Easy access to Big Data and massive processing power has made Machine Learning techniques more popular than ever amongst data scientists
- Hadoop skills, in combination with Spark and Tableau, along with knowledge of popular databases like Mongo and Cassandra, make a winning combination

India's Analytics Industry: Key Facts



Post Graduate Diploma in Data Science

This program equips participants with skills and knowledge to influence decision making, strategy, and operations with fact-based insights and address real-world business problems in real-time. It focuses on the understanding of latest analytical concepts like Descriptive, Predictive and Prescriptive Analytics to solve business problems.

During the program, participants will learn the strength of Data Science tools on updated technology platforms. The learners will be exposed to classroom teaching and hands-on training of analytical tools with the aim of being skilled data scientists.

The program is delivered by a team of leading faculty members and industry experts through classroom sessions, instructions along with hands-on sessions. It is designed on a schedule that minimises disruption of work by including full days (6 hours) of weekends for classes.

Program USP

- Hand holding from scratch to Data Scientist skillset development in a face-to-face instructor-led classroom training
- Optimum mix of concepts, tools and techniques, advanced analytics, soft skills and business acumen
- Association with Technical Partner, NVIDIA
- Regular interaction with industry and opportunities to solve real-world problems in industries like Retail, BFSI, HR, Telecom and others
- Learning on updated technology platforms from world-class faculty and industry leaders with extensive experience
- Capstone projects
- Placement assistance

Who Should Apply

- Entry and Middle level managers with minimum 2 years of work experience (desired experience is 4-5 years) who seek career advancement via specialised training in Business Analytics / Data Sciences applied to their field
- Should possess a Bachelor's or Master's Degree in Science / Engineering / Mathematics / Statistics / Economics or an equivalent qualification (with Mathematics / Statistics as one of the subjects)
- High potential executives having exposure to analytics due to specific client projects and who apply quantitative techniques to arrive at effective decisions
- Freshers with an analytic bent of mind and superlative academic credentials with Engineering background

Duration

Industry Relevant and Rigorous Curriculum: Distinctive program content for 380 hours designed by experts.

Program Modules

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|------------------|-----------------------------------|----------|------------------------------------|----------|---|
| Module 1 | Introduction | Module 2 | Data Management | Module 3 | Data Discovery and Visualization |
| Module 4 | Analytical Foundation | Module 5 | Introduction to Advanced Analytics | Module 6 | Data Mining and Machine Learning |
| Module 7 | Application of Business Analytics | Module 8 | Deep Learning | Module 9 | Career Orientation and Soft Skill Development |
| Capstone Project | | | | | |

Pedagogy

- Classroom sessions, simulation exercises that draw upon Indian and global cases
- Individual and group assignments, discussions and feedback
- Capstone project

Admission Criteria

Successful clearance of Admission Test and Personal Interview

Total Fees

INR 2,00,000

Evaluation Methodology

- Tests
- Assignments
- Online Exam
- Others

Post Graduate Diploma in Advance Data Sciences

Advance Analytics is the intersection of business and data science, offering new opportunities for a competitive advantage. It unlocks the predictive potential of data analysis to improve financial performance, strategic management and operational efficiency. This course is for students interested in gaining knowledge in quantitative and technical methods as well as further developing their strategic and business management skills. It is delivered by a team of leading faculty members and industry experts through live classroom instruction along with hands-on sessions.

During the program, participants would learn the strength of Data Science tools on updated technology platforms. They will be equipped to influence decision-making, strategy and ultimately drive better business results by gaining the ability to transform data into a powerful and predictive strategic asset that can address real-world business problems in real-time.

Program USP

- In-depth learning modules for Advanced Analytics and Machine Learning
- Case study led problem-solving from industries like Retail, BFSI, HR, Healthcare and others
- Optimum mix of concepts, tools and techniques, soft skills and business acumen
- Learning on updated technology platforms from world-class faculty and industry leaders with extensive experience
- Capstone projects
- Association with Technical Partner, NVIDIA
- Placement assistance

Who Should Apply

- Entry, Middle, Senior level managers with minimum 5 years of relevant work experience (desired experience is more than 5 years) who seek career advancement via specialised training in advance data sciences applied to their field
- Professionals with 2 years of experience in data analytics and big data who apply quantitative techniques to make effective decisions, have an analytical aptitude and/or are looking for roles that drive strategy through utilising data
- Should possess a Bachelor's or Master's Degree in Science/Engineering/Mathematics/Statistics/Economics or an equivalent qualification (with Mathematics/Statistics as one of the subjects)

Duration

200 hours of distinctive program content designed by experts

Program Modules

| | | | | | |
|----------|--|----------|---|------------------|-----------------------------------|
| Module 1 | Introduction to Data Science , R, Python | Module 2 | Big Data (Hadoop & Spark) | Module 3 | Advanced Statistics |
| Module 4 | Data Mining and Machine Learning | Module 5 | Application of Business Analytics - 5 domains | Module 6 | Application of Business Analytics |
| Module 7 | Deep Learning | Module 8 | IoT Introduction | Capstone Project | |

Pedagogy

- Classroom sessions, simulation exercises that draw upon Indian and global cases
- Individual and group assignments, discussions and feedback
- Capstone project

Admission Criteria

Successful clearance of Personal Interview

Total Fees

INR 2,50,000

Evaluation Methodology

- Written Assignments
- Written Exam

Certificate in Advance Decision Science

Decision Science is the intersection of business and data science, offering new opportunities for a competitive advantage. Increasingly valuable to businesses around the world, Decision Science unlocks the predictive potential of data analysis to improve financial performance, strategic management and operational efficiency related decisions.

This course needs an understanding of math. As such, math, statistics, languages such as Python, R are covered as a pre-requisite in this course. In addition, in-depth learning modules for Advanced Analytics ensure that the course adapts to the participants' learning needs. The high-quality content is delivered by engaging instructors and builds deep technical skills in a classroom setting.

Program USP

- This is India's first-of-a-kind advanced Decision Science module geared to experienced professionals with more than 8 years of experience. Concise and targeted, it is the vitamin shot that can boost the career of established Data Scientists in a short time
- In-depth learning modules for Advanced Analytics
- Case-study-led problem-solving from different industries such as Retail, BFSI, HR, Telecom, and others
- Optimum mix of concepts, tools and techniques, soft skills and business acumen
- Learning on updated technology platforms from world-class faculty and industry leaders with extensive experience
- Association with Technical Partner, NVIDIA

Who Should Apply

- Working professionals with relevant experience in data analytics and big data experience who apply quantitative techniques to make effective decisions
- Should possess a Bachelor's or Master's Degree in Science/Engineering/Mathematics/Statistics/Economics or an equivalent qualification (with Mathematics/Statistics as one of the subjects)
- Data scientists who wish to acquire advanced knowledge and experienced professionals established within analytical roles who help drive strategy through utilising data

Duration

100 hours of distinctive program content designed by experts.

Program Modules

| | | | | | |
|----------|------------------|----------|--|--|-----|
| Module 1 | Machine Learning | Module 2 | Spark – Big Data with batch and real time data | Module 3 | IoT |
| Module 4 | Deep Learning | Module 5 | AI | Note: Individual modules can be taken up | |

Pedagogy

- Classroom sessions, simulation exercises that draw upon Indian and global cases
- Individual and group assignments, discussions and feedback

Admission Criteria

Successful clearance of Personal Interview

Total Fees

₹ (in Rs.)

| | |
|------------------------|----------|
| 100 hours | 1,75,000 |
| 20 hours IoT | 50,000 |
| 20 hours Deep Learning | 50,000 |
| 20 hours Big Data | 50,000 |

Faculty



Dr. Shailesh Kumar

Co-founder and Chief Scientist at Third Leap

18 years of experience saw Dr. Kumar lead the intelligence divisions at Google, Microsoft, Yahoo! and Fair Isaac Research. A TEDx speaker, he is a familiar face at Data Science events like the Fifth Elephant, Data Science Congress and NASSCOM Big Data & Analytics Summit. He serves as a Data Science advisor to a number of startups, tech companies, VCs and government agencies. Dr. Kumar was recognised as one of the top ten data scientists in India in 2015 by the Analytics India Magazine. As a visiting faculty at ISB and IIT, Hyderabad, he specialises in Machine Learning, Artificial Intelligence, Deep Learning, Natural Language Processing and more. He holds (20) patents and has published (20) international publications and book chapters in these areas.



Pradeepta Mishra

Industry Practitioner-Data Science, Deep Learning, Machine Learning and AI

A data science practice leader with more than a decade of experience, Mishra is a speaker and visiting faculty to some of the leading B-schools across India. He is the author of two expert theory books on R Data Mining and Mastering R for Data Science.



Ajit Jaokar

Director, AI/Deep Learning Labs, Future Cities, University of Madrid

Ajit Jaokar's work spans research, entrepreneurship and academia relating to AI, IoT, Predictive Analytics and mobility. He teaches a course at Oxford University on Data Science for IoT that includes Time Series, Sensor Fusion and Deep Learning. His book is included as a course book at Stanford University for Data Science for Internet of Things (IoT). He was recently included in top 16 influencers (Data Science Central), Top 100 blogs (KDnuggets), Top 50 (IoT Central), and No. 19 among top 50 Twitter IoT influencers (IoT Institute). In 2009, he was nominated to the World Economic Forum's Future of the Internet Council. In 2016 he was involved in a WEF council for systemic risk (IoT, Drones). He is also passionate about teaching Data Science to young people through Space Exploration and is currently working with ArduSat.



Gopi Krishna Dommaraju

Research Associate, Applied Statistics and Computing Lab,
Indian School of Business (ISB)

A distinguished academic with top honours, Dommaraju completed his B.Tech in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Hyderabad. He received the Spot Award from Sumtotal Systems Inc. for configuring SQL Server Reporting Services in 2010 and the Academic Project Excellence Award from the Indian Space Research Organization (ISRO) in 2007. He is currently working on a number of high profile projects at ISB, including the Portfolio Optimization using Logical Itemset Mining and Forecasting Bike Demand in Paris Bike Sharing Stations.

Peeyush Taori

Faculty, Indian School of Business, UpX, GA (London)

A PhD in Accounting from the London Business School, Taori has more than 10 years of experience in Big Data, Data Analytics, Machine Learning, Financial Research, Cloud Computing, Application Development and Fund Management. He has worked heavily in the areas of Data Science, big data, and Transactions Analysis. He has been part of a multitude of projects including designing a cloud platform for a major online gaming firm and a Big Data trade analysis platform for BSE. He is a visiting faculty for Certificate Course in Business Analytics at the Indian School of Business (ISB) and data analytics focused institutes in London. He also consults a number of companies on data discovery, data preparation, model planning and building, and operationalising the model.

Alumni Testimonials

“

Had a good time. The faculty was good, very patient and helpful towards every student.

Ankit Bandari - Batch 5
Working with Nabler, a Data Science Company

”

“

I had a good time at TimesPro driving into the world of Data Science. Thanks to your hands-on training, theory was made easier. The placement opportunities were very helpful.

Lohith Paturu - Batch 4
Working in Nabler, a Data Science Company

”

“

My experience at TimesPro was extremely good. The learning was very good. Got a new perspective on how it can be used effectively in my existing job role. The subject content and related books were very helpful in gaining the required knowledge. My faculty was particularly supportive throughout the course and we have created a special bond and liking for her. We hold her in very high esteem.

Jacquiline James - Batch 2
Working with HSBC

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“

This course helped me understand the way analytics can be used to solve business problems. The course details were very good and I was able to connect and understand the course in real time. The faculty was brilliant and able to connect analytics to the real world.

Erica James - Batch 2
Working with HSBC

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“

I opted for the TimesPro business analyst course after a careful comparison with other institutes. The course curriculum was really good and covered all the essential topics. Other institutes and/or portals cover very few topics even though they are titled as 'data science'. I had been searching for this kind of curriculum for the last couple of years and finally found it at TimesPro.

Raghavendra Rao Mamidpalli - Batch 7
Working with Cognizant

”



Times Professional Learning

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